

FULLY
responsive
webdesign.



Website Development

CORC2047 Project

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CORC Computer Networking &
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Aknowledgments

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Abstract

To progress after my college course I have decided to build a website to help me launch myself as a freelance website developer and as a portfolio that I can use to demonstrate my abilities to any potential employer.

The project takes me through the project helping come up with a suitable solution and design and then helps me to organise the implementation of the project and finished with a evaluation on the project to help me better understand how I could improve things for any future projects.

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Introduction

At the end of my foundation degree in June 2015 which is fast approaching I am starting to ask myself what it is I would like to do. My interest in website development started when I was 14 years old, where I saw another student sat in one of my schools computer labs using HTML to code a basic website. After that day I spent the rest of my time in school teaching myself to create basic websites using HTML after the first year I had created about 7 websites all based computer games I was interested in at the time after about a year I was given the opportunity to work with my school and manage my school intranet site where it would be down to me to upload student content to the intranet and maintain the student area of the website.

Form there my interest in this subject has become more and more of an obsession with ambition of designing and building a website that is as popular as Facebook or eBay. Now that I am coming to the end of foundation degree I have decided that I would like to continue down this path and become a website developer.

In order for me to achieve this I need a platform to which I can launch myself in to the industry there for I have decided to build myself a portfolio of work that I have completed in college and other websites that I have now built for paying clients.

As I would like to develop websites I feel the best way to show case my knowledge and skills would be for me to design and develop a new website that will allow me to generate an income via pay per click and a ecommerce section in which I intended to sell website templates for people to use to build their own websites.

1. Requirements

As a newly qualified website developer there is a need for a platform in which new customers can be found and also a place in which abilities can be demonstrated and shown to and future employers. This will be done in the way of a portfolio of complete works and also by the main website itself.

To go along with this website there must be a way where it will be possible to quickly delete, manage and create new accounts for any new or existing customers. There must also be a way to update, add and delete items form the online shop is also required as products may change over time.

In order to make this website accessible to anyone and everyone then it must include a user interface that will work for all internet connected devices, and must not discriminate against disability or educationally restrictions, and must also conform to UK privacy laws regarding the use of cookies.

1.1 Deliverables, Exclusions, Constraints and Assumptions

At the end of this project there will be a;

- Completed website that fulfils the brief
- An application with the ability to add, delete or edit members accounts and stock items

Due to time restraints for the project there will be other requirements in which will not be achieved with in this project and will have to be left for future development. These are;

- Creation of a network domain to host the website
- Working FTP connections in order to connect and transfer files to hosting service
- Creation of template to be used as stock with in the shopping cart.
- The purchase of a suitable web address to which will point to the website.

As these restraints will impact on the functionality of the website and the back application there for the following assumption can be made;

- The website and application will be hosted on the same computer (This is to allow for direct file locations to be used to test functionality with in the application)
- The networks to host has already been created and maintained by a third party organisation.

1.2 Phases & Timeframe

1.2.1 Phases

Each phase will be broken down in to smaller tasks in order to give an appropriate amount of time to each area. I will use Microsoft Project to help me come up with an appropriate way to monitor progress during each phase of this project it will also help identify how long I should spend on each task in order to complete this project on time.

Please see Appendix B for more details on the project Phases (pp 27)

1.2.2 Timeframe

The total time given to complete this project will be over 20 weeks starting 10th November 2014 and ending 15 March 2015.

Phases	Description
Information Gathering	will done over 3 weeks to give enough time for any research and information gathering that may be required
Planning	This will be another 3 week process in order to carry out adequate analysis of the data gained during the initial information gathering phase and to identify the key areas off the website and develop an appropriate site map.
Design	Using all the information gathered during the previous two phases it will take 3 weeks to produce an appropriate design.
Development	During this phases I will construct the website and application using the design that was selected during the design process. This will be the longest phases and will be carried out over 10 weeks
Testing and Delivery	This time will be spent making sure that the brief has been meet and that the website is working as required and will take 1 week to complete.

Please see Appendix A for Gantt chart and time frame (pp 25 - 26)

1.4 Evaluation Criteria

In order to ascertain whether project is a success there are a number of goals and objectives to which it must meet.

Definition	Sample Question
<i>Design</i>	
The design of the project this is to see if all the objects with design has been met:	<ul style="list-style-type: none">- Is the website compatible with a wide range of browsers?- Will the website scale to fit any screen size?- Was appropriate colour schemes adopted to make it easy for everyone to read the text?- How easy is it to navigate around the website?
<i>Objectives</i>	
This part of the evaluation is to determine if the objectives to the project has been met:	<ul style="list-style-type: none">- Dose the website meet the brief of the project?

- How well does the information on the website describe the services offered?

Use

Is the website and application easy to use:

- Would the end use need any specific skill in order to use either the website or application?
- Is the members area secure?

Policies and Law

Does the website conform to UK and European policies and laws for commercial websites?

- Does the website advertise the use of cookies?
- Is the website accessible by all regardless of any disability?
- Does the website protect all personal data used on the website?

2. Structure of the Project

2.1 Feasibility Study

Although the requirements were not collected from a client it is still important to determine if the technical aspects of the website would be achievable. The best way to ensure this is possible would be to conduct a feasibility study, this study will break the project into different areas to be looked at during the study this will work out whether the brief of the project is possible and achievable.

The framework that will be used to conduct this feasibility study is called TELOS. This will make sure that the project is within my abilities and would not result in the project failing early on.

It turned out that the only way I would be able to complete the project in the given time frame would be to solely concentrate on the construction of the website and back end application and that whilst at the eventual end of the project will see the project hosted on a local webserver it would be better to leave this as a future development to the project.

Please see Appendix C for the full feasibility study. (pp 28 – 29)

2.2 Content

As a way of trying to ascertain what I would need to include on the website as well as a shopping cart and members area I felt if I took the time to look at some other websites in the same field would tell me what would be needed to make the website successful.

- www.cooshtee.com
- www.robbydesigns.com
- www.davehallett.net

The website listed above were used to pointing out the key features needed to be included in the development for the website for this project. During the investigation most websites included information about the website developer, the services which were being offered, a portfolio of completed projects (this may also include a list of companies that they have done work for) and a way for the user to contact the website developer as well as the home (index) page.

In addition to those features it has also been decided that the website should include an online shop and secure members area, the addition of these feature is to make the website different from all its competitors' website whilst giving the user a sense of familiarity and hopefully stand out in an already packed market.

2.3 CMS (Content Management System)

A CMS is the use of a computer application that will allow users to add, remove and update any and all information held on websites. These system are typically used on website containing news, blogs and/or shopping. This allows content with in websites to be altered easily with the need to hand code each change.

As the project is for a website developer the thought of hard coding changes for the website may not seem a difficult task it can often be time consuming so in this instance the use of a CMS would cut down the time needed to be spent on the developer own website and allow them to devote more time elsewhere.

Although the use of a pre-built application would of cut down on the time that will be needed to develop a customised application it would more than likely have a lot of redundant features that would not be needed so it the project has included the development of application that will allow the owner of the website to manage content with in the shop and to create, edit and delete new user accounts when required.

3. Design Process

3.1 Website Design Requirements

The design of the website will conform to the most modern practices used when developing website and will use external Style Sheets. These will be used to create a basic look and feel for the website. The use of CSS coding in these style sheets will cut down the amount of code needed to do a specific common feature on the website like the navigation bar, header/footer section of the pages.

The website will make use of a fluidic design to allow the website to be compatible to all devices used to connect to the internet as well as all screen resolutions and browser versions.

The navigation will be easy to use and allow the customer access the whole website from single location the use of a nested navigation be will be avoided.

In order to complete this project intend on using a range of different skills the use of HTML, CSS, PHP and SQL will be required in order to complete this project but I may have to carry of some research in to other languages like python and ruby as these may also be need to create the server side applications to this website.

The most important part of this website is to develop and interface that will be compatible with all devices and monitor resolutions in order to accomplish this will carry out some research in to modern fluidic design methods and decide on a method that will best suit the requirements for the website.

Please see Appendix E for storyboard (pp 30 – 62)

3.2 Site Map

The development of an appropriate site map will be needed to identify all the areas off the website I will need to develop in order to complete this project some of the pages are;

- *Home (index page)*

This will be the first page in which any user will see when they first log on to the website it will contain key information as to the purpose of the website, what services are offered and advisement of product from the website shop.

- *Shop*

This will be where the user can purchase website templates from the site. This section will be linked to a MySQL database which will hold all of the information regarding each product and by using cookies will allow each item to be added to a shopping cart.

Once the user has finished browsing the products that are for sale the user can then use the link on this page to either view what is in there online shopping cart or proceed to a check out so that their purchases can be finalized.

- *Portfolio*

In this section it will be possible to show case any previously completed works. Each website that will be shown in this section will be linked to their respective domains.

This section will also show any projects that maybe being worked on although it may not be possible to link to any live demonstration it will be possible to have a clear description of each projects brief and objectives once completed.

- *Contact*

This will be away for potential employers and customers to contact the website developer it will contain an email form from which messages can be emailed directly to the recipient, it will also contain a contact telephone number people could ring. On mobile device if the user click on the telephone then it should allow the users mobile phone to call the number directly.

- *Members Area*

This is for clients that would need to be able to monitor progress with any project being under taken. Once any project is agree and commences the user will be provide with and username and password that they can use to logon to their respective areas.

Once logged on they will be able view any work already carried out on the website, they will be able to upload photos and any content they wish to be included on their website to their personal folder within the system and also view and any personal information we hold on them.

3.3 Topology

As the website will contain 9 pages it is important to work out the how a customer to navigate around, if the topology becomes too complicated then it may result in customers leaving the website.

To address this issue I feel the best way is to use a topology that will use as little nesting as possible, by this it meant that the best outcome would be to avoid having pages that aren't accessible from any other page.

I do realise though that this is not going to possible in this project due to the secured members area which will be restricted to authorised users only and also contain a navigation to progress through any restricted page.

As this website allows the use to be able to access all the pages available without an account quickly by clicking on any of the button in the navigation bar at the top of the page which will always displayed regardless of webpages scrolled position.

Please see Appendix D for a visual representation of the topology. (pp 29)

3.4 Design Evaluation

During the design of both the application and the website I have referred to Shneiderman's 8 golden rules of interface design which promotes consistency between all pages and by keeping things simple the load on short term memory is reduced.

To be able to keep the look of the website consistent throughout I will use a single CSS style sheet which will govern the main design to the website as a whole, each page will have different components to reflect its individual purpose. Where each section of the website will have a landing page the content for each of these section will be inserted from a separately designed page allowing each page to look uniformed but also take on its own personality.

Please refer to Appendix F (pp 63 – 64) and Appendix G (pp 64 – 65) design evaluation for the Shopping Cart, Members Area, and Content with the member's area and Design Detail on the Application.

4 Implementation

4.1 Choosing the Right Software

With lots of different software packages on the market today that will help with the creation of websites it is crucial to insure that one is selected from the start of the project as I will not be able to change it once construction has begun.

In order to select the most appropriate software for this project I had to take into account the versatility of what programming languages each bit of software would allow me to use, how long it would take to learn to use the software and how much it would cost.

Notepad ++ is an environment which will allow me to use a wide variety of programming languages like HTML, PHP, JavaScript, MySQL, Visual Basic which was what will make up the core skills needed to build the website and backend application. Although this software will not offer away to compile and run the project during its construction it will allow me to use other software like Google Chrome to test the website.

I will use Notepad ++ for the construction of the website only this is because I have become familiar with VB .Net and feel this is a language that will be better suited for the construction of the application that will support the website.

I have selected to use the 2013 version of Microsoft's Visual Studio's the reasons I have chosen to use this software is because I have become very familiar with it and feel that I will be able to spend my time with creating the application for the website rather than trying to learn how the software works first, secondly I have chosen this software because of the features it offers me; this allows me to use the help library and predicted code functions to ensure for accurate spelling when writing the code.

The last function that this software offers me that will help with its construction is the ability to compile and run the software during the its construction, as the software will debug the software as it is coded it will highlight errors before it will allow it to be run help to minimise debugging time and ensuring each function within the application works before moving on to the next part.

During the construction of the website and the application it is important to continually test its functionality to do this I will use the functions available to me whilst I will be able to use the function built in to Visual Studio's to test the application the software I have chosen to build the website in dose not allow for a function to preview the website as it is being constructed so this will have to be done by loading it in a web browser to see if it is working as intended.

Whilst I could use any internet browser to test the website I feel that the one that is best suited to help with the construction of any website is Google Chrome this is because the software comes tools that are designed to help website developers during the construction phases of their website, I have also successfully used these tools during the construction of other website in the past and therefore feel comfortable in using it.

Using the "Inspect Elements" tool with in Google Chrome I can pin point faults quickly and accurately this is because it allows you to simply click on the specific part of the website that is causing design problems like breakouts and alter the live code to see what element is not

working correctly. Although this will not save the code to the source files it will then give you a clear point in which needs to be changed when you go back to the code in you website editing software e.g. Notepad, Notepad ++ and Adobe's Dreamweaver.

One other implementation I have had to make so that I can test the website correctly is to install a PHP environment to allow the code to run. This is because PHP was never intended for Microsoft Windows based systems and is not supported in order to enable a computer with a Microsoft Windows operating system to compile PHP code you need to install a third party application like EasyPHP and Xampp.

There are many more on the market but they all do relatively the same thing; they are all WAMP packages that allow the use of serve side scripting languages like PHP. They also include the Apache web server and a SQL server MySQL as well as many other development tools.

4.4 Building the Website

Once I had all the tools needed to create the website in place I began to create the two most important aspects of the website. Using both HTML and CSS I was able to create the index page to the website and the design layout which would be used on all other pages that would be created as part of the website.

As the index page would form the blueprint from which all other pages would use before being tailored to their specific needs I created a single CSS style sheet that would be included in each page to insure they all looked the same.

In an effort to reduce the need to repeat code on other pages e.g. for the navigation bar, headers and footers I came across a YouTube video that described using the PHP include function. This would allow me to create certain parts of the website in their individual pages and then just use the PHP include function to display them on all the pages.

This method of adding functions to the website also cut down the time it would take to change items across all pages of the website to keep uniformed design as I only had to change it once an it would automatically be changed on every page.

I also used this method of including other pages into each section of the website to create the main body of each page which allowed me to create and use individual CSS style sheets for each page which in turn speeds up loading time.

In regards to the design of the website I have tried keep to the design that was produced early in this project but felt that by applying certain effects to some elements of the website help make it stand out better and looked more professional. For example for the navigation footer and container for the website I added a shadow effect to it as I felt this gave added depth to the background and help to stand out from the rest of the page, on the boxes that contain images or advertisements I have rounded the corners for no other reason than I felt it looked better and better suited the style of the page.

Once the layout was complete I was able to quickly create the Shop, Portfolio, Contact, Logon and Shopping Cart pages as I was able to just copy the index page and using the PHP include function to include its content.

The content for the portfolio page was relatively easy to produce as it was not very technical as it was made from a number of div elements with images which link to their respective external links once clicked on.

The contact page was a little more challenging as this page contains a form in which customers can send me a message via email. During the construction of this page I wanted the form to be able to link directly to an SMTP server to send the email as this would negate the need for customers to have email software like Microsoft Outlook installed and configured to their email accounts.

Unfortunately due the way that I was constructing this website I was unable to link it to a SMTP server to get this function to work and spent a lot of time research possible ways to get it to work and what is the best method of doing this. What I found was that email providers like Hotmail and Gmail required that any email that is sent to them contains an email address of the domain it is sent from and simply adding an email address to the form would cause the email to be rejected by the providers.

Although I didn't find this information out by any form of academic writing I was able to find out this information by other developers that have experienced the same problem. (D, 2015). To overcome this problem and as this function was starting to cause delays in the project the discussion was taken to use a simple method and use the method POST to send it via the customers configured desktop email software.

To view all the code to create website please see Appendix H (pp 65 – 546)

4.5 Building the Application

This part off the project could only begin once the website had been completed as it was design to support both the shopping cart and the members area I felt it would be easy to insure the website side of these function was working correctly first.

Once the website has been deployed on the webserver and is live on the internet I wanted a way to be able to update the shopping cart and register a new customer on to the system but it was important not to have to spend large amounts of time hard coding these additions in to the website where my time would be better spent working on projects customers where paying for.

So that these goals could be obtained I split the application up into two sections one section would handle all the data stored in the products database on the SQL server and the other section would manage the members to the website allowing me to a new members/items and edit or delete existing members/items in their respective databases.

To view all the code to create the application please see Appendix I (pp 546 – 587)

4.6 Testing

4.6.1 Testing the Website

The main areas in which the website has been tested would be to ensure that it was compatible with all commonly used browser and that it would scale down to fit on mobile devices.

Although the majority of this test would be completed as the development of the project took place I was able to use in a tool built in to Google Chrome's Inspect Elements which allowed me to use emulated devices like an iPhone 4S, Samsung Galaxy S4 to see what the website would look like on them.

I also took advantage of websites like Browser Stack which would allow to type in a web URL and it would test across a multitude of devices and generate screen shots for me to see how they would look on the select different browsers. This method was only available to me though after I had uploaded the website to a free hosting service so that it could be accessed via the internet.

When testing both the shopping cart and members area although I could test to see if there were any coding errors I could not check the functionality correctly before I had created the backend application so left the testing until I needed to test the application.

Please see Appendix J for screenshots of the testing in all major browsers. (pp 587 – 591)

4.6.2 Testing the Application

In order to test the back end application I have hard coded a username of “username” and a password of “password” into the code of the website form this I will navigate through the application and try to add a product to the Stock Manager and see if it will then be displayed on the website. If this is shown on the website I will then try to edit it and then delete it to check those functions.

As for the Account Manager I have used this function to set up an Account to test the functionality of the members area on the website I have used the email address of “nigel.hopkins@hotmail.co.uk” as the username and a password of “Hello02” I can then use the form on this section to enter a new user on to the system I can check to see if this has worked as I should then receive an email to tell me my pin number and a link to the registration page of the website.

Please see Appendix K for Test Data (pp 592 - 608)

5 Evaluation

5.1 Heuristic Evaluation

In order to evaluate the website and application I will use the 8 golden rules of interface design to carry out an effective heuristic evaluation.

For a full heuristic evaluation please see Appendix L (pp 612 - 614)

5.2 What I have learnt.

During this project I feel like I have learnt a lot about what goes into making a secure enterprise level website. When I first started this project I felt it would be easy to produce a professional looking website that would adapt to work on any browser but then discovered the best way to do this was by the use of media queries.

Using media queries allowed me to dictate at what point the design for the website would change but also would also need to me to create different css scripts for each element at their respective width changes.

I also found creating the members area very rewarding and not something I had, had a lot of experience in the past there are a lot of things to take into account when adding this feature to a website like how secure it is and how it would mitigate attacks if the need arose and also how hard it was to utilise the same encryption algorithms across different programming languages and have them working together.

5.3 What I would do better.

I think if I had to do this project all over again then I would properly make it a lot simpler. At the start of the project I was unsure whether the scope of this project would be enough to achieve a good mark in this project.

However in particular at the end of this project I have realised that even if I had left either the website or the backend application to a future development it would have still been enough to achieve a good mark on this project.

However that said as this project was set out to give me a platform in which I could launch a career in website development I feel that is exactly what this website now offers me and although there is still a lot of work to do in order for this to be successful I feel it is achievable and a great example of level of work I am able to produce.

5.4 Future Development.

I have already touch up on this during the course of the report where I have highlighted that I would like to host this website on its own server on a network which I can insure all the relevant security requirements are met and adhered to.

I would also need to complete work on the shopping cart by sign up to a business account on PayPal and integrating their API details into the script of the payment processing functions.

I would also like to develop a method for the application and the website to use FTP protocols when transferring files to the customers respective area on the server this would allow me to consider hiring server space form a third party company.

5.4.1 Promotion

Marketing Approach

In order to get the best possible exposure for the website I will need to carry out an appropriate level of research to find the best ways of getting visitors to the website. This will also include research in to keyword searches that will appropriate for the website, banner and social media advertising and also the possible use of geotagging to allow for search result based on customers physical location.

Mobile Apps

To help with the promotion off the website the development of a mobile app may allow both the user quick access to information and services available on the website from their mobile device. In the need for me to be available to my clients 24/7 the development an application that will allow me to keep in contact with my clients whenever and where ever I am is very

important. Although this is not something that is of priority at the moment it is something that may be worth looking into for future development.

Search Engines

The vast majority of the traffic to this website will be done via keyword searches and I feel it is important to try to submit website to these services. Search engines like Google will use meta tags within the code of my website to identify keywords for finding the website as well as other information that will help to promote the website on the search engine.

It will be important to get this right as it will be difficult to put right after I will research what information is used to achieve the best results for user searches. I will also look into the possibility of services that will guarantee me top places in search results.

Social Media

The growth of social media has seen many businesses use these tools in order to give space for its customers to give reviews on their experiences whilst using the site and also allow customers to recommend the services of this website to their friends or family.

It is also a good way to keep in contact with customers and allows the quick advertisement of new services or promotions in order to encourage repeat and new business.

e-Mail

As the website will give clients areas in which they can monitor the progress of their website I will be collecting personal information from the customer in order to keep in contact. It may be a good idea to use this information in order to email targeted offers to customers so that I can encourage repeat business.

References

D, B., 2015. *Stack Over Flow*. [Online]

Available at: <http://stackoverflow.com/questions/13895311/php-mail-not-being-received>

[Accessed 11 02 2015].

Sanwebe.com, 2015. *Sanwebe.com*. [Online]

Available at: <http://www.sanwebe.com/downloads/56-paypal-shopping-cart-example>

[Accessed 03 02 2015].

Wiki How to do anything, 2014. *Wiki How to do anything*. [Online]

Available at: <http://www.wikihow.com/Create-a-Secure-Login-Script-in-PHP-and-MySQL>

[Accessed 10 02 2015].

Bibliography

Cooshtee Digital Creation Ltd., 2015. *Cooshtee Digital Creation*. [Online]

Available at: <http://www.cooshtee.com/>

[Accessed 25 1 2015].

Dave Hallett, 2015. *Dave Hallett Web Design*. [Online]

Available at: <http://davehallett.net/>

[Accessed 02 02 2015].

D, B., 2015. *Stack Over Flow*. [Online]

Available at: <http://stackoverflow.com/questions/13895311/php-mail-not-being-received>

[Accessed 11 02 2015].

Robby Designs, 2015. *Robby Designs*. [Online]

Available at: <http://www.robbydesigns.com/>

[Accessed 24 1 2015].

Sanwebe.com, 2015. *Sanwebe.com*. [Online]

Available at: <http://www.sanwebe.com/downloads/56-paypal-shopping-cart-example>

[Accessed 03 02 2015].

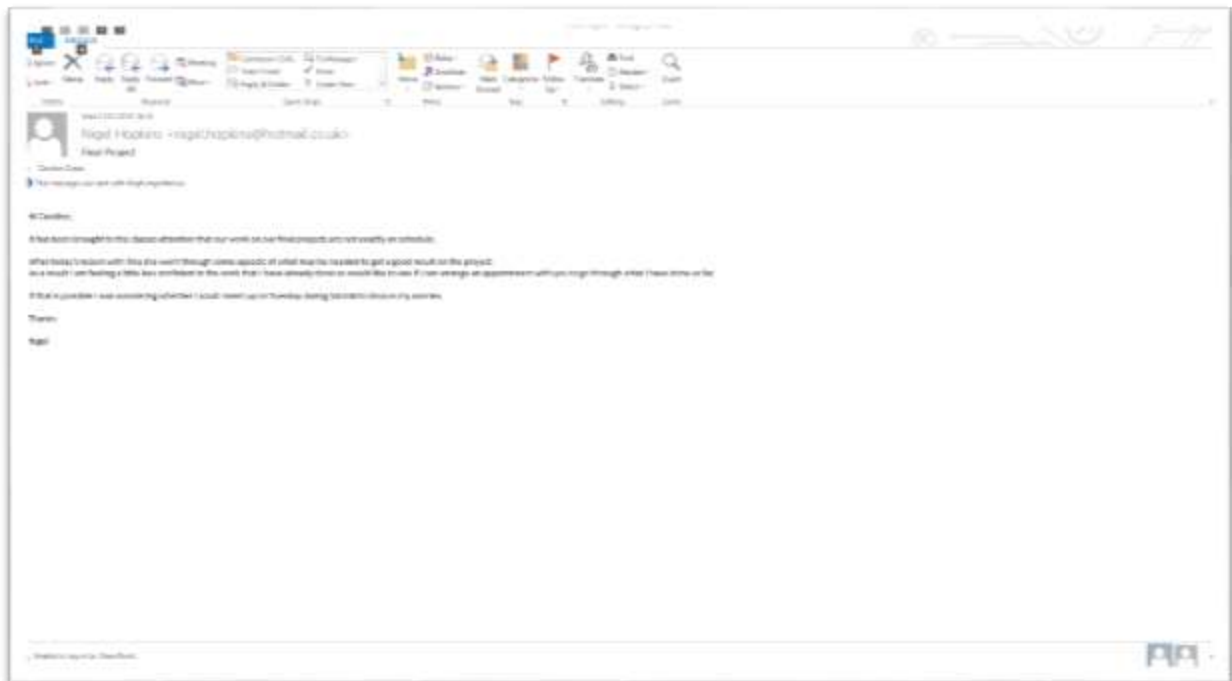
Wiki How to do anything, 2014. *Wiki How to do anything*. [Online]

Available at: <http://www.wikihow.com/Create-a-Secure-Login-Script-in-PHP-and-MySQL>

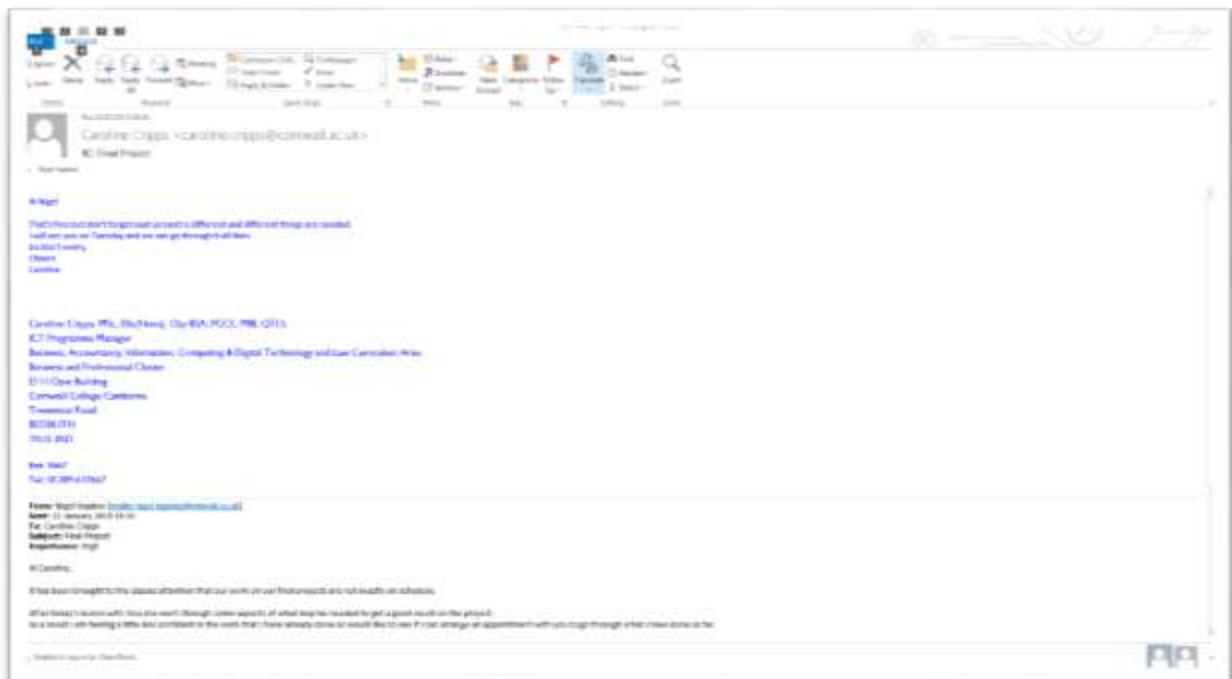
[Accessed 10 02 2015].

Logbook

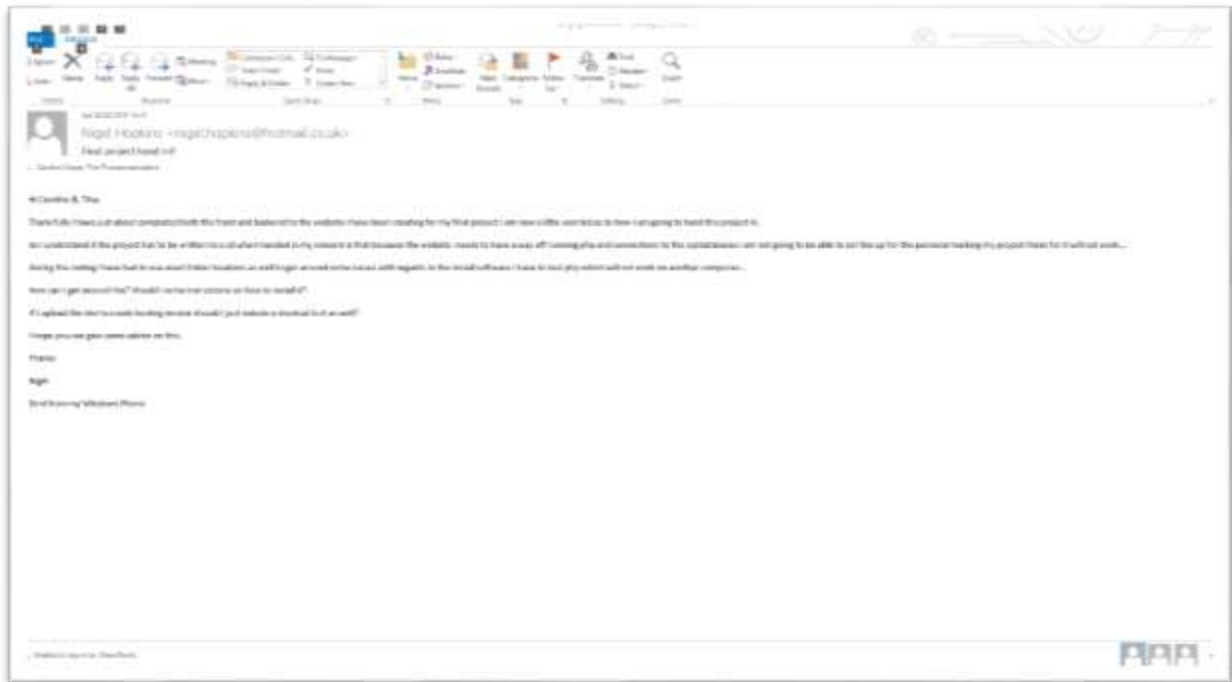
Email sent to Carolin Cripps 21/01/2015



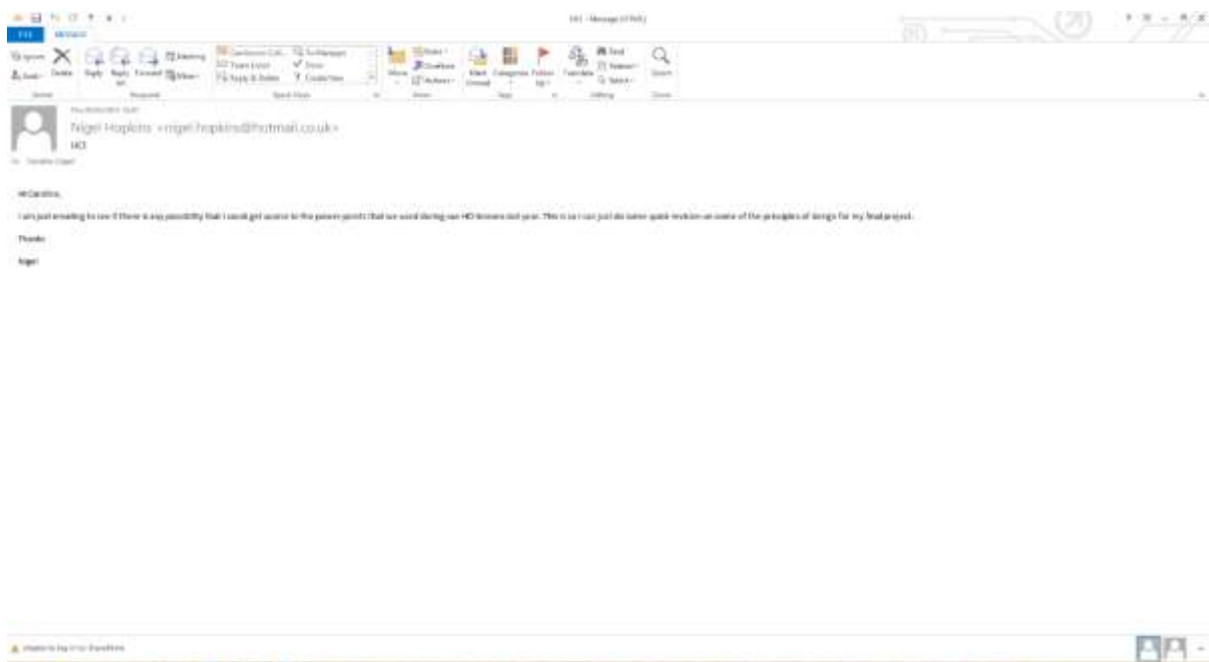
Email received from Croline Cripps 22/01/2015



Email sent to Carolin Cripps and Tina Hopkins 28/02/2015 (Please note this email was also sent to Tina Hopkins in error)

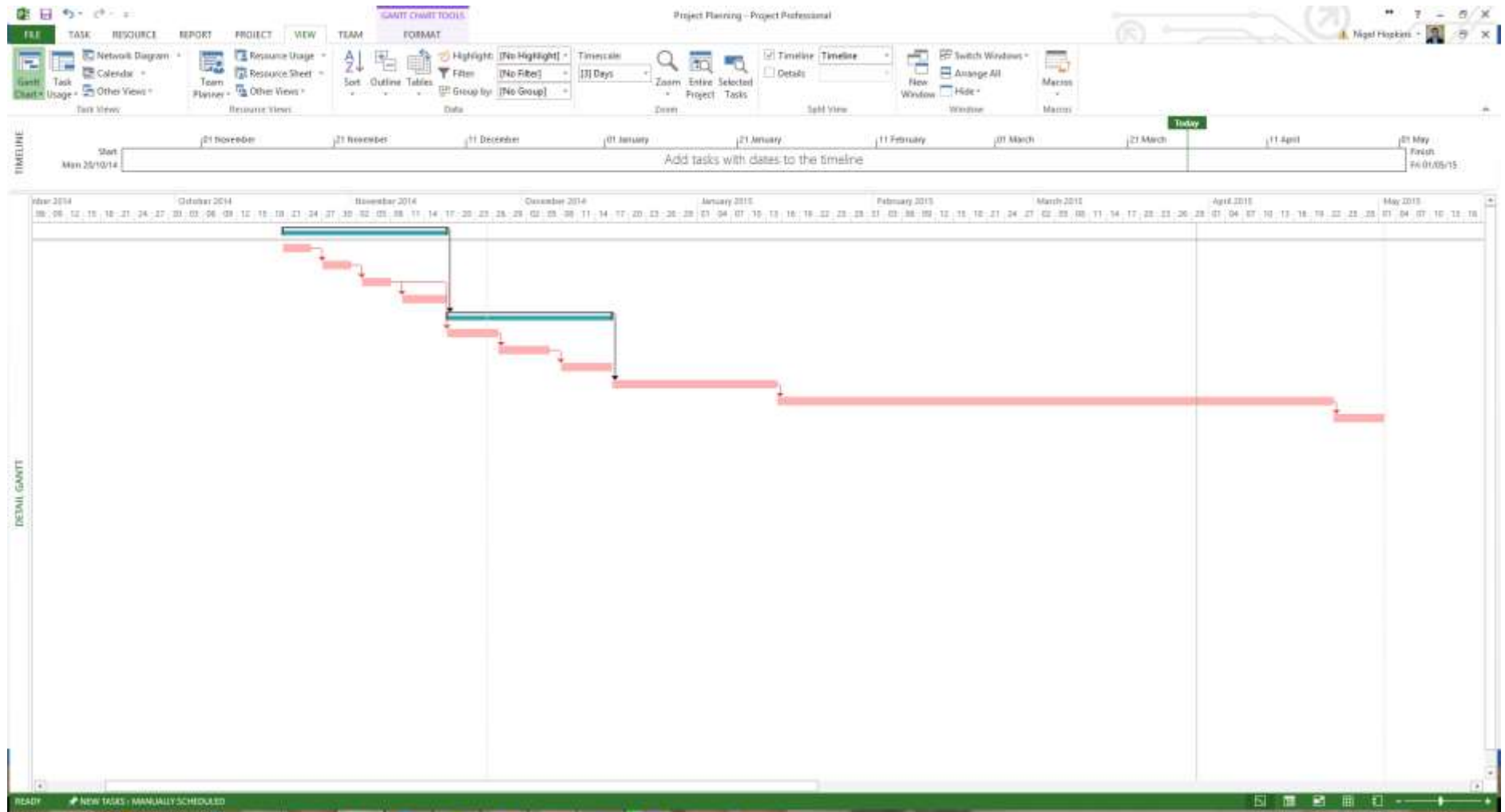


Email sent to Caroline Cripps 05/03/2015



Appendix A. Gantt Chart

Gantt Chart



Task Sheet

Task Mode	Task Name	Duration	Start	Finish	Predecessors
Manually Scheduled	Information Gatering	21 days	Mon 20/10/14	Mon 17/11/14	
Auto Scheduled	Purpose - What is the purpose of the site?	5 days	Mon 20/10/14	Fri 24/10/14	
Auto Scheduled	Goals - What do you hope to accomplish by building this website?	5 days	Mon 27/10/14	Fri 31/10/14	2
Auto Scheduled	Target Audience - Is there a spacific group of people that help reach my goals	5 days	Mon 03/11/14	Fri 07/11/14	3
Auto Scheduled	Content - What kind of information will the target audience be looking for on my website?	6 days	Mon 10/11/14	Mon 17/11/14	4
Manually Scheduled	Planning - Using information gathered from phase one	21 days	Mon 17/11/14	Tue 16/12/14	1
Auto Scheduled	Develop site map - To product site map for the website.	7 days	Tue 18/11/14	Wed 26/11/14	4
Auto Scheduled	Key Topic Areas - To identify key areas of content for the website.	7 days	Thu 27/11/14	Fri 05/12/14	7
Auto Scheduled	Sub Topics - To try and identify any possible addition content areas regarding to main content areas	7 days	Mon 08/12/14	Tue 16/12/14	8
Auto Scheduled	Design	21 days	Wed 17/12/14	Wed 14/01/15	6
Auto Scheduled	Development	70 days	Thu 15/01/15	Wed 22/04/15	10
Auto Scheduled	Testing and Delivery	7 days	Thu 23/04/15	Fri 01/05/15	11

Appendix B. Phases

The processes I will cover in order to complete this website will be split into 5 different phases;

1. Information Gathering
 - a. Purpose – What is the purpose of the website?
 - b. Goals – What do you hope to accomplish by building this website?
 - c. Target Audience – Is there a specific group of people that will help reach the goals of this project. I will consider the age, sex and interests off my target audience to see if there is any specific stereo type for people needing this kind of service.
 - d. Content – What kind of information I will need to display on the website in order to get the desired effect.
2. Planning
3. Design
4. Development
5. Testing and Delivery

Appendix C. Feasibility Study

Technical Feasibility

As one of the points of the website is to show case my skill, education and knowledge with designing and building websites then from a technical stand point there should not be anything on the website that will be beyond my capabilities.

In order to complete the brief of the website then I will have to include a member's area and shopping cart which may prove to be challenging. This is because the website will have to protect itself against possible SQL injection and brute force attacks on these areas.

Economic Feasibility

As I will be creating both the website and the backend application there will be no cost to the build part of the project.

For testing the website I will use both a free hosting service which will enable me to test the website across many different devices and I will also use a third part bit of software called EasyPHP to allow me to test the website and application as if I was hosting the website on a local web server. EasyPHP is a freeware application and as a result will not affect the overall cost of the development of this project.

Legal Feasibility

Two main functions that could lead to the website breaking law are member's area and shopping cart this is because there is potential for a breach of the data protection act. As the member's area will contain personal information of customers I will need to ensure that the member's area is protected by an encrypted password. This will help to mitigate any risk to breaches of the data protection act via the website.

The risks to the loss data from possible hackers to the network will be investigated once the project moves on to building a suitable network capable of hosting the website and SQL databases securely however this part of the project is to be a future development and will not be investigated in this project.

Other considerations for this projects will be regarding policies relating wo the web accessibility, using the W3C website I will find out what will be required to adhere to guide lines set out on the website.

A full breakdown of the policy can be found at www.w3.org/WAI/Policy/.

The website will also use cookies to store data for the shopping cart and as a result I will need to create a message to let users that cookies will be used on the website. However according to only implied consent is needed.

A full guide to the use of cookies on a website can be found at <https://ico.org.uk/for-organisations/guide-to-pecr/cookies/>.

Operational Feasibility

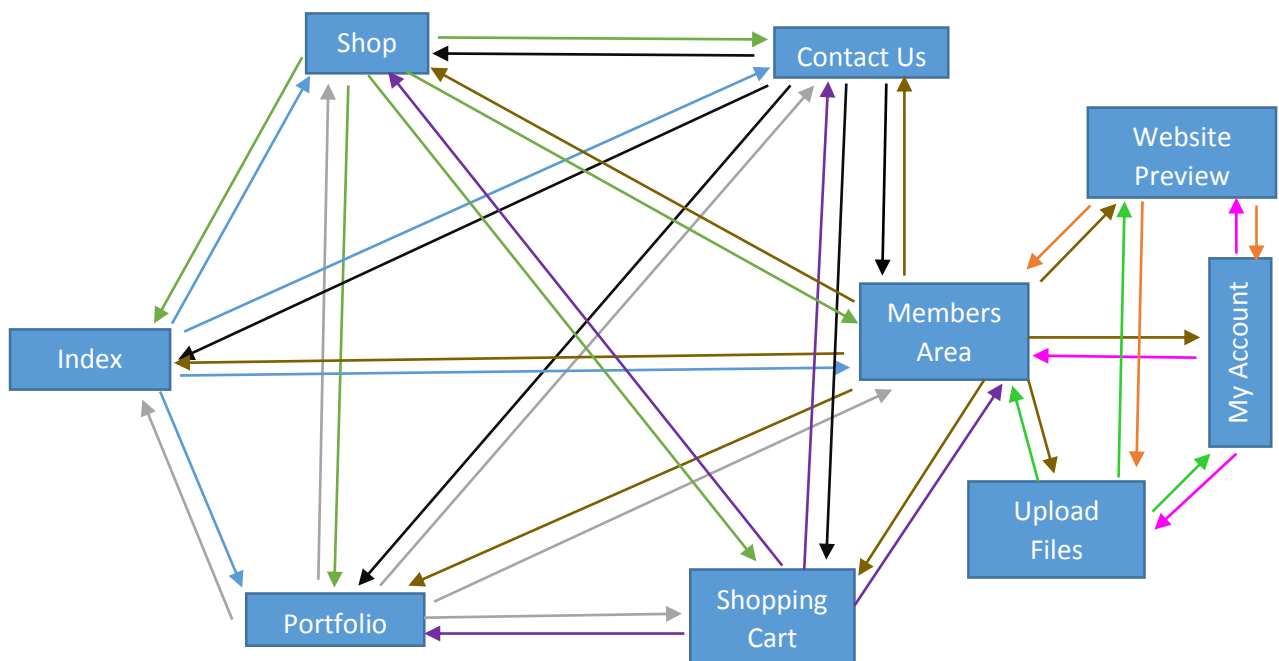
The goal for this project will be to develop both the website and backend application that will support both a shopping cart and member's area for the website. During this time the project will assume that the website will eventually be hosted locally. This will enable me to provide adequate security to all aspects of the website including all the SQL databases, and any personal information held about its customers.

As this is not my area of expertise I feel it would prudent for me to seek advice and possibly employee the service off someone that can advise me better and there for will not be considered in the scope of this project but as a future development once the website and CMS application is complete.

Schedule Feasibility

As there is no actual client to the project the only deadline will be is the final deadline when the project has to be handed in at college. This means that there will be no pressure to complete quickly and can be broken down to a lot smaller manager bit which is why the project will focus on the development of the website and backend application.

Appendix D. Topology of the Website



Appendix E. Low Fidelity Prototyping: Storyboard

Index page

Fig 3.2.1 Index page as viewed on a screen with a width bigger than 1080px

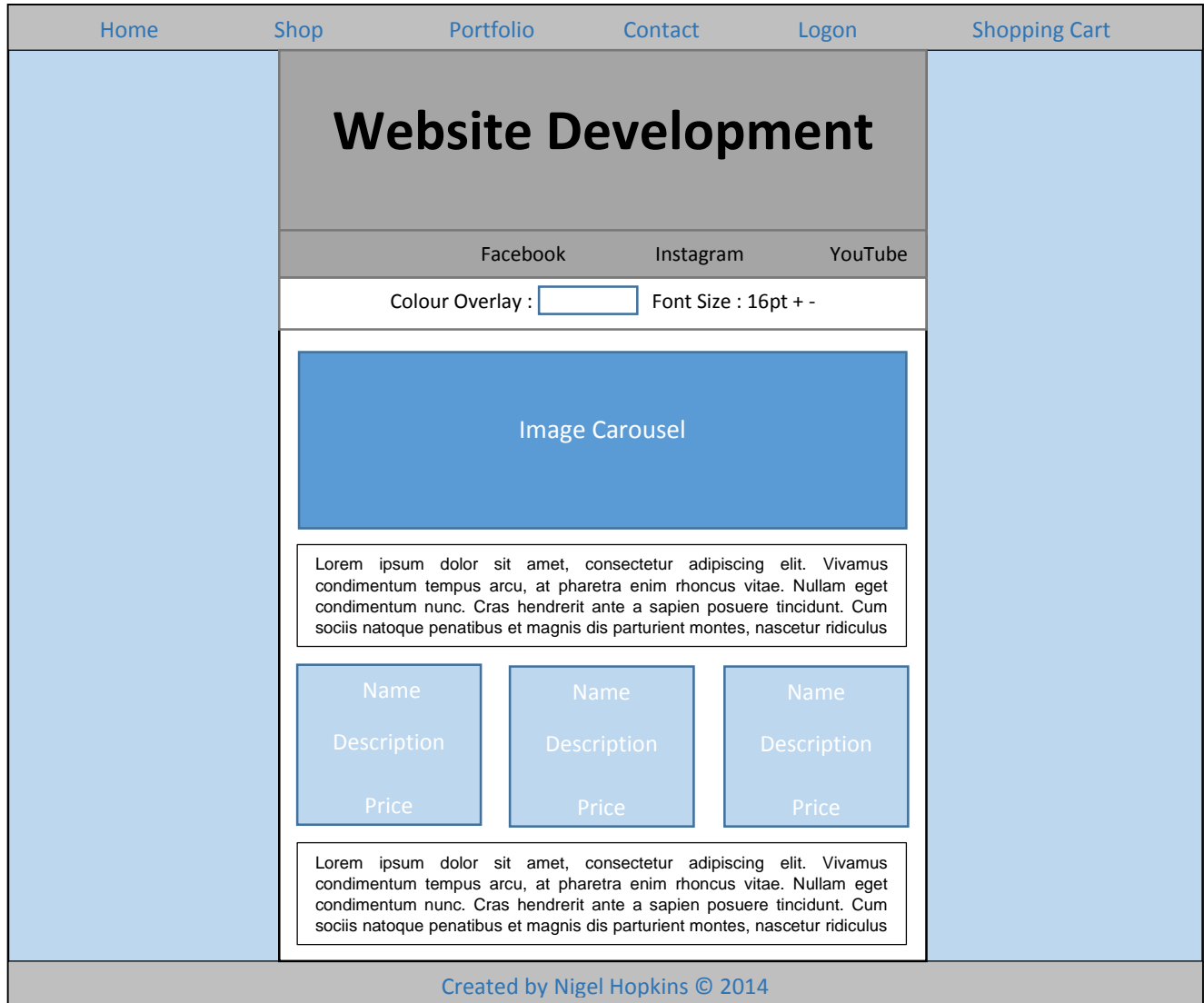


Fig 3.2.2 Index page as viewed on a screen with max width less than 1028px;

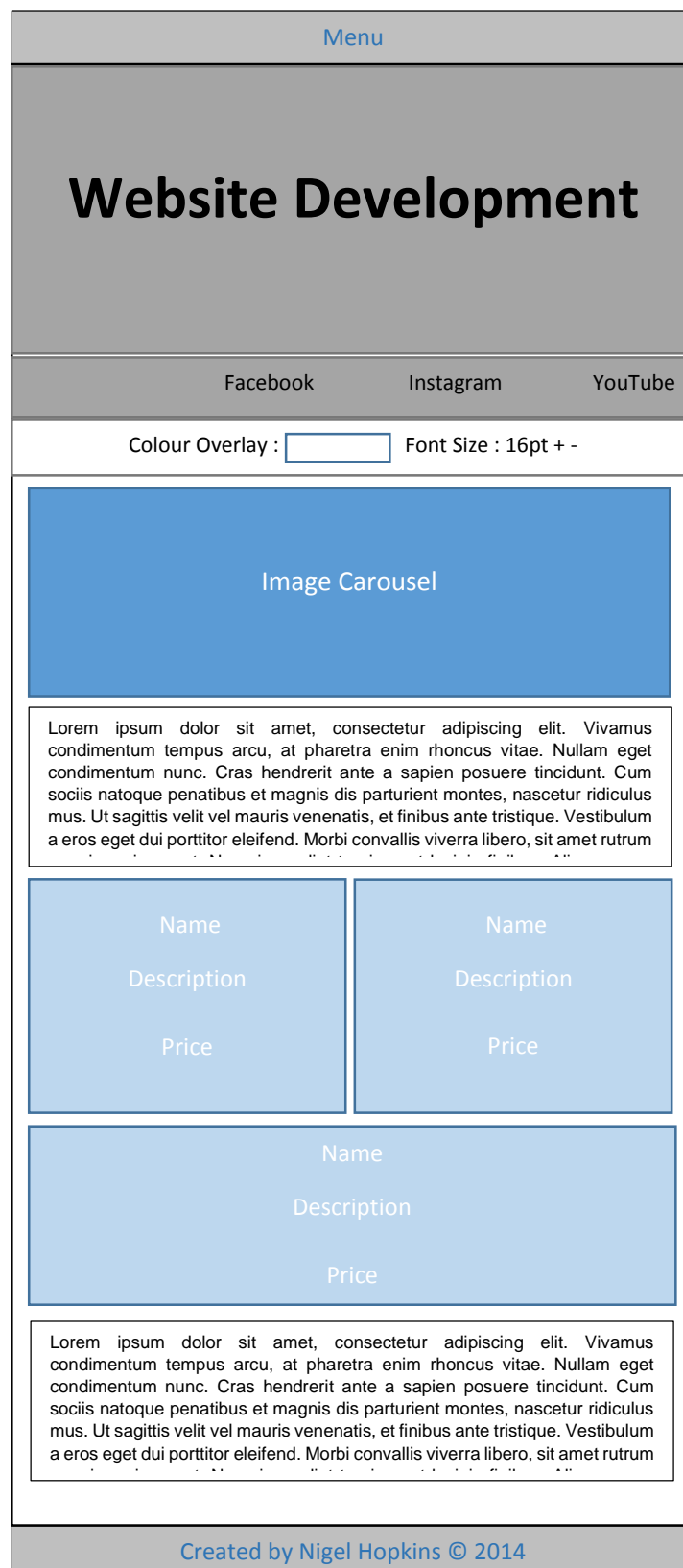
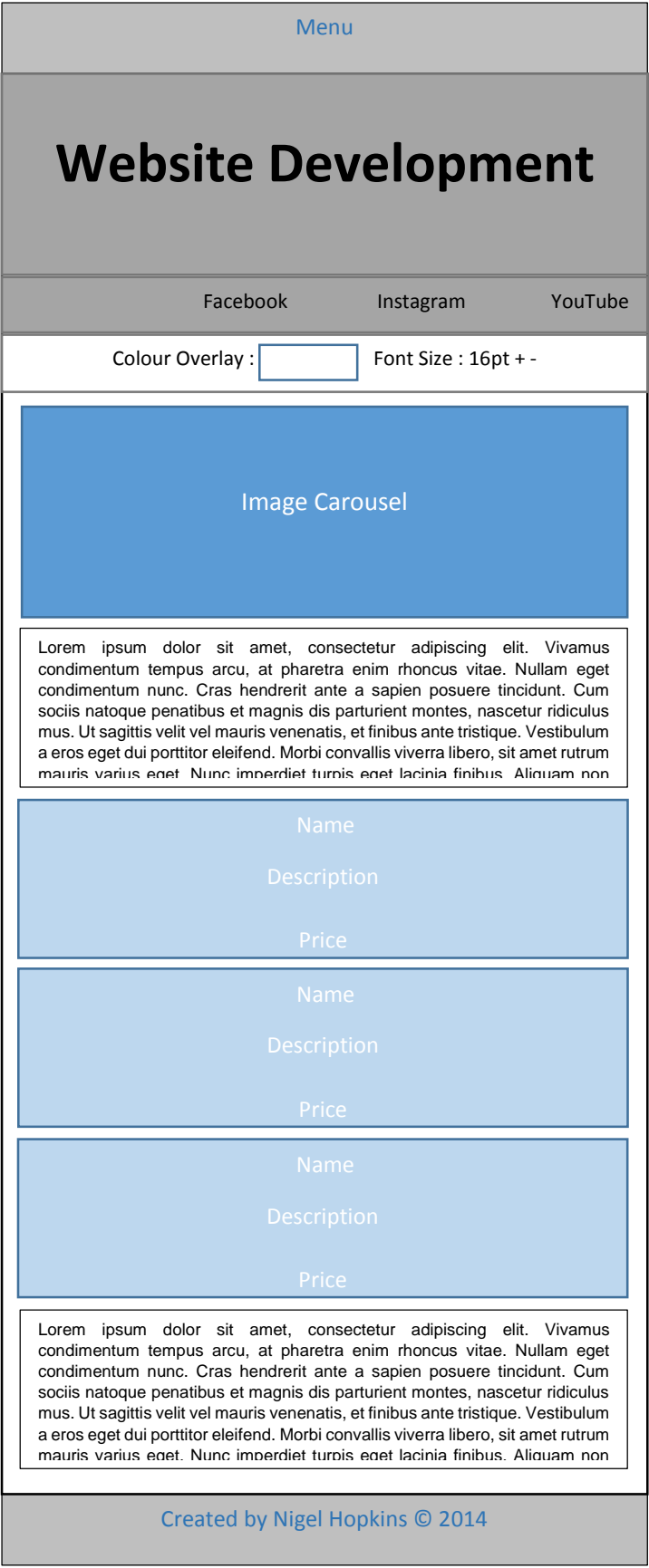


Fig 3.2.3 Index page as viewed on a screen with max width less than 680px



Shop page

Fig 3.2.4 Shop page as show on a screen with a width greater than 1028px



Fig 3.2.5 Shop page as shown on a screen with a width less than 1028px

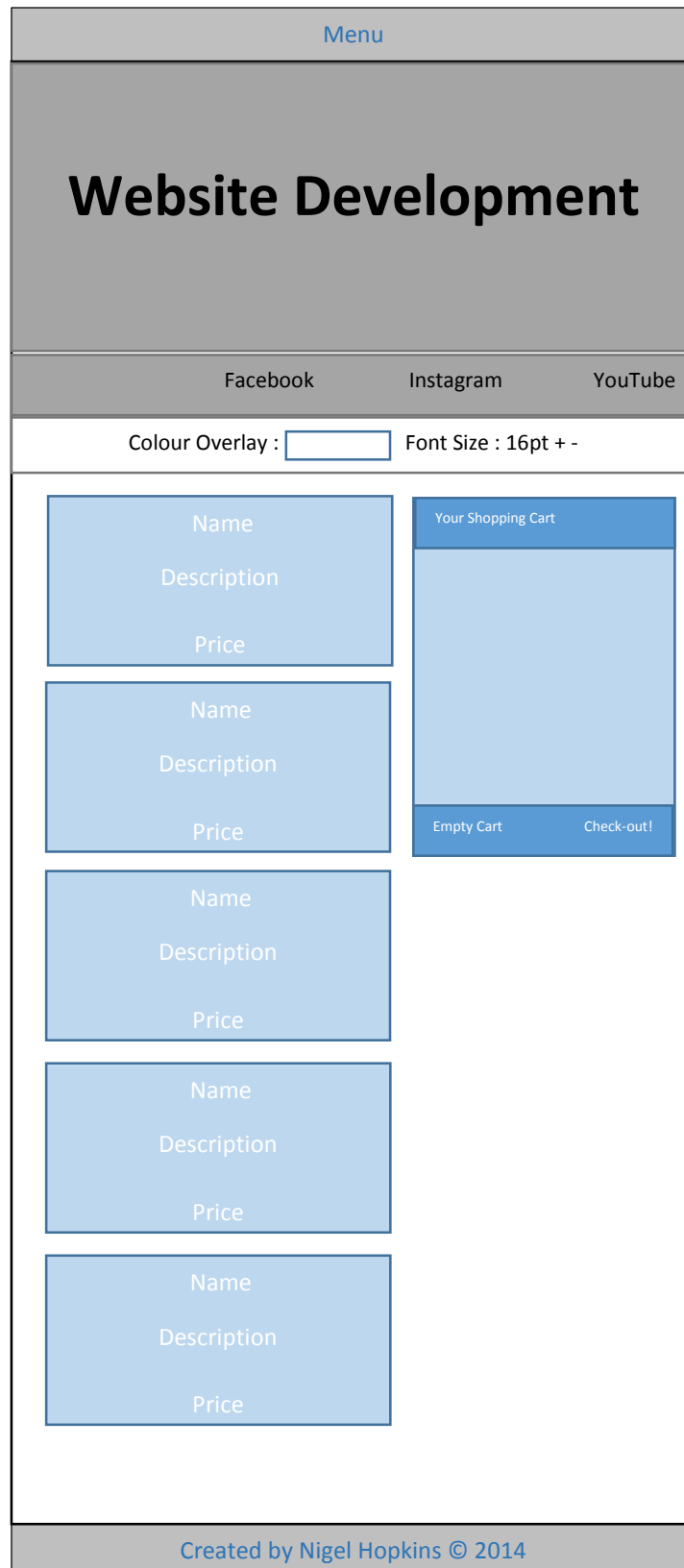


Fig 1.6 Shop page as shown on a screen with a width less than 680px

[Menu](#)

Website Development

[Facebook](#) [Instagram](#) [YouTube](#)

Colour Overlay : Font Size : 16pt + -

Name

Description

Price

Name

Description

Price

Name

Description

Price

Name

Description

Price

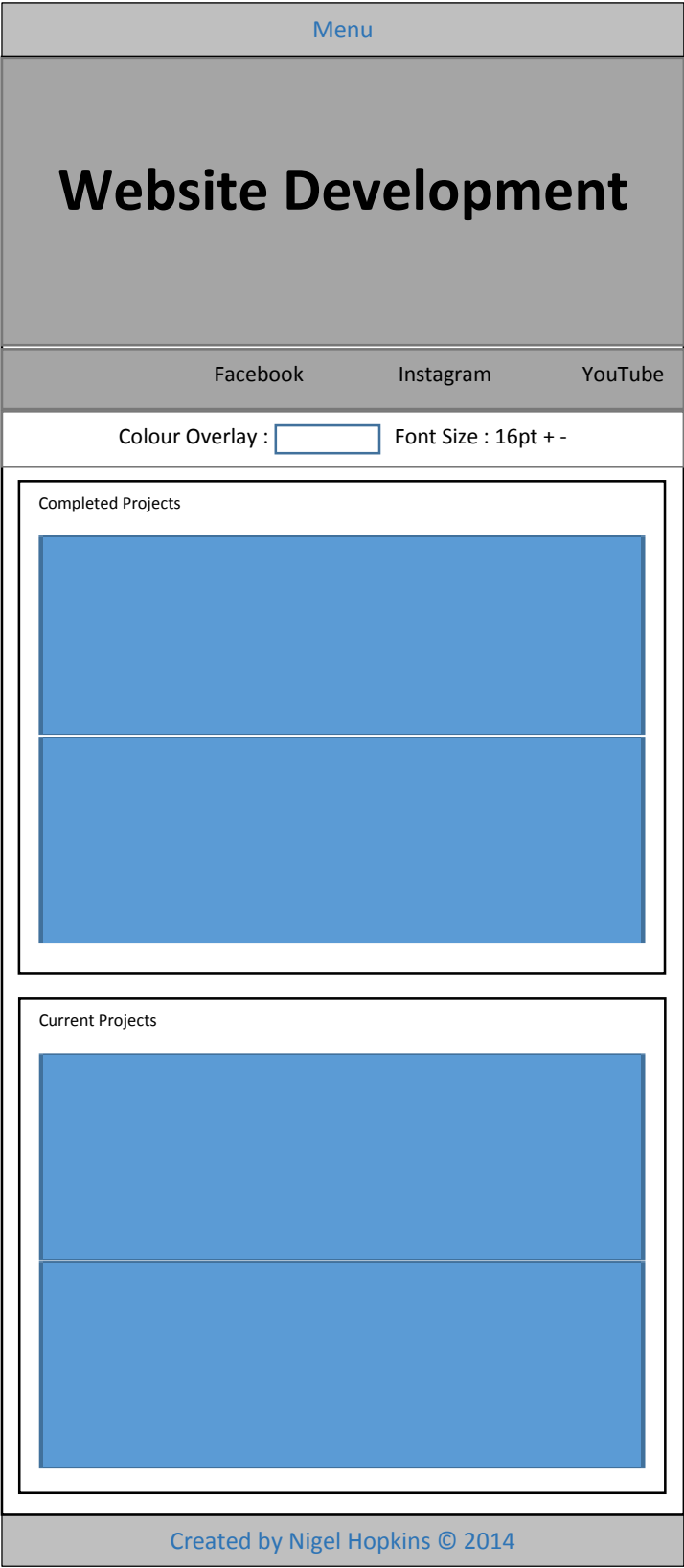
Created by Nigel Hopkins © 2014

Portfolio Page

Fig 3.2.7 Portfolio page as shown on a screen with a width greater than 1028px



Fig 3.2.8 Portfolio page as shown on a screen with a width less than 1080px



Contact Page

Fig 3.2.9 Contact page as shown on a screen with a width greater than 1080px.



The diagram illustrates the layout of a contact page on a wide screen. It features a top navigation bar with links: Home, Shop, Portfolio, Contact, Logon, and Shopping Cart. The main content area is centered and contains a large heading 'Website Development'. Below this is a row of social media links: Facebook, Instagram, and YouTube. A 'Colour Overlay' section includes a color picker and a 'Font Size : 16pt + -' control. The contact form itself is enclosed in a white box with a grey border and contains a 'Telephone Number' field, an 'Email Address' field, a 'Message' text area, and a 'Send' button. The footer of the page states 'Created by Nigel Hopkins © 2014'.

Home Shop Portfolio Contact Logon Shopping Cart

Website Development

Facebook Instagram YouTube

Colour Overlay : Font Size : 16pt + -

Telephone Number

Email Address :

Message :

Send

Created by Nigel Hopkins © 2014

Fig 3.2.10 Contact page shown on a screen with a width less than 1080px

[Menu](#)

Website Development

[Facebook](#) [Instagram](#) [YouTube](#)

Colour Overlay : Font Size : 16pt + -

Telephone Number

Email Address :

Message :

Created by Nigel Hopkins © 2014

Logon Page

Fig 3.2.11 Logon page as shown on screen with a width greater than 1080px

The image shows a web page layout for a logon page. At the top is a navigation bar with links: Home, Shop, Portfolio, Contact, Logon, and Shopping Cart. Below this is a header section with the title "Website Development". Under the title are social media links for Facebook, Instagram, and YouTube. Below these links is a section for "Colour Overlay" with a text input field and "Font Size : 16pt + -". The main content area is a white box with a black border, containing a logon form. The form has two input fields: "Username" and "Password". Below the "Password" field is a "Logon" button. The page is flanked by two large blue vertical bars on the left and right sides. At the bottom is a footer bar with the text "Created by Nigel Hopkins © 2014".

Home Shop Portfolio Contact Logon Shopping Cart

Website Development

Facebook Instagram YouTube

Colour Overlay : Font Size : 16pt + -

Username

Password

Logon

Created by Nigel Hopkins © 2014

Fig 3.2.12 Logon page as show on screen with a width less than 1080px

[Menu](#)

Website Development

[Facebook](#) [Instagram](#) [YouTube](#)

Colour Overlay : Font Size : 16pt + -

Username

Password

Logon

Created by Nigel Hopkins © 2014

Fig 3.2.13 Website Preview page as shown on a screen with a width greater than 1080px



Fig 3.2.14 Website Preview page as shown on screen with a width less than 1080px

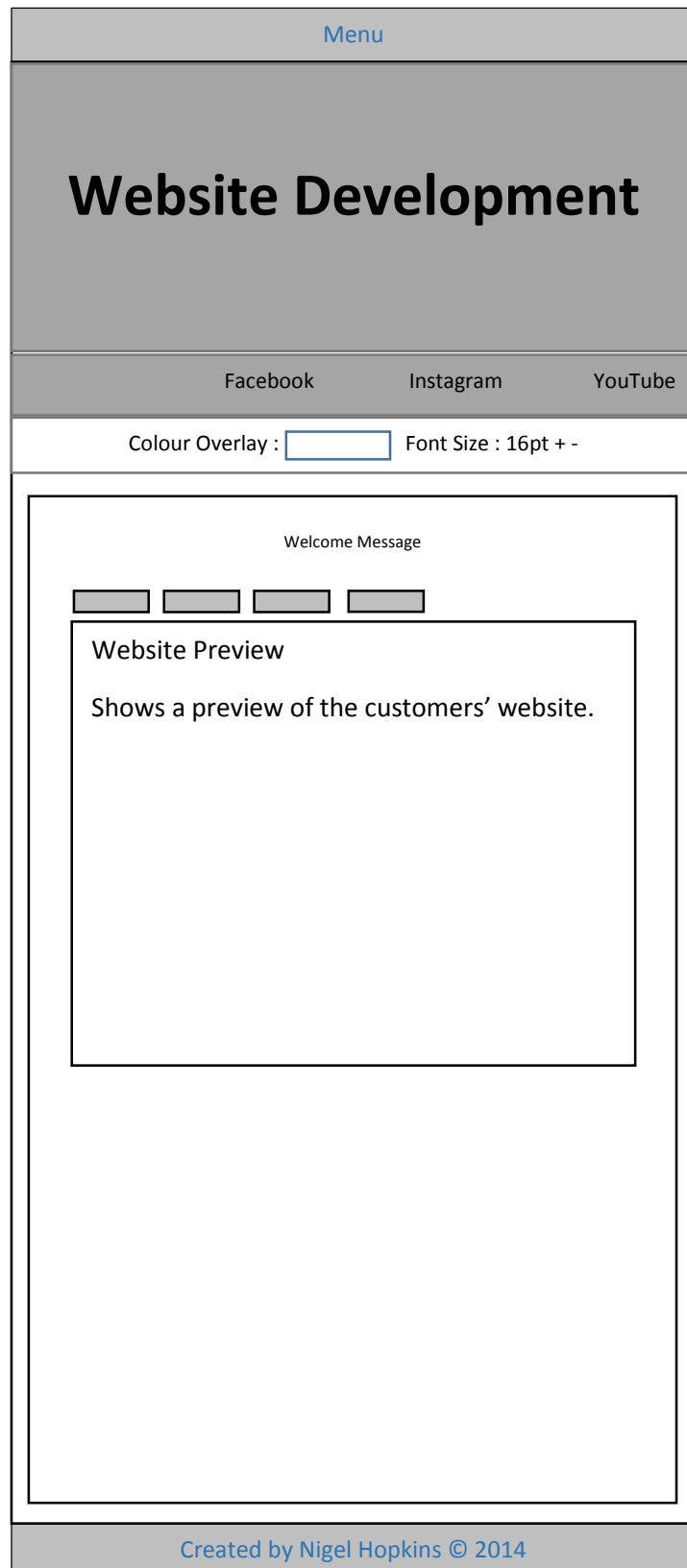


Fig 3.2.15 Upload Files page as shown on screen with a width greater than 1028px

Home	Shop	Portfolio	Contact	Logon	Shopping Cart
------	------	-----------	---------	-------	---------------

Website Development

FacebookInstagramYouTube

Colour Overlay : Font Size : 16pt + -

Welcome Message

List of files uploaded.

Created by Nigel Hopkins © 2014

Fig 3.2.16 Upload Files page as shown on a screen with a width less than 1080px

[Menu](#)

Website Development

[Facebook](#) [Instagram](#) [YouTube](#)

Colour Overlay : Font Size : 16pt + -

Welcome Message

List of files uploaded.

Created by Nigel Hopkins © 2014

Fig 3.2.17 My Account page as shown on a screen with a width greater than 1080px



Fig 3.2.18 My Accounts page as shown on a screen with a width of less than 1080px

[Menu](#)

Website Development

[Facebook](#) [Instagram](#) [YouTube](#)

Colour Overlay : Font Size : 16pt + -

Welcome Message

My Account

Details

Company Name

First Name

Last Name

Contact Details

Phone Number

Email Address

Address

Building Number

Street Name

City

County

Postal Code

Created by Nigel Hopkins © 2014

Shopping Cart

Fig 3.2.19 Shopping Cart Page as show on a screen with a width greater than 1028px

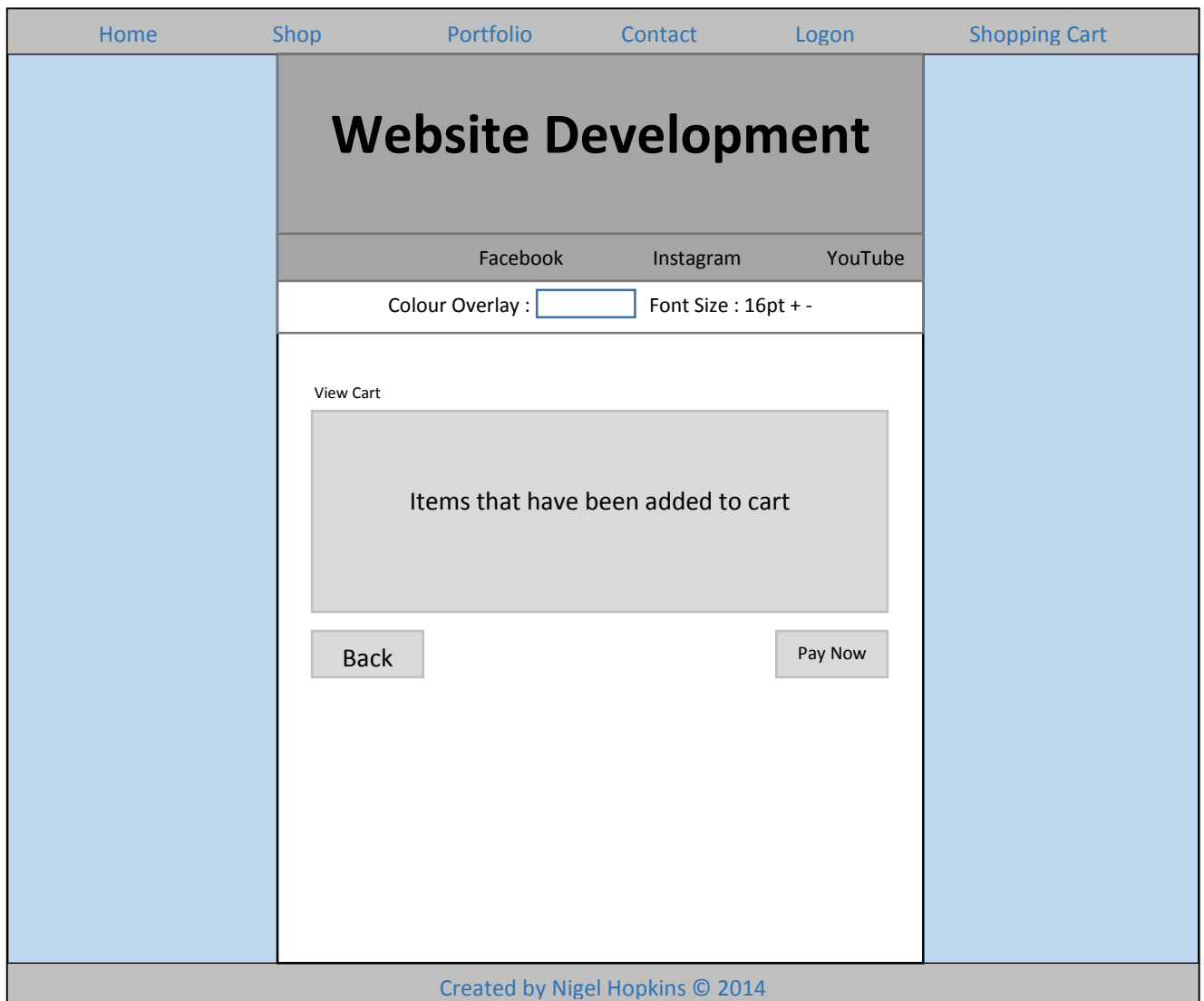
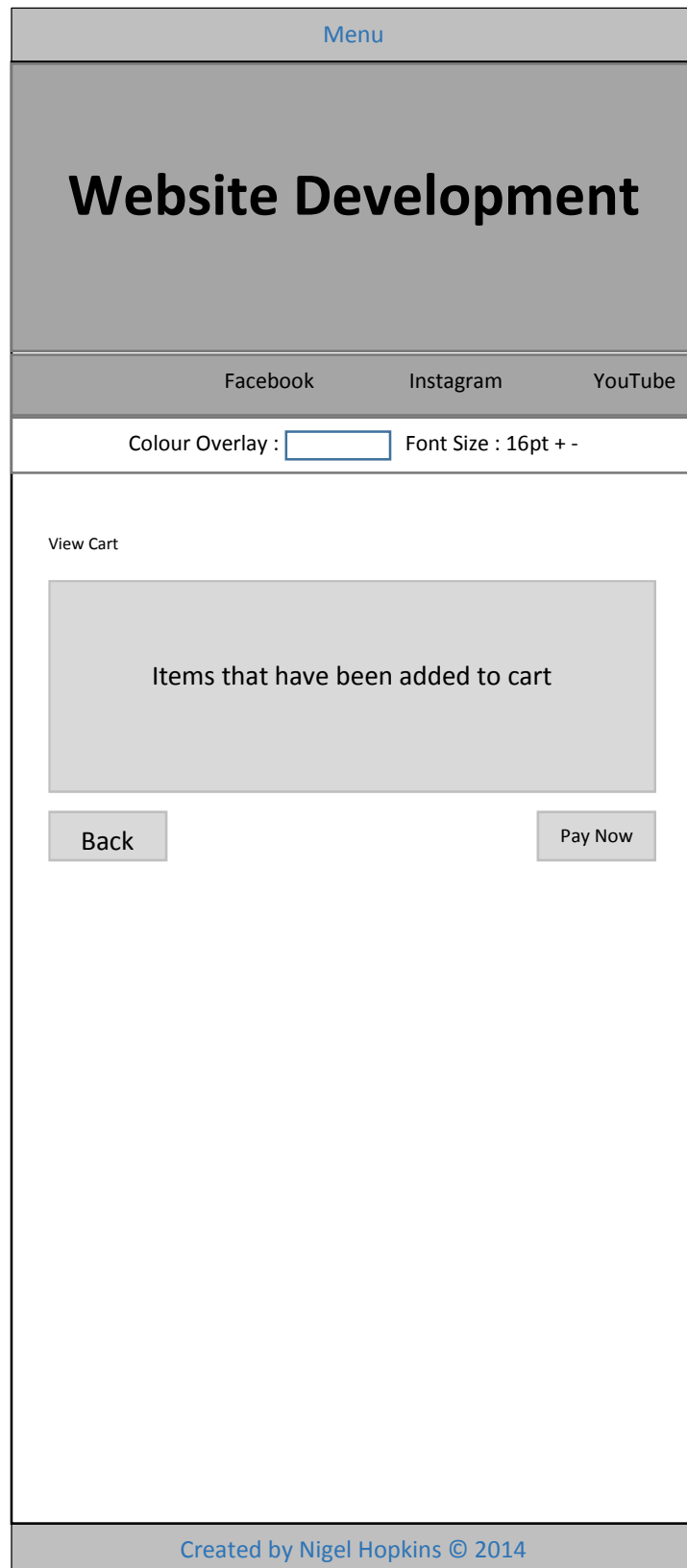


Fig 3.2.20 Shopping Cart page as show on a screen with a width less than 1080px



3.3 Application Storyboard

Fig 3.3.1 Application logon screen.



The storyboard shows a logon screen for a 'Website Development' application. It features a menu bar with a 'File' option. The main content area has a large title 'Website Development' and a dashed rectangular frame containing the logon form. The form includes labels for 'Username' and 'Password', each followed by a text input field. A 'Logon' button is positioned to the right of the password field.

File

Website Development

Username

Password

Logon

Fig 3.3.2 Application > Main Menu

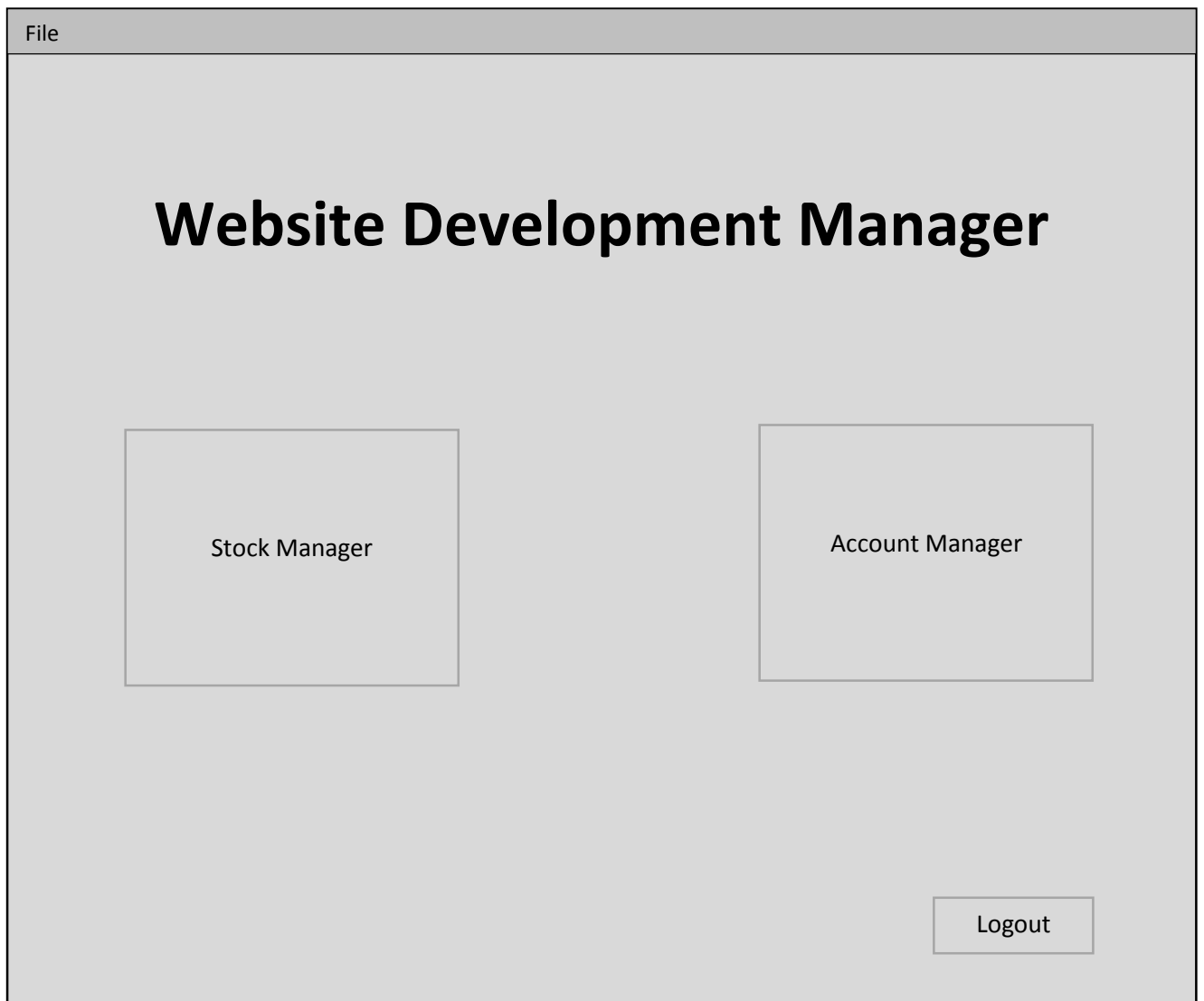


Fig 3.3.3 Application > Main Menu > Stock Manager Menu.

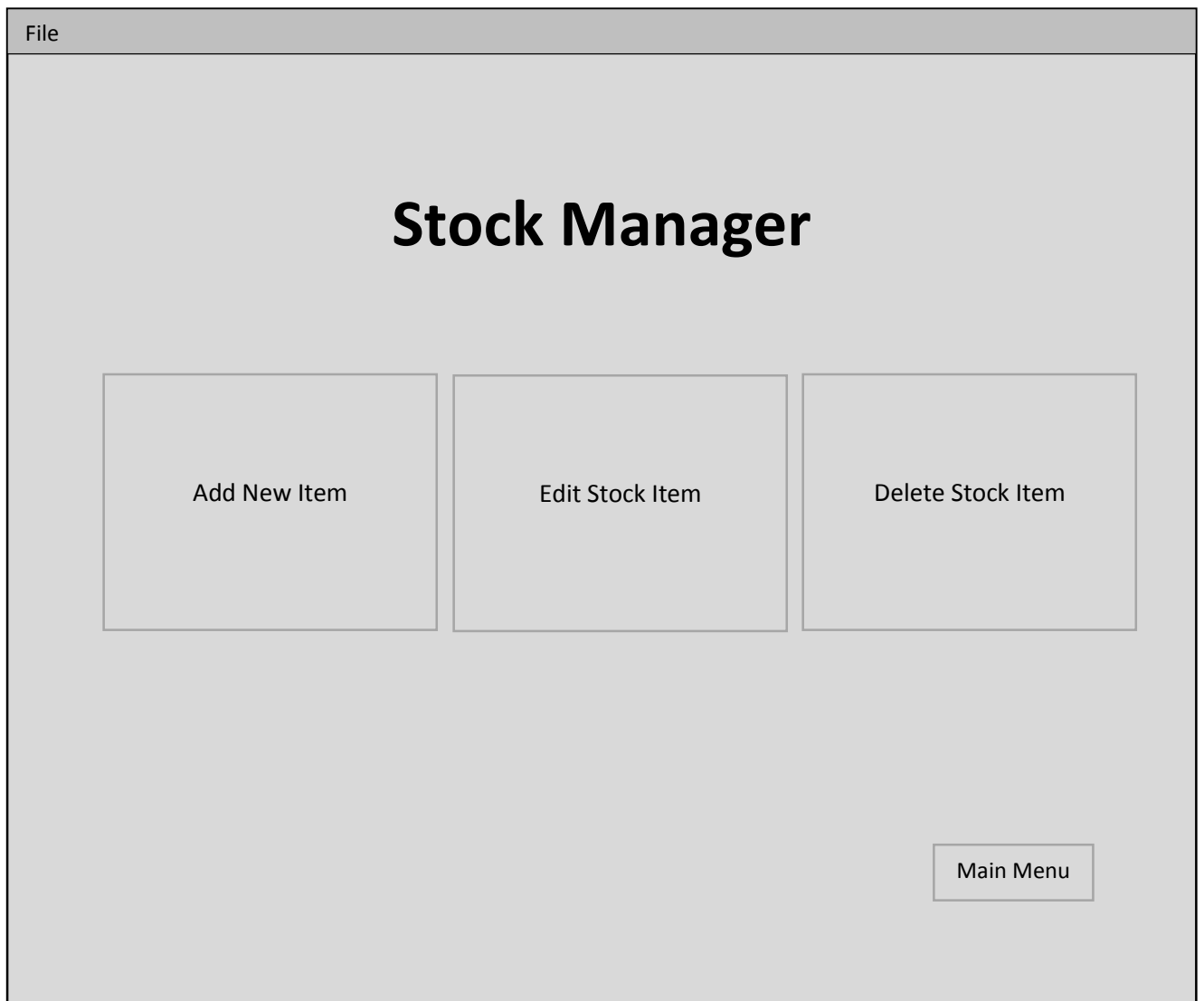


Fig 3.3.4 Application > Main Menu > Stock Manager > Add

File

Stock Manager

Add

Stock ID:

Title:

Price:

Description:

Select Image

Save

Stock Manager

Main Menu

Fig 3.3.5 Application > Main Menu > Stock Manager > Edit

File

Stock ID:

Title:

Price:

Description:

Select Image

List of items stored on products database.

Save

Stock Manager

Main Menu

Fig 3.3.6 Application > Main Menu > Stock Manager > Delete

File

Stock Manager

Delete

Stock ID:

Title:

Price:

Description:

Select Image

List of items stored on products database.

Delete

Stock Manager

Main Menu

Fig 3.3.7 Application > Main Menu > Account Manager

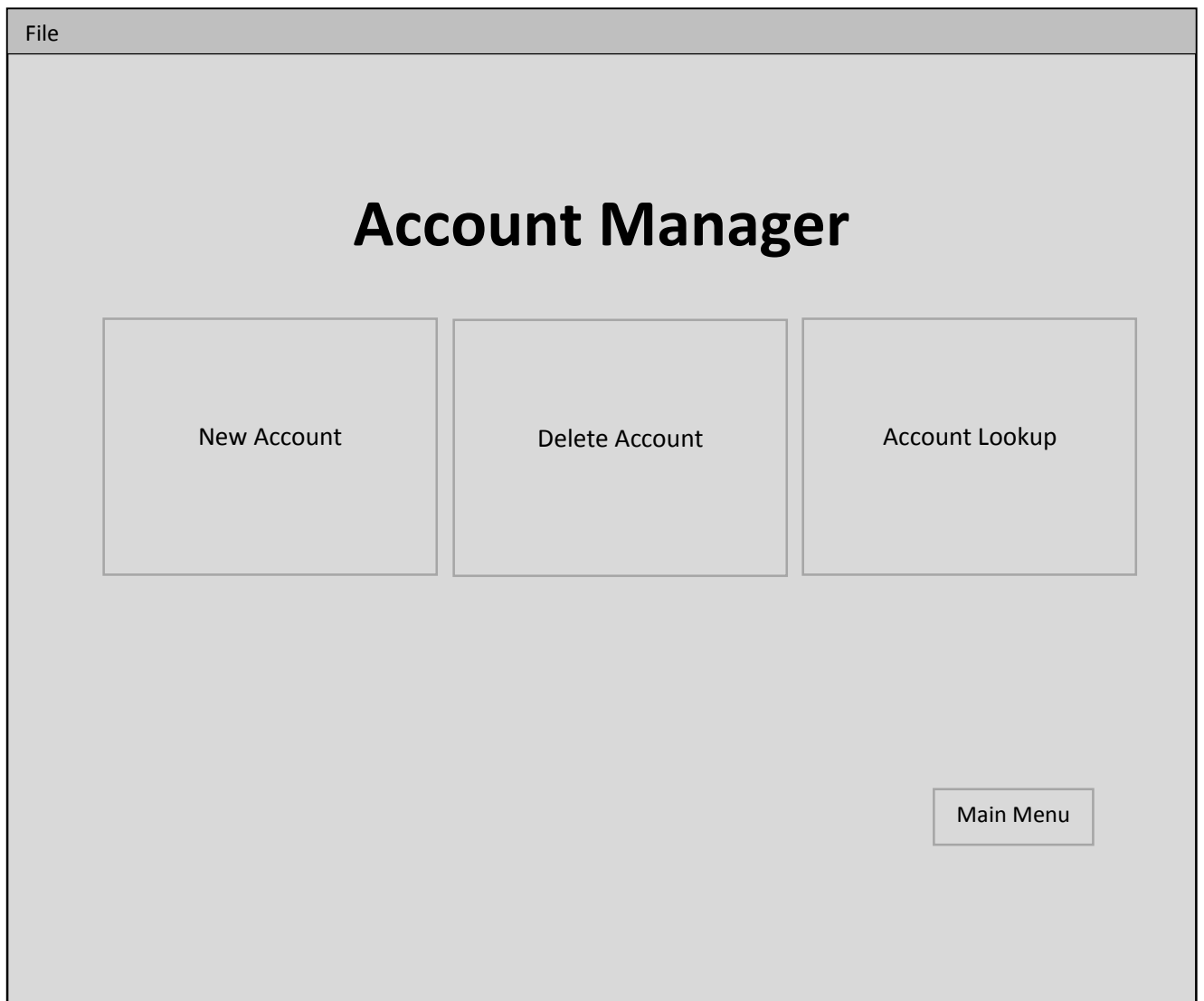


Fig 3.3.8 Application > Main Menu > Account Manager > New Account

File

Account Manager

New Account

ID	<input type="text"/>	Building Number	<input type="text"/>
Company Name	<input type="text"/>	Street Name	<input type="text"/>
First Name	<input type="text"/>	City	<input type="text"/>
Last Name	<input type="text"/>	County	<input type="text"/>
Phone Number	<input type="text"/>	Postal Code	<input type="text"/>
Email	<input type="text"/>		

Save

Account Manager

Main Menu

Fig 3.3.9 Application > Main Menu > Account Manager > Delete

File

Account Manager

Delete Account

ID	<input type="text"/>	Building Number	<input type="text"/>
Company Name	<input type="text"/>	Street Name	<input type="text"/>
First Name	<input type="text"/>	City	<input type="text"/>
Last Name	<input type="text"/>	County	<input type="text"/>
Phone Number	<input type="text"/>	Postal Code	<input type="text"/>
Email	<input type="text"/>		

List of accounts stored in members database.

Delete

Account Manager

Main Menu

Fig 3.3.10 Application > Main Menu > Account Manager > Account Lookup

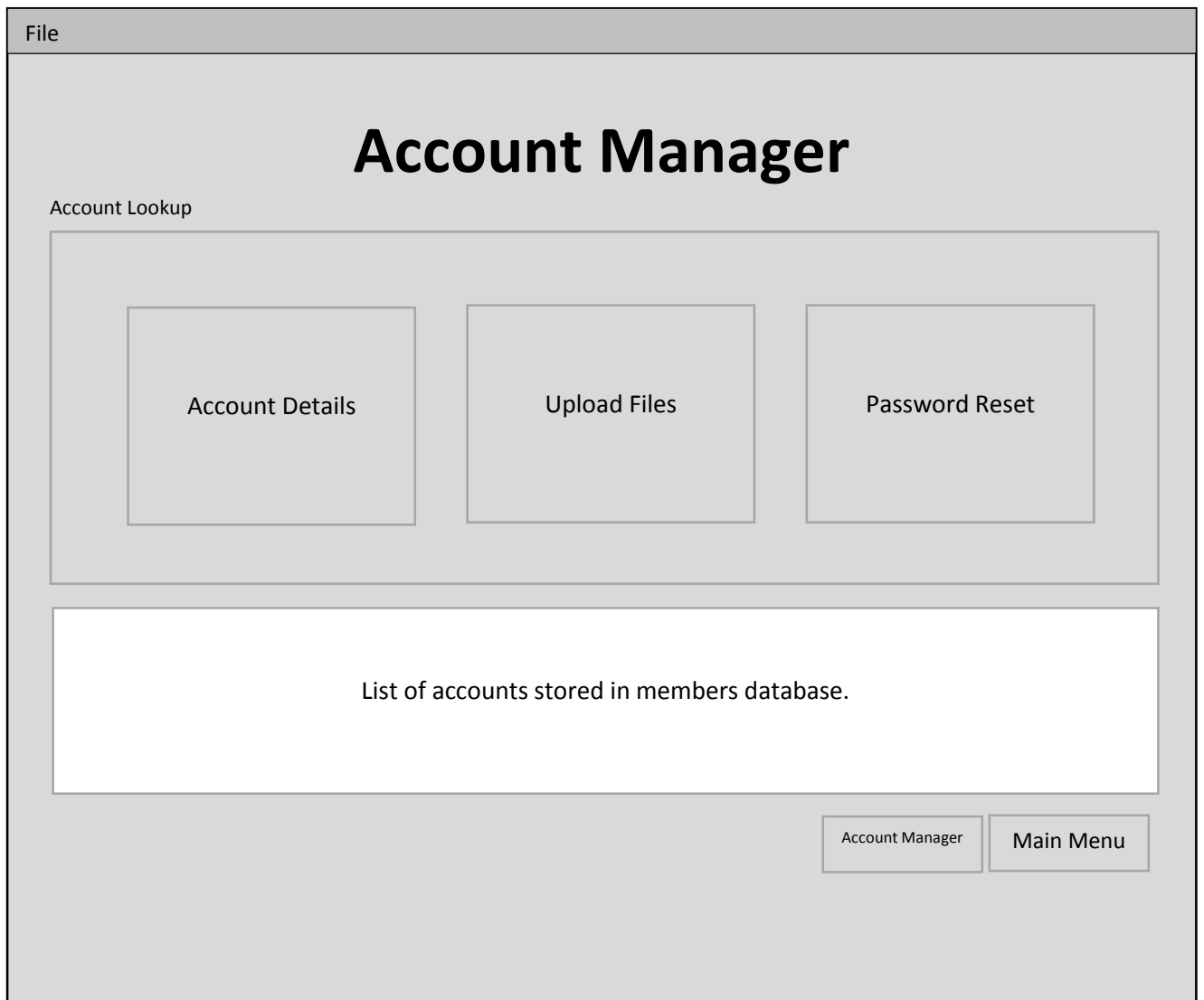


Fig 3.3.11 Application > Main Menu > Account Manager > Account Lookup > Account Details

File

Account Manager

Account Details

ID	<input type="text"/>	Building Number	<input type="text"/>
Company Name	<input type="text"/>	Street Name	<input type="text"/>
First Name	<input type="text"/>	City	<input type="text"/>
Last Name	<input type="text"/>	County	<input type="text"/>
Phone Number	<input type="text"/>	Postal Code	<input type="text"/>
Email	<input type="text"/>		

List of accounts stored in members database.

Account Manager

Main Menu

Fig 3.3.12 Application > Main Menu > Account Manager > Account Lookup > Upload Files

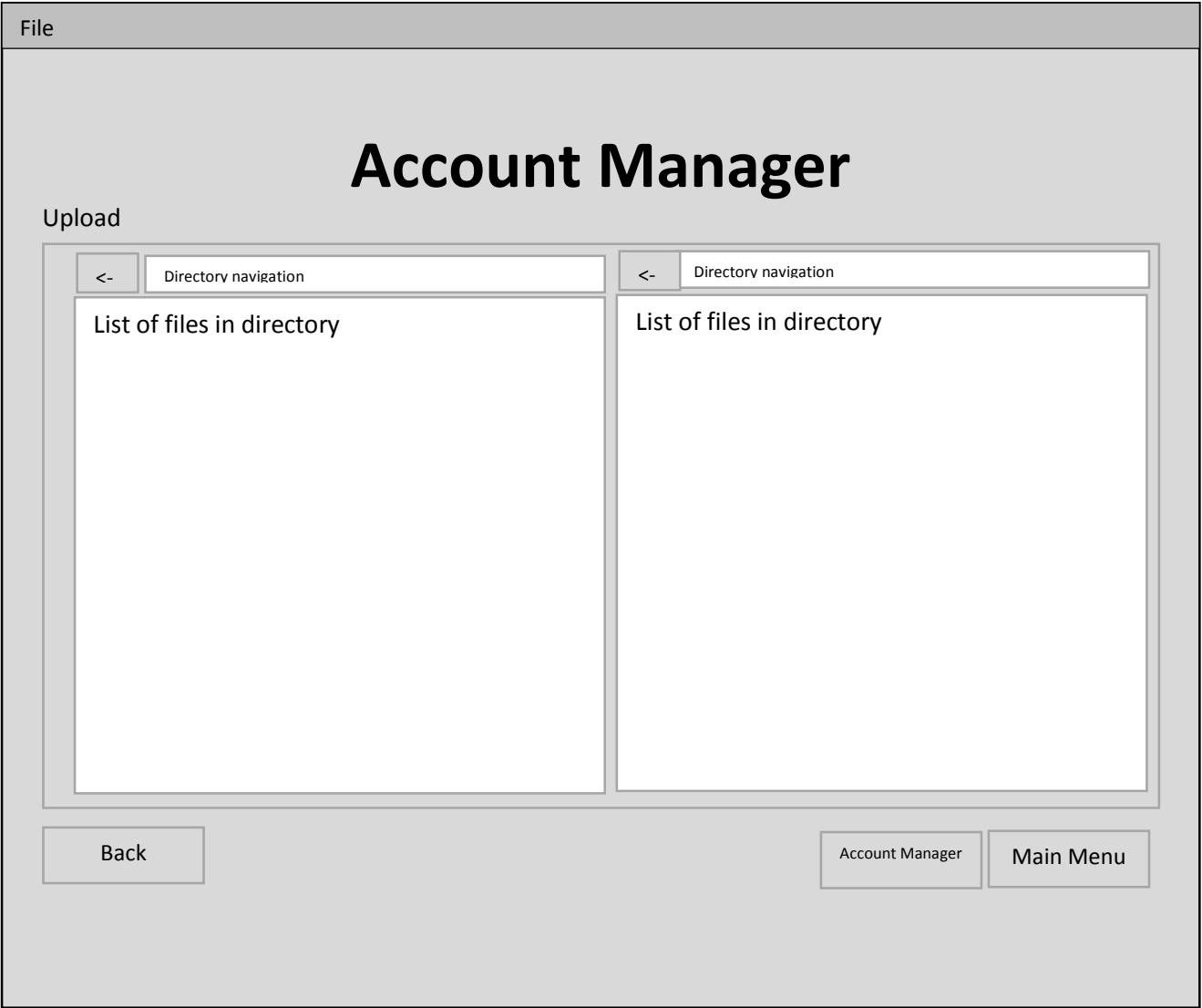
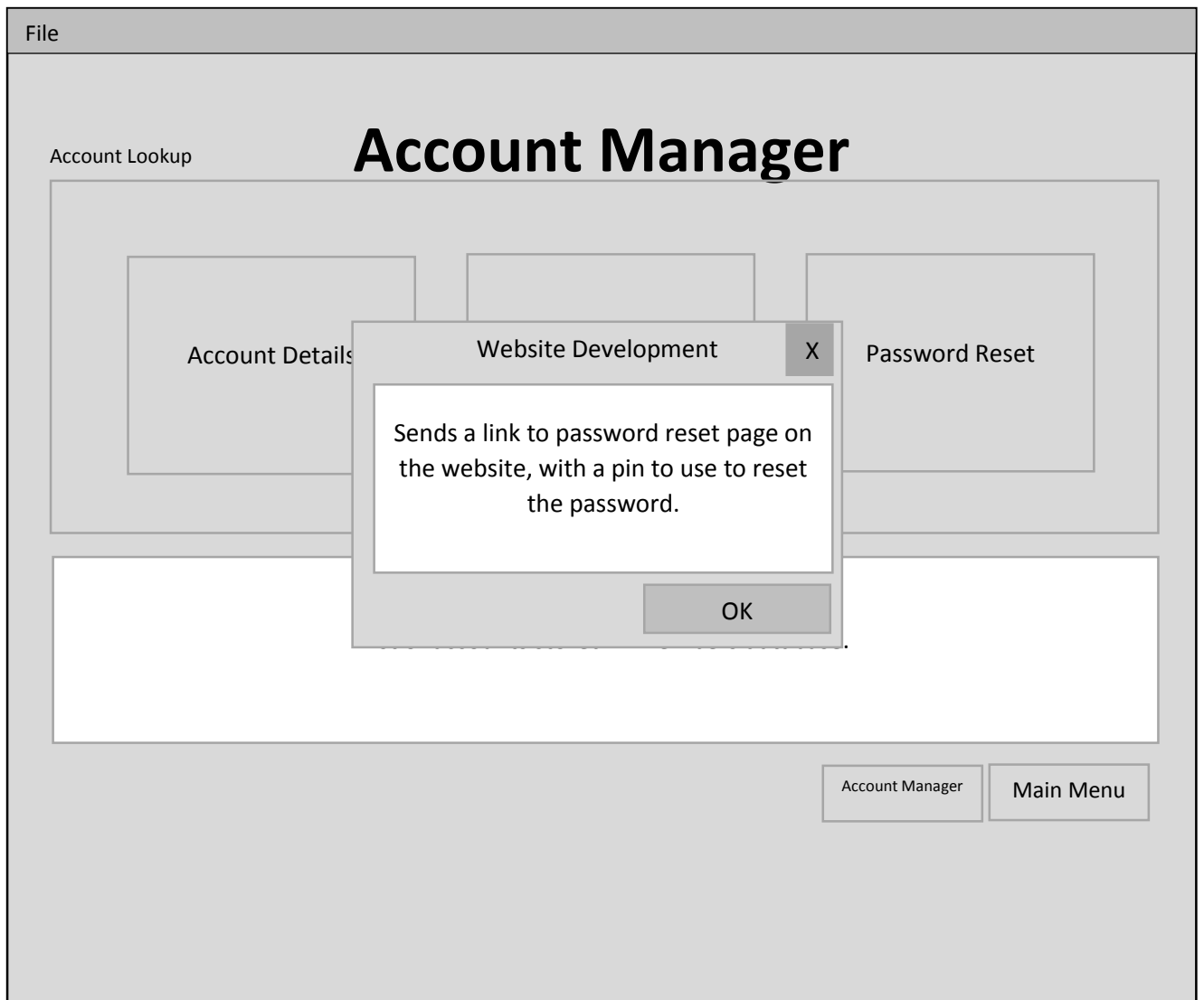


Fig 3.3.13 Application >Main Menu > Account Manager > Lookup Account > Password Reset



Appendix F. Design Descripton of Shopping Cart and Members Area

1.1 The Shopping Cart

In order to complete this part of the website I wanted to create a function that I would be able to alter its contents quickly via the backend application and new in order to achieve this I would need to use a PHP constructed shopping cart which would get it contents from a MySQL database which will contain the stock.

To try to save some time in having to code the functionality and design the databases I decided to see if there was already something available on the internet I could just integrate into my website.

After looking on Google for examples of a shopping cart I have decided to use one I found on Sanwebe.com website called “PayPal Shopping Cart Example” (Sanwebe.com, 2015) the reason I chose to use this script is because I thought it would not only be suitable for what I needed but also it would solve another issue in regards customers personal information as it would link to their PayPal accounts and there would not be any need to store any sensitive information about the any transaction on the website it could easily be retrieved by logging in to the PayPal account that all payments would be made to.

One issue I did have with using a PayPal shopping cart I would have to register with them as a company and would not be able to their API settings to test the connectivity of shopping cart the payment processing function. I have there for decided to leave this function to a future development as it would not be necessary to complete transactions for the shopping cart but to just insure that the shopping cart would work within the scope of the project.

1.2 The Members Area

During a previous project I came acorss a tutorial online explaining how to create a members area for a website. This example from wikiHow explained the concernecs faced by developers today when dealing with securing websites and how more and more stories in the news are about websites being cracked.

WikiHow explained that creating a logon system is a complex process and “not something to be undertaken without knowledge of a wide variety of security topics.”(Wiki How to do anything, 2014). It also highlights that the example in there tutorial is more for educational purpouses and not ment for a production environment and also surjested if that was the intended purpose then I would be better off using a prepacked and vetted system to which it listed several at the bottom of the article.

According to the article the guide would help guard against the follow types of attacks:

- SQL Injections.
- Session Hijacking.
- Network Eavesdropping.
- Cross Site Scripting.

- Brute Force Attacks.

This example also included a number of different data filtering and encryptions (SHA512 with salt) methods to try and secure the website as much as possible. It was after reading this that although this website would eventually be made live and the type of information that would be held on the website that this example would be perfect for what was needed to create the members area and I integrated into the website.

1.2.1 Tailoring Restricted Content

Once a customer has logged on to the system using their username and password they arrive on a landing page which is tailored to them it displays a welcome message which includes the customer's name which is taken from the SQL database which contains all the members information.

Using the information from the members database the website directs the page to a folder that is named with the user's first and last name e.g. NigelHopkins where their project is being stored on the website server. It then displays this website in an iframe on the page for the customer to look at. This is a live view of the customer's project where the functionality of it can also be tested. Unfortunately I was unable to find a way to scale the customer's website site to fit the size of the iframe so left it with both scrollbars enabled so that the customer can see the whole site.

Using the folder that was created to store the customer's website I was able to integrate a file upload function from phpfileuploader.com (PHP File Upload script, 2014) and alter the code so that it would upload files to the customer's folder. Using this folder will allow customer to upload content for the websites to their accounts for me to be able to retrieve and use.

The last page in this area was some where customer can check the personal details I have on them to insure they are correct although this does not allow the customer to edit these details it will allow them the opportunity to email or ring me to let me know of any changes.

There is a button on this page that ends the session created when the user logs on to this section on the website. Whilst logged on to the website the customer is free to navigate around the entire site without the system automatically logging the user out. In fact there was no time out function included with this feature and felt to get a session time out feature working with the code I have gotten from a third party source would be too time consuming and would therefore save it as a future development.

Appendix G. Details on Application Sections

The stock management section of the application works by allowing the user to enter product details into a form select a picture that represents that product and saves it to the database. The database will only save as a text field the file location to the photo (which is the location after the picture has been copied into the relevant folder within the website directory) and not the picture this is so the access to the database is not slowed down by the amount of data held in it.

The challenge that faced me whilst constructing the area which will allow for new members to be added to the members database on the SQL server was the encryption used for the password on the

website. As the website uses a SHA512 Hashed with salt algorithm to encrypt their password whilst I did try to get Visual Basic to use this encryption method I found it almost impossible to get the password that was generated to match up with the one that was stored in the database.

After spending a lot of time looking at examples online of how it was done and failing to get it working I felt the only real option left to me was to allow the website to create the password and therefore the same encryption method would always be used.

To achieve this after the user has clicked the save button form for adding a new customer in the account managers section of the application the application generates a random 6 digit number and adds it to a field on the database called pin. Using the email address entered during the registration the application then email the customer that pin along with a link to a registration page that is stored on the webserver along with the website.

Once on the registration page the user is asked to enter the pin and create a password this pin is then matched to one that is stored in the database and the password which has then been encrypted is added to the password field. The pin that is stored in the pin field is then deleted to prevent it being used again.

To secure the website against anyone just using a blank field to try and change a password the form on the website is set so that the pin field will produce an error if left blank. This method is also used if the customer forgets or loses their password then I can use the application to select their account and use the change password function for a new pin to be generated and emailed to the customer. Although this field is not encrypted I do feel it to be secure as it is a number that is randomly generated and consists of 6 digits with each number being able to be used more than once using the formula 6^{10} it gives 1000000 possible combinations to this pin.

Appendix H. Project Code

Website HTML and PHP Code

index.php

```
<?php
```

```
include_once "sqlConnection/db_connect.php";
```

```
include_once "sqlConnection/functions.php";
```

```
session_start();
```

```
if (login_check($mysqli) == true) {
```

```
    $logged = 'in';
```

```
} else {
```

```
    $logged = 'out';
```

```

}
?>
<!DOCTYPE html>
<html>
<head>
    <!-- TITLE FOR THE WEB SITE ---->
    <title>NH Hopkins Website</title>
    <!-- START OF STYLE SHEETS ---->
    <link rel="stylesheet" type="text/css" href="CSS/default.css" >
    <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
    <!-- END OF STYLE SHEETS ---->
    <!-- GOOGLE FONTS ---->
    <link href='http://fonts.googleapis.com/css?family=Tangerine:400,700'
rel='stylesheet' type='text/css'>

    <!-- END GOOGLE FONTS ---->
    <!-- START OF META TAGS ---->
    <meta charset="UTF-8">
    <meta name="keywords" content=" web design plymouth, website design Plymouth,
website design, web hosting plymouth. website hosting Plymouth, web sites hosted
Plymouth, ecommerce websites plymouth, website optimisation Plymouth, SEO Plymouth,
affordable web design Plymouth, small business websites plymouth, web development
Plymouth, web designers Plymouth, Web Design in Plymouth " />
    <meta name="description" content=" Web design Plymouth by Website Development
Plymouth. Specialists in Website Design and Web Design in Plymouth, website development,
Internet marketing, SEO, Search Engine Optimisation in Plymouth, Devon, Cornwall."/>
    <meta name="geo.region" content="GB-PLY" >
    <meta name="geo.placename" content="Plymouth" >
    <meta name="Subject" content="Website design Plymouth, Devon. Web design
Devon. We are web designers in Plymouth, Devon offering web design in Plymouth and
Devon, website development. Website Development Web Design are based in Plymouth,
Devon."/>
    <meta name='subtitle' content='Web design and Website Design Plymouth By
Website Development Web design Plymouth'>

```

```

    <meta name="robots" content="index,follow"/>

    <meta name="revisit-after" content="10"/>

    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-
scale=1">

    <!-- END OF META TAGS -->

    <!-- JAVASCRIPT LINKS -->

<script src="js/cookie.js"></script>
<script src="js/fontsize.js"></script>
<script src="js/bgColourChange.js"></script>
<script type="text/javascript">

<script type="text/javascript">
if ($.cookie('cookies_enable')) {
    //code
}
</script>

</head>
<body>
    </div>
    <div id="top-bar">
        <?php include"parts/Nav.html" ?>
    </div>
    <div id="container">
        <div id="content">
            <div id="Title">
                <h1>WebSite Development</h1>
            </div>
            <div id="SocialMediaBar">
                <ul class="SocialMedia">

```

```

</li><a
href="https://www.facebook.com/nigel.hopkins.355" target="_new"></a></li>

```

```

</li><a
href="https://www.linkedin.com/hp/?dnr=FgyjRUh34LGprRqNFgvCRj8MNLGYTu4_674Z
" target="_new"></a></li>

```

```

</li><a
href="https://www.youtube.com/channel/UCQPIVS4KZQBoCJXymVr9bPw"
target="_new"></a></li>

```

```

</ul>

```

```

</div>

```

```

</div>

```

```

<ul id="AccessibilityUI">

```

```

<li>Colour Overlay :

```

```

<select runat="server" id="ColourChange">

```

```

<option value="Default"
class="Default">Default</option>

```

```

<option value="Aqua"
class="Aqua">Aqua</option>

```

```

<option value="Purple"
class="Purple">Purple</option>

```

```

<option value="Neutral"
class="Neutral">Neutral</option>

```

```

<option value="Magenta"
class="Magenta">Magenta</option>

```

```

<option value="Blue"
class="Blue">Blue</option>

```

```

<option value="Lilac"
class="Lilac">Lilac</option>

```

```

<option value="Rose"
class="Rose">Rose</option>

```

```

<option value="Turquoise"
class="Turquoise">Turquoise</option>

```

```

<option value="Yellow"
class="Yellow">Yellow</option>

```

```

class="Orange">Orange</option>
class="Apple">Apple</option>
class="Leaf">Leaf</option>
</select>
</li>
<li>||</li>
<li>
<label id="FontSize"> Font Size : 16 pt</label>
<input type="button" name="Bigger" id="Bigger"
value="+" />
<input type="button" name="Smaller" id="Smaller"
value="-" />
</li>
</ul>
<?php include"parts/slider.html" ?>
<div class="large-panel">
<hr>
<h3>Bespoke :</h3>
<span>As well as using templates to create your website, we
will help you create a truly unique website that will give your company or organisation the
right look.
<br>
<br>
From start to finish you would be involved in every step of the
construction </span>
<div class="clear"> &nbsp; </div>
<hr>
</div>
<div class="panel-container">
<ul>
<li>
<ul>
Nigel Hopkins (30026387)
[69]

```

```

                                <?php $sqlProduct_Name =
$mysqli->query("SELECT product_name FROM products WHERE id =81")-
>fetch_object()->product_name;

                                $sqlProduct_Desc =
$mysqli->query("SELECT product_desc FROM products WHERE id =81")->fetch_object()-
>product_desc;

                                $sqlPrice = $mysqli-
>query("SELECT price FROM products WHERE id =81")->fetch_object()->price; ?>

```

```

                                <li><?php echo
$sqlProduct_Name ?></li>

                                <li><span><?php echo
$sqlProduct_Desc ?></span></li>

                                <li>Price &pound<?php echo
$sqlPrice ?> </li>

```

```

                                </ul>

```

```

                                </li>

```

```

                                <li>

```

```

                                <ul>

```

```

                                <?php $sqlProduct_Name = $mysqli-
>query("SELECT product_name FROM products WHERE id =79")->fetch_object()-
>product_name;

```

```

                                $sqlProduct_Desc =
$mysqli->query("SELECT product_desc FROM products WHERE id =79")->fetch_object()-
>product_desc;

```

```

                                $sqlPrice = $mysqli-
>query("SELECT price FROM products WHERE id =79")->fetch_object()->price; ?>

```

```

                                <li><?php echo
$sqlProduct_Name ?></li>

                                <li><span><?php echo
$sqlProduct_Desc ?></span></li>

                                <li>Price &pound<?php echo
$sqlPrice ?> </li>

```

```

                                </ul>

```

```

                                </li>

```

```

                                <li>

```

```

                                <ul>

```

```

                                <?php $sqlProduct_Name = $mysqli-
>query("SELECT product_name FROM products WHERE id =77")->fetch_object()-
>product_name;

                                $sqlProduct_Desc =
$mysqli->query("SELECT product_desc FROM products WHERE id =77")->fetch_object()-
>product_desc;

                                $sqlPrice = $mysqli-
>query("SELECT price FROM products WHERE id =77")->fetch_object()->price; ?>

                                <li><?php echo
$sqlProduct_Name ?></li>

                                <li><span><?php echo
$sqlProduct_Desc ?></span></li>

                                <li>Price &pound<?php echo
$sqlPrice ?> </li>

                                </ul>

                                </li>

                                <div class="clear"> </div>

                                </ul>

                                </div>

                                <div class="large-panel">
                                <hr>
                                <h3>SEO :</h3>
                                <span>

```

SEO (Search Engine Optimization) is a process in which you optimize the visibility off your website in a search engine's results.

In general, the higher up the search list your website appears in the search results, the more visitors will use their website.

SEO targets many different kinds of search , including images,local,video and academic searches to insure that you website is ranked as high as possible

on the search results list.

```

                                </span>
                                <div class="clear"></div>

```



```

        <hr>
    </div>

    <div class="large-panel">
    </div>

    <div class="clear"></div>
</div>

</div>

<div id="footer" data-bottombar role="footer">
    <?php include "parts/Footer.html" ?>
</div>
</body>
</html>

```

Shop.php

```

<?php
session_start();

include_once "sqlConnection/db_connect.php";
include_once "sqlConnection/functions.php";
include_once "parts/Cart/CartConfig.php";

?>

<!DOCTYPE html>

<html>

<head>

    <!-- TITLE FOR THE WEB SITE ---->
    <title>NH Hopkins Website</title>

    <!-- START OF STYLE SHEETS ---->
    <link rel="stylesheet" type="text/css" href="CSS/default.css" >

    <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>

    <!-- END OF STYLE SHEETS ---->

```

```

<!--- GOOGLE FONTS --->

<link href='http://fonts.googleapis.com/css?family=Tangerine:400,700'
rel='stylesheet' type='text/css'>


<!--- END GOOGLE FONTS --->

<!--- START OF META TAGS --->

<meta charset="UTF-8">

<meta name="description" content=""><!--- add the description for the website in
here this is the description that will be displayed on search engines --->

<meta name="keywords" content=""><!--- add the keywords you would like users
to use when searching for the website on search engines --->

<meta name="author" content=""><!--- add the name of the author of the website. -
--->

<meta name="viewport" content="width=device-width, initial-scale=1">

<!--- END OF META TAGS --->

<!--- JAVASCRIPT LINKS --->

<script src="js/cookie.js"></script>

<script src="js/fontsize.js"></script>

<script src="js/bgColourChange.js"></script>

<script type="text/javascript"></script>

</head>

<body>

<div id="top-bar">

    <?php include"parts/Nav.html" ?>

</div>

<div id="container">

    <div id="content">

        <div id="Title">

            <h1>WebSite Development</h1>

        </div>

        <div id="SocialMediaBar">

            <ul class="SocialMedia">

```

```

</li><a
href="https://www.facebook.com/nigel.hopkins.355" target="_new"></a></li>

```

```

</li><a
href="https://www.linkedin.com/hp/?dnr=FgyjRUh34LGprRqNFgvCRj8MNLGYTu4_674Z
" target="_new"></a></li>

```

```

</li><a
href="https://www.youtube.com/channel/UCQPIVS4KZQBoCJXymVr9bPw"
target="_new"></a></li>

```

```

</ul>

```

```

</div>

```

```

<ul id="AccessibilityUI">

```

```

<li>Colour Overlay :

```

```

<select runat="server" id="ColourChange">

```

```

class="Default">Default</option>
<option value="Default"

```

```

class="Aqua">Aqua</option>
<option value="Aqua"

```

```

class="Purple">Purple</option>
<option value="Purple"

```

```

class="Neutral">Neutral</option>
<option value="Neutral"

```

```

class="Magenta">Magenta</option>
<option value="Magenta"

```

```

class="Blue">Blue</option>
<option value="Blue"

```

```

class="Lilac">Lilac</option>
<option value="Lilac"

```

```

class="Rose">Rose</option>
<option value="Rose"

```

```

class="Turquoise">Turquoise</option>
<option value="Turquoise"

```

```

class="Yellow">Yellow</option>
<option value="Yellow"

```

```

class="Orange">Orange</option>
<option value="Orange"

```

```

class="Apple">Apple</option>
class="Leaf">Leaf</option>
</select>
</li>
<li>||</li>
<li>
<label id="FontSize"> Font Size : 16 pt</label>
<input type="button" name="Bigger" id="Bigger"
value="+" />
<input type="button" name="Smaller" id="Smaller"
value="-" />
</li>
</ul>
</div>

```

```

<?php
if (isset($_GET['p']))
{
switch($_GET['p']) { //switch is just like a bunch of if()s
default: //default case
case 'default': //default case
include('parts/Cart/Cart.php'); //include page.html
break; //break, witch means stop
case 'ViewCart': // Viewcart, if changePage has the value of
ViewCart
include('parts/Cart/view_cart.php'); //include
view_cart.php
break; //stop it
case 'Payment': // payments page
include('parts/Cart/paypal-express-
checkout/process.php');
break;

```

```

        } //end the switch
    }
    else
    {
        include('parts/Cart/Cart.php');
    }
?>
<div class="large-panel">

</div>
<div class="clear"></div>
</div>
</div>
<div id="footer" data-bottombar role="footer">
    <?php include "parts/Footer.html" ?>
</div>
</body>
</html>

```

Portfolio.php

```

<!DOCTYPE html>
<html>
    <head>
        <title>MiniCart</title>
        <link rel="stylesheet" type="text/css" href="CSS/portfolio.css" >
        <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
        </head>
        <body>
            <h1>Portfolio</h1>

            <div id="CompletedWorks">
                <h3>Completed Work</h3>

```

Nigel Hopkins (30026387)

<div class="tag">

The websites in this section contains all the paid for website I designed and coded with either by my self or in conjunction with another web developer.

</div>

<div class="WebSitePreview">

St Ives Carpentry

</div>

<div class="WebSitePreview">

Gauge Gallery

</div>

</div>

<div class="Acknowledgement">The two website above where designed and developed in partnership with Chris Tomlinson</div>

<div id="CompletedWorks">

<h3>Current Projects</h3>

<div class="tag">

The websites in this section contains all the projects I am currently involved in

</div>

<div class="WebSitePreview">

Update Coming soon

</div>

Nigel Hopkins (30026387)

```
<div class="WebSitePreview">
  
  <span>Update Coming soon</span>
</div>
</a>
</div>
</body>
</html>
```

Contact.php

```
<?php
```

```
include_once "sqlConnection/db_connect.php";
```

```
include_once "sqlConnection/functions.php";
```

```
sec_session_start();
```

```
if (login_check($mysqli) == true) {
```

```
    $logged = 'in';
```

```
} else {
```

```
    $logged = 'out';
```

```
}
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <!-- TITLE FOR THE WEB SITE ---->
```

```
    <title>NH Hopkins Website</title>
```

```
    <!-- START OF STYLE SHEETS ---->
```

```
    <link rel="stylesheet" type="text/css" href="CSS/default.css" >
```

```
    <script
```

```
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
```

```
    <!-- END OF STYLE SHEETS ---->
```

```
    <!-- GOOGLE FONTS ---->
```

```
    <link href='http://fonts.googleapis.com/css?family=Tangerine:400,700'
rel='stylesheet' type='text/css'>
```

```
    <!-- END GOOGLE FONTS ---->
```

```
    <!-- START OF META TAGS ---->
```

```
    <meta charset="UTF-8">
```

```
    <meta name="description" content=""><!-- add the description for the website in
here this is the description that will be displayed on search engines ---->
```

```
        Nigel Hopkins (30026387)
```

```
    [79]
```



```

    <meta name="keywords" content=""><!-- add the keywords you would like users
to use when searching for the website on search engines ---->

    <meta name="author" content=""><!-- add the name of the author of the website. -
--->

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- END OF META TAGS ---->

    <!-- JAVASCRIPT LINKS ---->

    <script src="js/cookie.js"></script>

    <script src="js/fontsize.js"></script>

    <script src="js/bgColourChange.js"></script>

    <script type="text/javascript"></script>

</head>

<body>

    <div id="top-bar">

        <?php include"parts/Nav.html" ?>

    </div>

    <div id="container">

        <div id="content">

            <div id="Title">

                <h1>WebSite Development</h1>

            </div>

            <div id="SocialMediaBar">

                <ul class="SocialMedia">

                    <li><a
href="https://www.facebook.com/nigel.hopkins.355" target="_new"></a></li>

                    <li><a
href="https://www.linkedin.com/hp/?dnr=FgyjRUh34LGprRqNFgvCRj8MNLGYTu4_674Z
" target="_new"></a></li>

                    <li><a
href="https://www.youtube.com/channel/UCQPIVS4KZQBoCJXymVr9bPw"
target="_new"></a></li>

                </ul>

                Nigel Hopkins (30026387)

            </div>

```

```

</div>
<ul id="AccessibilityUI">
    <li>Colour Overlay :
        <select runat="server" id="ColourChange">
            <option value="Default"
class="Default">Default</option>
            <option value="Aqua"
class="Aqua">Aqua</option>
            <option value="Purple"
class="Purple">Purple</option>
            <option value="Neutral"
class="Neutral">Neutral</option>
            <option value="Magenta"
class="Magenta">Magenta</option>
            <option value="Blue"
class="Blue">Blue</option>
            <option value="Lilac"
class="Lilac">Lilac</option>
            <option value="Rose"
class="Rose">Rose</option>
            <option value="Turquoise"
class="Turquoise">Turquoise</option>
            <option value="Yellow"
class="Yellow">Yellow</option>
            <option value="Orange"
class="Orange">Orange</option>
            <option value="Apple"
class="Apple">Apple</option>
            <option value="Leaf"
class="Leaf">Leaf</option>
        </select>
    </li>
    <li></li>
    <li>
        <label id="FontSize"> Font Size : 16 pt</label>
        <input type="button" name="Bigger" id="Bigger"
value="+" />
    </li>

```

```

value="-" />
        <input type="button" name="Smaller" id="Smaller"

    </li>
</ul>
</div>

    <?php include"parts/contact.php" ?>

    <div class="large-panel">
    </div>
    <div class="clear"></div>
</div>
</div>
<div id="footer" data-bottombar role="footer">
    <?php include "parts/Footer.html" ?>
</div>
</body>
</html>

```

Login.php

```
<?php

include_once "sqlConnection/db_connect.php";
include_once "sqlConnection/functions.php";

sec_session_start();

if (login_check($mysqli) == true) {
    $logged = 'in';
} else {
    $logged = 'out';
}
?>

<!DOCTYPE html>

<html>

<head>

    <!-- TITLE FOR THE WEB SITE ---->
    <title>NH Hopkins Website</title>

    <!-- START OF STYLE SHEETS ---->
    <link rel="stylesheet" type="text/css" href="CSS/default.css" >
    <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
    <!-- END OF STYLE SHEETS ---->

    <!-- GOOGLE FONTS ---->
    <link href='http://fonts.googleapis.com/css?family=Tangerine:400,700'
rel='stylesheet' type='text/css'>

    <!-- END GOOGLE FONTS ---->
    <!-- START OF META TAGS ---->
    <meta charset="UTF-8">
```

<meta name="description" content=""><!-- add the description for the website in here this is the description that will be displayed on search engines ---->

<meta name="keywords" content=""><!-- add the keywords you would like users to use when searching for the website on search engines ---->

<meta name="author" content=""><!-- add the name of the author of the website. ---->

<meta name="viewport" content="width=device-width, initial-scale=1">

<!-- END OF META TAGS ---->

<!-- JAVASCRIPT LINKS ---->

<script src="js/cookie.js"></script>

<script src="js/fontsize.js"></script>

<script src="js/bgColourChange.js"></script>

<script type="text/javascript"></script>

</head>

<body>

<div id="top-bar">

<?php include"parts/Nav.html" ?>

</div>

<div id="container">

<div id="content">

<div id="Title">

<h1>WebSite Development</h1>

</div>

<div id="SocialMediaBar">

<ul class="SocialMedia">

<a

href="https://www.youtube.com/channel/UCQPIVS4KZQBoCJXymVr9bPw"

```
target="_new"></a></li>
```

```
</ul>
```

```
</div>
```

```
<ul id="AccessibilityUI">
```

```
<li>Colour Overlay :
```

```
<select runat="server" id="ColourChange">
```

```
<option value="Default"
```

```
class="Default">Default</option>
```

```
<option value="Aqua"
```

```
class="Aqua">Aqua</option>
```

```
<option value="Purple"
```

```
class="Purple">Purple</option>
```

```
<option value="Neutral"
```

```
class="Neutral">Neutral</option>
```

```
<option value="Magenta"
```

```
class="Magenta">Magenta</option>
```

```
<option value="Blue"
```

```
class="Blue">Blue</option>
```

```
<option value="Lilac"
```

```
class="Lilac">Lilac</option>
```

```
<option value="Rose"
```

```
class="Rose">Rose</option>
```

```
<option value="Turquoise"
```

```
class="Turquoise">Turquoise</option>
```

```
<option value="Yellow"
```

```
class="Yellow">Yellow</option>
```

```
<option value="Orange"
```

```
class="Orange">Orange</option>
```

```
<option value="Apple"
```

```
class="Apple">Apple</option>
```

```
<option value="Leaf"
```

```
class="Leaf">Leaf</option>
```

```
</select>
```

```
</li>
```

```
<li>||</li>
```

```
<li>
```

Nigel Hopkins (30026387)

```

        <label id="FontSize"> Font Size : 16 pt</label>
        <input type="button" name="Bigger" id="Bigger"
value="+" />
        <input type="button" name="Smaller" id="Smaller"
value="-" />
    </li>
</ul>

</div>

<?php
    if(login_check($mysqli) == true) {
        include"parts/LoginLandingPage.php";
    } else {
        include"parts/login.php";
    }

?>

```

```

    </div>
</div>
<div id="footer" data-bottombar role="footer">
    <?php include "parts/Footer.html" ?>
</div>
</body>
</html>

```

register.php

```

<?php
include_once "sqlConnection/register.inc.php";
include_once "sqlConnection/functions.php";
include_once "sqlConnection/db_connect.php";

```

Nigel Hopkins (30026387)

```

?>
<!DOCTYPE html>
<html>
<head>
    <!-- TITLE FOR THE WEB SITE -->
    <title>NH Hopkins Website</title>
    <!-- START OF STYLE SHEETS -->
    <link rel="stylesheet" type="text/css" href="CSS/default.css" >
    <link rel="stylesheet" type="text/css" href="CSS/login.css" >
    <script type="text/JavaScript" src="js/sha512.js"></script>
    <script type="text/JavaScript" src="js/forms.js"></script>
    <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
    <!-- END OF STYLE SHEETS -->
    <!-- GOOGLE FONTS -->
    <link href='http://fonts.googleapis.com/css?family=Tangerine:400,700'
rel='stylesheet' type='text/css'>

    <!-- END GOOGLE FONTS -->
    <!-- START OF META TAGS -->
    <meta charset="UTF-8">
    <meta name="description" content=""><!-- add the description for the website in
here this is the description that will be displayed on search engines -->
    <meta name="keywords" content=""><!-- add the keywords you would like users
to use when searching for the website on search engines -->
    <meta name="author" content=""><!-- add the name of the author of the website. -
--->
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- END OF META TAGS -->
    <!-- JAVASCRIPT LINKS -->
    <script src="js/cookie.js"></script>
    <script src="js/fontsize.js"></script>
    <script src="js/bgColourChange.js"></script>

```

Nigel Hopkins (30026387)


```

        <script type="text/javascript"></script>
</head>
<body>
    <div id="top-bar">
        <?php include"parts/Nav.html" ?>
    </div>
    <div id="container">
        <div id="content">
            <div id="Title">
                <h1>WebSite Development</h1>
            </div>
            <div id="SocialMediaBar">
                <ul class="SocialMedia">
                    <li><a
href="https://www.facebook.com/nigel.hopkins.355" target="_new"></a></li>
                    <li><a
href="https://www.linkedin.com/hp/?dnr=FgyjRUh34LGprRqNFgvCRj8MNLGYTu4_674Z
" target="_new"></a></li>
                    <li><a
href="https://www.youtube.com/channel/UCQPIVS4KZQBoCJXymVr9bPw"
target="_new"></a></li>
                </ul>
            </div>
            <div id="AccessibilityUI">
                <li>Colour Overlay : <select runat="server"
id="ColourChange">
                    <option value="Default"
class="Default">Default</option>
                    <option value="Aqua"
class="Aqua">Aqua</option>

```

```

class="Purple">Purple</option>
class="Neutral">Neutral</option>
class="Magenta">Magenta</option>
class="Blue">Blue</option>
class="Lilac">Lilac</option>
class="Rose">Rose</option>
class="Turquoise">Turquoise</option>
class="Yellow">Yellow</option>
class="Orange">Orange</option>
class="Apple">Apple</option>
class="Leaf">Leaf</option>
</select>
</li>
<li>||</li>
<li> Font Size :</li>
<li id="FontSize">16 pt</li>
<li><input type="button" name="Bigger"
id="Bigger" value="+" /></li>
<li><input type="button" name="Smaller"
id="Smaller" value="-" /></li>
</ul>

```

```

</div>

```

```

<div id="Login">

```

```

    <form action="<?php echo
esc_url($_SERVER['PHP_SELF']); ?>" method="post" name="registration_form">

```

Nigel Hopkins (30026387)

```

        <ul>
            <li><label>Email: </label><input
type="email" name="email" id="email" class="input"/></li>
            <li><label>Pin: </label><input
type="text" name="pin" id="pin" class="input"/></li>
            <li><label>Password: </label><input
type="password" name="password" id="password" class="input"/></li>
            <li><label>Confirm: </label><input
type="password" name="confirmpwd" id="confirmpwd" class="input"/></li>
            <li><input id="Register" type="button"
value="Set Password"
                                onclick="return
regformhash(this.form,
                                this.form.email,
                                this.form.pin,
                                this.form.password,
                                this.form.confirmpwd);" class="login" /> </li>
            <li> &nbsp; </li>
        </ul>
    </form>

</div>
</div>
</div>
<div id="footer" data-bottombar role="footer">
    <?php include "parts/Footer.html" ?>
</div>
</body>
</html>

```

PHP Include Pages

Nav.html

```
<?php
include_once 'sqlConnection/db_connect.php';
include_once 'sqlConnection/functions.php';
?>
<!DOCTYPE html>
<html>
    <head>
        <title>Navigation</title>
        <link rel="stylesheet" type="text/css" href="CSS/navigation.css" >
        <link rel="stylesheet" type="text/css" href="CSS/component.css" >
        <script src="../js/modernizr.custom.js"></script>
        <script language="javascript" type="text/javascript">
            var eventFired = 0;

            if ($(window).width() < 1028) {
                $('#NavUI').css('display','none');
            }
            else {
                $('#NavUI').css('display','block');
                eventFired = 1;
            }

            $(window).on('resize', function() {
                if ($(window).width() < 1028) {
                    $('#NavUI').css('display','none');
                } else {
                    $('#NavUI').css('display','block');
                }
            });
```

```

</script>
</head>
<body>
    <div id="Nav">
        <button type="button" name="Menu" id="Menu" value="Menu">
            <span>Menu</span>
            <span class="MenuIcon"> &nbsp; &nbsp; </span>
            <script>
                $('#Menu').click(function(){
                    if ( $('#NavUI').css('display') == 'none' )
                        $('#NavUI').css('display','block');
                    else
                        $('#NavUI').css('display','none');
                });
            </script>
        </button>
        <div id="NavUI">
            <ul class="NavUI">
                <li><a href="index.php">Home</a></li>
                <li><a href="Shop.php?p=Cart">Shop</a>
                <li><a href="Portfolio.php">Portfolio</a></li>
                <li><a href="Contact.php">Contact</a></li>
                <li>
                    <?php if (login_check($mysqli) == true) : ?>
                        <button type="button" name="Logon"
id="logon" onclick="window.location.href=Login.php">
                            <span>Members Area</span>
                        </button>
                    <?php else : ?>
                        <button type="button" name="Logon"
id="logon" onclick="window.location.href=Login.php">
                            <span>Logon</span>

```

```

        </button>
    <?php endif; ?>
</li>
<li>
    <button type="button" name="ShoppingCart"
id="ShoppingCart" onclick="window.location.href='Shop.php?p=ViewCart'">
        <span>Shopping Cart</span>
        <span class="CartIcon"> &nbsp; &nbsp; </span>
    </button>
</li>
</ul>
</div>
</div>
</body>
</html>

```

slider.html

```

<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Responsive Slider with Float Text - Jssor Slider, Carousel, Slideshow</title>
    <link rel="stylesheet" type="text/css" href="CSS\slider.css" >
</head>
<body>
    <script type="text/javascript" src="js/jquery-1.9.1.min.js"></script>
    <!-- use jssor.slider.mini.js (40KB) instead for release -->
    <!-- jssor.slider.mini.js = (jssor.js + jssor.slider.js) -->
    <script type="text/javascript" src="js/jssor.js"></script>
    <script type="text/javascript" src="js/jssor.slider.js"></script>
    <script type="text/javascript" src="js/SliderSetup.js"></script>
</script>

```

```

</script>

<div style="display: block; margin: 0px auto 0px auto; padding: 0px 5px 5px 10px; width:
96%;height:300px; max-width:940px; min-width: 240px;">

<!-- Jssor Slider Begin -->

<!-- You can move inline styles to css file or css block. -->

<div id="slider2_container" style="position: relative; margin: 0px 5px 5px 0px; float:
left; top: 0px; left: 0px; width: 100%;
height: 300px; overflow: hidden;">

<!-- Slides Container -->

<div u="slides" style="cursor: move; position: absolute; left: 0px; top: 0px; width:
947px; height: 300px;
overflow: hidden;">

<div>
</div>

<div>
</div>

<div>
</div>

<div>
</div>

</div>

</div>

<!-- Jssor Slider End -->

</div>
</body>
</html>

```

Footer.html

```

<div id="FooterContainer">

<p>Designed and created by N.H Website Designs &copy;
2014</p>

</div>

```

portfolio.php

```
<!DOCTYPE html>
<html>
    <head>
        <title>MiniCart</title>
        <link rel="stylesheet" type="text/css" href="CSS/portfolio.css" >
        <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
    </head>
    <body>
        <h1>Portfolio</h1>

        <div id="CompletedWorks">
            <h3>Completed Work</h3>
            <div class="tag">
                The websites in this section contains all the paid for website I designed
                and coded with either by my self or in conjunction with another web developer.
            </div>
            <a href="http://www.stivescarpentry.co.uk/">
                <div class="WebSitePreview">
                    
                    <span>St Ives Carpentry</span>
                </div>
            </a>
            <a href="http://www.stivescarpentry.co.uk/">
                <div class="WebSitePreview">
                    
                    <span>Gauge Gallery</span>
                </div>
            </a>
        </div>
```



```
<div class="Acknowledgement">The two website above where designed and
developed in partnership with Chris Tomlinson</div>
```

```
<div id="CompletedWorks">
```

```
<h3>Current Projects</h3>
```

```
<div class="tag">
```

involved in

```
</div>
```

```
<a href="#">
```

```
<div class="WebSitePreview">
```

```

```

```
<span>Update Coming soon</span>
```

```
</div>
```

```
</a>
```

```
<a href="#">
```

```
<div class="WebSitePreview">
```

```

```

```
<span>Update Coming soon</span>
```

```
</div>
```

```
</a>
```

```
</div>
```

```
</body>
```

```
</html>
```

contact.php

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>MiniCart</title>
```

```
<link rel="stylesheet" type="text/css" href="CSS/contact.css" >
```

```
<script
```

```
src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
```

```
</head>
```

```

<body>

    <div id="Contact">
        <div id="Container">
            <div class="label">
                <h3>
                    <a href="tel:07828609117">Tel :
07828609117</a></h3>
                </div>
                <div class="label">
                    <form name="contactform" method="post"
action="mailto://nigel.hopkins@hotmail.co.uk">
                        <ul>
                            <li><label id="EmailAddress">Email
Address : </label><input type="email" name="email" id="email" /></li>
                            <li><label id="MessageSent">Message :
</label><br> <textarea id="message" name="message" ></textarea></li>
                            <li><button type="submit" class="Send"
value="Send" name="submit">Send</button></li>
                            <li><div style="clear:both;"></div></li>
                        </ul>
                    </form>
                </div>
            </div>
        </div>
    </div>

</body>
</html>

```

Shopping Cart Code

Cart.php

```

<?php
session_name("Cart");
session_name("Login");

```

```

include_once "parts/Cart/CartConfig.php";
?>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>Shopping Cart</title>
<link href="CSS/style.css" rel="stylesheet" type="text/css">
</head>

<body>
<div id="products-wrapper">
    <h1>Products</h1>
    <div class="products">

        <?php
            //current URL of the Page. cart_update.php redirects back to this URL
            $current_url =
            base64_encode($url="http://".$_SERVER['HTTP_HOST'].$_SERVER['REQUEST_URI']);

            $results = $mysqli->query("SELECT * FROM products ORDER BY id ASC");
            if ($results) {

                //fetch results set as object and output HTML
                while($obj = $results->fetch_object())
                {
                    echo '<div class="product">';
                    echo '<form method="post" action="parts/Cart/cart_update.php">';
                    echo '<div class="product-thumb"><img alt="'.$obj->product_img_name.'" src="img/CartItems/'.$obj->product_img_name.'"></span></a><a

```

```

href="Demo/'.preg_replace('/\s+/', ' ', $obj->product_name).'/index.html"
target=new><span><center>Demo</center></span></a></div>';

    echo '<div class="product-content"><h3>'.$obj->product_name.'</h3>';
    echo '<div class="product-desc">'.$obj->product_desc.'</div>';
        echo '<div style="clear:both;"> &nbsp; </div>';
    echo '<div class="product-info">';
        echo 'Price ' . $currency . $obj->price . ' | ';
    echo 'Qty <input type="text" name="product_qty" value="1" id="input" /><br><br>';
        echo '<button class="add_to_cart">Add To Cart</button>';
        echo '</div></div>';

    echo '<input type="hidden" name="product_code" value="'. $obj->product_code . '" />';
    echo '<input type="hidden" name="type" value="add" />';
        echo '<input type="hidden" name="return_url" value="'. $current_url . '"
/>';

    echo '</form>';

        echo '<div style="clear:both;"> &nbsp; </div>';
    echo '</div>';
}

}

?>

</div>

```

```

<div class="shopping-cart">
    <h2>Your Shopping Cart</h2>
    <?php
        if(isset($_SESSION["products"]))
        {
            $total = 0;
            echo '<ol>';
            foreach ($_SESSION["products"] as
$cart_itm)

```

```

        echo '<li class="cart-itm">';
        echo '<span class="remove-itm"><a
href="parts/Cart/cart_update.php?removep='.$scart_itm["code"].'&return_url='.$current_url.'"
>&times;</a></span>';

        echo '<h3>'.$scart_itm["name"].'</h3>';
        echo '<div class="p-code">P code :

'.$scart_itm["code"].'</div>';

        echo '<div class="p-qty">Qty :

'.$scart_itm["qty"].'</div>';

        echo '<div class="p-price">Price

:'.$currency.$scart_itm["price"].'</div>';

        echo '</li>';
        $subtotal =
($scart_itm["price"]*$scart_itm["qty"]);

        $total = ($total + $subtotal);
    }

    echo '</ol>';

    echo '<span class="check-out-
txt"><strong>Total : '.$currency.$total.'</strong> <a href="Shop.php?p=ViewCart">Check-
out!</a></span>';

    echo '<span class="empty-cart"><a
href="cart_update.php?emptycart=1&return_url='.$current_url.'">Empty Cart</a></span>';

    }else{
        echo 'Your Cart is empty';
    }

    ?>

</div>

</div>

</body>

</html>

cart_update.php

<?php
session_start();

```

```

include_once "CartConfig.php";

//empty cart by distroying current session
if(isset($_GET["emptycart"]) && $_GET["emptycart"]==1)
{
    $return_url = base64_decode($_GET["return_url"]); //return url
    session_destroy();
    header('Location:'.$return_url);
}

//add item in shopping cart
if(isset($_POST["type"]) && $_POST["type"]=="add")
{
    $product_code = filter_var($_POST["product_code"],
FILTER_SANITIZE_STRING); //product code
    $product_qty = filter_var($_POST["product_qty"],
FILTER_SANITIZE_NUMBER_INT); //product code
    $return_url = base64_decode($_POST["return_url"]); //return url

    //limit quantity for single product
    if($product_qty > 10){
        die('<div align="center">This demo does not allowed more than 10
quantity!<br /><a href="http://sanwebe.com/assets/paypal-shopping-cart-integration/">Back
To Products</a>.</div>');
    }

    //MySql query - get details of item from db using product code
    $results = $mysqli->query("SELECT product_name,price FROM products WHERE
product_code='$product_code' LIMIT 1");
    $obj = $results->fetch_object();

    if ($results) { //we have the product info

        //prepare array for the session variable
        Nigel Hopkins (30026387)
        [101]

```

```

        $new_product = array(array('name'=>$obj->product_name,
'code'=>$product_code, 'qty'=>$product_qty, 'price'=>$obj->price));

        if(isset($_SESSION["products"])) //if we have the session
        {

            $found = false; //set found item to false

            foreach ($_SESSION["products"] as $cart_itm) //loop through session
array
            {

                if($cart_itm["code"] == $product_code){ //the item exist in
array
                    $product[] = array('name'=>$cart_itm["name"],
'code'=>$cart_itm["code"], 'qty'=>$product_qty, 'price'=>$cart_itm["price"]);
                    $found = true;

                }else{

                    //item doesn't exist in the list, just retrieve old info and
prepare array for session var
                    $product[] = array('name'=>$cart_itm["name"],
'code'=>$cart_itm["code"], 'qty'=>$cart_itm["qty"], 'price'=>$cart_itm["price"]);
                }
            }

            if($found == false) //we didn't find item in array
            {

                //add new user item in array
                $_SESSION["products"] = array_merge($product,
$new_product);

            }else{

                //found user item in array list, and increased the quantity
                $_SESSION["products"] = $product;

```

```

    }

    }else{
        //create a new session var if does not exist
        $_SESSION["products"] = $new_product;
    }

}

//redirect back to original page
header('Location:'.$return_url);
}

//remove item from shopping cart
if(isset($_GET["removep"]) && isset($_GET["return_url"]) &&
isset($_SESSION["products"]))
{
    $product_code      = $_GET["removep"]; //get the product code to remove
    $return_url        = base64_decode($_GET["return_url"]); //get return url

    foreach ($_SESSION["products"] as $cart_itm) //loop through session array var
    {
        if($cart_itm["code"]!=$product_code){ //item does,t exist in the list
            $product[] = array('name'=>$cart_itm["name"],
            'code'=>$cart_itm["code"], 'qty'=>$cart_itm["qty"], 'price'=>$cart_itm["price"]);
        }

        //create a new product list for cart
        $_SESSION["products"] = $product;
    }
}

```



```
        //redirect back to original page
        header('Location:'.$return_url);
    }
?>
```

CartConfig.php

```
<?php

$currency = '£'; //Currency sumbol or code


$db_username = 'Owner';

$db_password = 'S8h462NGcUJbNDSu';

$db_name = 'websitedevelopment';

$db_host = 'localhost';

$mysqli = new mysqli($db_host, $db_username, $db_password,$db_name);

?>
```

view_cart.php

```
<?php
session_name("Cart");
include_once "CartConfig.php";
?>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<title>View shopping cart</title>

<link href="CSS/style.css" rel="stylesheet" type="text/css"></head>
```

```

<body>
<div id="products-wrapper">
  <h1>View Cart</h1>
  <div class="view-cart">
    <?php
      $current_url =
base64_encode($url="http://".$_SERVER['HTTP_HOST'].$_SERVER['REQUEST_URI']);
      if(isset($_SESSION["products"]))
      {
        $total = 0;
        echo '<form method="post" action="Shop.php?p=Payment">';
        echo '<ul>';
        $cart_items = 0;
        foreach ($_SESSION["products"] as $cart_itm)
        {
          $product_code = $cart_itm["code"];
          $results = $mysqli->query("SELECT product_name,product_desc, price
FROM products WHERE product_code='$product_code' LIMIT 1");
          $obj = $results->fetch_object();

          echo '<li class="cart-itm">';
          echo '<span class="remove-itm"><a
href="Parts/Cart/cart_update.php?removep='.$cart_itm["code"].'&return_url='.$current_url.'"
>&times;</a></span>';
          echo '<div class="p-price">'.$currency.$obj->price.'</div>';
          echo '<div class="product-info">';
          echo '<h3>'.$obj->product_name.' (Code :'.$product_code.'</h3> ';
          echo '<div class="p-qty">Qty : '.$cart_itm["qty"].'</div>';
          echo '<div>'.$obj->product_desc.'</div>';
          echo '</div>';
          echo '</li>';

          $subtotal = ($cart_itm["price"]*$cart_itm["qty"]);
          $total = ($total + $subtotal);

```

```

        echo '<input type="hidden" name="item_name['.$cart_items.']"
value="'. $obj->product_name.'" />';

        echo '<input type="hidden" name="item_code['.$cart_items.']"
value="'. $product_code.'" />';

        echo '<input type="hidden" name="item_desc['.$cart_items.']"
value="'. $obj->product_desc.'" />';

        echo '<input type="hidden" name="item_qty['.$cart_items.']"
value="'. $cart_itm["qty"].'" />';

        $cart_items ++;

    }

    echo '</ul>';

    echo '<span class="check-out-txt">';
    echo '<strong>Total : ' . $currency . $total . '</strong> ';

    echo '</span>';
    echo '</form>';

} else {

    echo 'Your Cart is empty';

}

?>
</div>

<a href="Shop.php?p=Cart" style="float:left;margin-
top:5px;padding:0px;"><button>Back</button></a>

<div style="float:right;margin-right:-20px;margin-top:5px;padding:0px;"><?php echo
'<input type="submit" width="150" value="Pay Now" />'; ?></div>

</div>

</body>

</html>

```

Paypal Express Checkout

Cancel_url.html

Cancelled

paypal.class

<?php

class MyPayPal {

```
function PPHttpPost($methodName_, $nvpStr_, $PayPalApiUsername,
$PayPalApiPassword, $PayPalApiSignature, $PayPalMode) {

    // Set up your API credentials, PayPal end point, and API version.
    $API_UserName = urlencode($PayPalApiUsername);
    $API_Password = urlencode($PayPalApiPassword);
    $API_Signature = urlencode($PayPalApiSignature);

    $paypalmode = ($PayPalMode=='sandbox') ? '.sandbox' : '';

    $API_Endpoint = "https://api.sandbox".$paypalmode.".paypal.com";
    $version = urlencode('109.0');

    // Set the curl parameters.
    $ch = curl_init();
    curl_setopt($ch, CURLOPT_URL, $API_Endpoint);
    curl_setopt($ch, CURLOPT_VERBOSE, 1);

    // Turn off the server and peer verification (TrustManager Concept).
    curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, FALSE);
    curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, FALSE);

    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
    curl_setopt($ch, CURLOPT_POST, 1);
```

```

        // Set the API operation, version, and API signature in the request.

        $nvpreq =
"METHOD=$methodName_&VERSION=$version&PWD=$API_Password&USER=$API_
UserName&SIGNATURE=$API_Signature$nvpreqStr_";

        // Set the request as a POST FIELD for curl.

        curl_setopt($ch, CURLOPT_POSTFIELDS, $nvpreq);

        // Get response from the server.

        $httpResponse = curl_exec($ch);

        if(!$httpResponse) {

            exit("$methodName_ failed:
".curl_error($ch).(''.curl_errno($ch).'));

        }

        // Extract the response details.

        $httpResponseAr = explode("&", $httpResponse);

        $httpParsedResponseAr = array();
        foreach ($httpResponseAr as $i => $value) {
            $tmpAr = explode("=", $value);
            if(sizeof($tmpAr) > 1) {
                $httpParsedResponseAr[$tmpAr[0]] = $tmpAr[1];
            }
        }

        if((0 == sizeof($httpParsedResponseAr)) || !array_key_exists('ACK',
$httpParsedResponseAr)) {

            exit("Invalid HTTP Response for POST request($nvpreq) to
$API_Endpoint.");

        }

        return $httpParsedResponseAr;

```

```

    }

}

?>

process.php

<?php
session_start();

include_once("Parts/Cart/CartConfig.php");
include_once("Parts/Cart/paypal-express-checkout/paypal.class.php");

$PayPalMode      = 'sandbox'; // sandbox or live
$PayPalApiUsername = 'nigel.hopkins460_api1.live.cornwall.ac.uk'; //PayPal API Username
$PayPalApiPassword = 'Q4EUYART23K2QM83'; //Paypal API password
$PayPalApiSignature = 'An5ns1Kso7MWUdW4ErQKJJJ4qi4-AvGnu7Pz2AbhSqgfbpOldv7EQi4a'; //Paypal API Signature
$PayPalCurrencyCode = 'GBP'; //Paypal Currency Code
$PayPalReturnURL = 'http://yoursite.com/paypal/process.php'; //Point to process.php page
$PayPalCancelURL = 'http://yoursite.com/paypal/cancel_url.php'; //Cancel URL if user
clicks cancel

$paypalmode = 'sandbox';

if($_POST) //Post Data received from product list page.
{
    //Other important variables like tax, shipping cost
    $TotalTaxAmount = 2.58; //Sum of tax for all items in this order.
    $HandalingCost = 2.00; //Handling cost for this order.
    $InsuranceCost = 1.00; //shipping insurance cost for this order.
    $ShippinDiscount = -3.00; //Shipping discount for this order. Specify this as
negative number.

```

\$ShippinCost = 3.00; //Although you may change the value later, try to pass in a shipping amount that is reasonably accurate.

//we need 4 variables from product page Item Name, Item Price, Item Number and Item Quantity.

//Please Note : People can manipulate hidden field amounts in form,

//In practical world you must fetch actual price from database using item id.

//eg : \$ItemPrice = \$mysqli->query("SELECT item_price FROM products WHERE id = Product_Number");

\$paypal_data =";

\$ItemTotalPrice = 0;

foreach(\$_POST['item_name'] as \$key=>\$itmname)

{

\$product_code = filter_var(\$_POST['item_code'][\$key],
FILTER_SANITIZE_STRING);

\$results = \$mysqli->query("SELECT product_name, product_desc, price
FROM products WHERE product_code='\$product_code' LIMIT 1");

\$obj = \$results->fetch_object();

\$paypal_data .= '&L_PAYMENTREQUEST_0_NAME'.\$key.'='.urlencode(\$obj->product_name);

\$paypal_data .=
'&L_PAYMENTREQUEST_0_NUMBER'.\$key.'='.urlencode(\$_POST['item_code'][\$key]);

\$paypal_data .= '&L_PAYMENTREQUEST_0_AMT'.\$key.'='.urlencode(\$obj->price);

\$paypal_data .= '&L_PAYMENTREQUEST_0_QTY'.\$key.'='.
urlencode(\$_POST['item_qty'][\$key]);

// item price X quantity

\$subtotal = (\$obj->price*\$_POST['item_qty'][\$key]);

//total price

\$ItemTotalPrice = \$ItemTotalPrice + \$subtotal;

```

        //create items for session
        $paypal_product['items'][] = array('itm_name'=>$obj->product_name,

        'itm_price'=>$obj->price,

        'itm_code'=>$_POST['item_code'][$key],

        'itm_qty'=>$_POST['item_qty'][$key]

        );
    }

    //Grand total including all tax, insurance, shipping cost and discount
    $GrandTotal = ($ItemTotalPrice + $TotalTaxAmount + $HandalingCost +
    $InsuranceCost + $ShippinCost + $ShippinDiscount);

    $paypal_product['assets'] = array('tax_total'=>$TotalTaxAmount,

    'handaling_cost'=>$HandalingCost,

    'insurance_cost'=>$InsuranceCost,

    'shippin_discount'=>$ShippinDiscount,

    'shippin_cost'=>$ShippinCost,

    'grand_total'=>$GrandTotal);

    //create session array for later use
    $_SESSION["paypal_products"] = $paypal_product;

    //Parameters for SetExpressCheckout, which will be sent to PayPal
    $pdata = '&METHOD=SetExpressCheckout'.

        '&RETURNURL='.urlencode($PayPalReturnURL ).

        '&CANCELURL='.urlencode($PayPalCancelURL).

```



```

'&PAYMENTREQUEST_0_PAYMENTACTION='.urlencode("SALE").
    $paypal_data.
    '&NOSHIPPING=0'. //set 1 to hide buyer's shipping address,
in-case products that does not require shipping

'&PAYMENTREQUEST_0_ITEMAMT='.urlencode($ItemTotalPrice).

'&PAYMENTREQUEST_0_TAXAMT='.urlencode($TotalTaxAmount).

'&PAYMENTREQUEST_0_SHIPPINGAMT='.urlencode($ShippinCost).

'&PAYMENTREQUEST_0_HANDLINGAMT='.urlencode($HandalingCost).

'&PAYMENTREQUEST_0_SHIPDISCAMT='.urlencode($ShippinDiscount).

'&PAYMENTREQUEST_0_INSURANCEAMT='.urlencode($InsuranceCost).
    '&PAYMENTREQUEST_0_AMT='.urlencode($GrandTotal).

'&PAYMENTREQUEST_0_CURRENCYCODE='.urlencode($PayPalCurrencyCode
).

    '&LOCALECODE=GB'. //PayPal pages to match the language
on your website.

    '&LOGOIMG=http://www.sanwebe.com/wp-
content/themes/sanwebe/img/logo.png'. //site logo

    '&CARTBORDERCOLOR=FFFFFF'. //border color of cart

    '&ALLOWNOTE=1';

//We need to execute the "SetExpressCheckout" method to obtain paypal
token

$paypal= new MyPayPal();

$httpParsedResponseAr = $paypal->PPHttpPost('SetExpressCheckout',
$padata, $PayPalApiUsername, $PayPalApiPassword, $PayPalApiSignature, $PayPalMode);

//Respond according to message we receive from Paypal

if("SUCCESS" == strtoupper($httpParsedResponseAr["ACK"]) ||
"SUCCESSWITHWARNING" == strtoupper($httpParsedResponseAr["ACK"]))

```

```

        {
            //Redirect user to PayPal store with Token received.
            $paypalurl ='https://www'.$paypalmode.'.paypal.com/cgi-
bin/webscr?cmd=_express-checkout&token='.$httpParsedResponseAr["TOKEN"].";
            header('Location: '.$paypalurl);
        }
    else
    {
        //Show error message
        echo '<div style="color:red"><b>Error :
</b>'.urlencode($httpParsedResponseAr["L_LONGMESSAGE0"]).'</div>';
        echo '<pre>';
        print_r($httpParsedResponseAr);
        echo '</pre>';
    }
}

//Paypal redirects back to this page using ReturnURL, We should receive TOKEN and Payer
ID
if(isset($_GET["token"]) && isset($_GET["PayerID"]))
{
    //we will be using these two variables to execute the "DoExpressCheckoutPayment"
    //Note: we haven't received any payment yet.

    $token = $_GET["token"];
    $payer_id = $_GET["PayerID"];

    //get session variables
    $paypal_product = $_SESSION["paypal_products"];
    $paypal_data = "";
    $ItemTotalPrice = 0;

```

```

foreach($paypal_product['items'] as $key=>$p_item)
{
    $paypal_data .= '&L_PAYMENTREQUEST_0_QTY'.$key.'=' .
urlencode($p_item['itm_qty']);

    $paypal_data .=
'&L_PAYMENTREQUEST_0_AMT'.$key.'=' .urlencode($p_item['itm_price']);

    $paypal_data .=
'&L_PAYMENTREQUEST_0_NAME'.$key.'=' .urlencode($p_item['itm_name']);

    $paypal_data .=
'&L_PAYMENTREQUEST_0_NUMBER'.$key.'=' .urlencode($p_item['itm_code']);

    // item price X quantity

    $subtotal = ($p_item['itm_price']*$p_item['itm_qty']);

    //total price
    $ItemTotalPrice = ($ItemTotalPrice + $subtotal);
}

$padata =      '&TOKEN=' .urlencode($token).
                '&PAYERID=' .urlencode($payer_id).

                '&PAYMENTREQUEST_0_PAYMENTACTION=' .urlencode("SALE").
                $paypal_data.

                '&PAYMENTREQUEST_0_ITEMAMT=' .urlencode($ItemTotalPrice).

                '&PAYMENTREQUEST_0_TAXAMT=' .urlencode($paypal_product['assets']['tax_to
tal']).

                '&PAYMENTREQUEST_0_SHIPPINGAMT=' .urlencode($paypal_product['assets']['
shippin_cost']).

                '&PAYMENTREQUEST_0_HANDLINGAMT=' .urlencode($paypal_product['assets'
]['handaling_cost']).

                '&PAYMENTREQUEST_0_SHIPDISCAMT=' .urlencode($paypal_product['assets']['
shippin_discount']).

```

```
'&PAYMENTREQUEST_0_INSURANCEAMT='.urlencode($paypal_product['assets']
['insurance_cost']).
```

```
['&PAYMENTREQUEST_0_AMT='.urlencode($paypal_product['assets']['grand_total
']).
```

```
['&PAYMENTREQUEST_0_CURRENCYCODE='.urlencode($PayPalCurrencyCode
);
```

//We need to execute the "DoExpressCheckoutPayment" at this point to Receive payment from user.

```
$paypal= new MyPayPal();
```

```
$httpParsedResponseAr = $paypal->PPHttpPost('DoExpressCheckoutPayment',
$padata, $PayPalApiUsername, $PayPalApiPassword, $PayPalApiSignature, $PayPalMode);
```

```
//Check if everything went ok..
```

```
if("SUCCESS" == strtoupper($httpParsedResponseAr["ACK"]) ||
"SUCCESSWITHWARNING" == strtoupper($httpParsedResponseAr["ACK"]))
{
```

```
    echo '<h2>Success</h2>';
```

```
    echo 'Your Transaction ID :
.urldecode($httpParsedResponseAr["PAYMENTINFO_0_TRANSACTIONID"]);
```

```
    /*
```

is complete.

approve the transaction

```
    */
```

```
    if('Completed' ==
$httpParsedResponseAr["PAYMENTINFO_0_PAYMENTSTATUS"])
```

```
    {
```

```
        echo '<div style="color:green">Payment Received!
Your product will be sent to you very soon!</div>';
```

Nigel Hopkins (30026387)

```

    }

    elseif('Pending' ==
$httpParsedResponseAr["PAYMENTINFO_0_PAYMENTSTATUS"])
    {
        echo '<div style="color:red">Transaction Complete, but
payment is still pending! '.
            'You need to manually authorize this payment in your
<a target="_new" href="http://www.paypal.com">Paypal Account</a></div>';
    }

    // we can retrieve transection details using either
GetTransactionDetails or GetExpressCheckoutDetails

    // GetTransactionDetails requires a Transaction ID, and
GetExpressCheckoutDetails requires Token returned by SetExpressCheckOut

    $pdata =      '&TOKEN='.urlencode($token);
    $paypal= new MyPayPal();

    $httpParsedResponseAr = $paypal-
>PPHttpPost('GetExpressCheckoutDetails', $pdata, $PayPalApiUsername,
$PayPalApiPassword, $PayPalApiSignature, $PayPalMode);

    if("SUCCESS" ==
strtoupper($httpParsedResponseAr["ACK"]) || "SUCCESSWITHWARNING" ==
strtoupper($httpParsedResponseAr["ACK"]))
    {

        echo '<br /><b>Stuff to store in database :</b><br />';

        echo '<pre>';
        /*
        ##### SAVE BUYER INFORMATION IN
DATABASE ###

        //see (http://www.sanwebe.com/2013/03/basic-php-
mysqli-usage) for mysqli usage

        //use urldecode() to decode url encoded strings.

```

```

        $buyerName =
urldecode($httpParsedResponseAr["FIRSTNAME"]);
urldecode($httpParsedResponseAr["LASTNAME"]);

        $buyerEmail =
urldecode($httpParsedResponseAr["EMAIL"]);

        //Open a new connection to the MySQL server

        $mysqli = new
mysqli('host','username','password','database_name');

        //Output any connection error
        if ($mysqli->connect_error) {
            die('Error : ('. $mysqli->connect_errno .') '.
$mysqli->connect_error);
        }

        $insert_row = $mysqli->query("INSERT INTO
BuyerTable

        (BuyerName,BuyerEmail,TransactionID,ItemName,ItemNumber,
ItemAmount,ItemQTY)

        VALUES

        ('$buyerName','$buyerEmail','$transactionID','$ItemName','$ItemNumber,
$ItemTotalPrice,$ItemQTY)");

        if($insert_row){
            print 'Success! ID of last inserted record is : '
.$mysqli->insert_id .'<br />';
        }else{
            die('Error : ('. $mysqli->errno .') '. $mysqli-
>error);
        }

        */

        echo '<pre>';

```

```

        print_r($httpParsedResponseAr);
        echo '</pre>';
    } else {
        echo '<div style="color:red"><b>GetTransactionDetails
failed:</b>'.urlencode($httpParsedResponseAr["L_LONGMESSAGE0"]).'</div>';
        echo '<pre>';
        print_r($httpParsedResponseAr);
        echo '</pre>';

    }

}

} else {
    echo '<div style="color:red"><b>Error :
</b>'.urlencode($httpParsedResponseAr["L_LONGMESSAGE0"]).'</div>';
    echo '<pre>';
    print_r($httpParsedResponseAr);
    echo '</pre>';

}

}

?>

```

Members Area Code

login.php

```

<?php
include_once 'sqlConnection/db_connect.php';
include_once 'sqlConnection/functions.php';

if (login_check($mysqli) == true) {
    $logged = 'in';
} else {
    $logged = 'out';
}

```

?>

<!DOCTYPE html>

<html>

<head>

<title>MiniCart</title>

<link rel="stylesheet" type="text/css" href="CSS/login.css" >

<script

src="http://ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>

<script type="text/JavaScript" src="js/sha512.js"></script>

<script type="text/JavaScript" src="js/forms.js"></script>

</head>

<body>

<div id="Login">

<div class="LoginError">

<?php

if (isset(\$_GET['error'])) {

echo '<p class="error">Error Logging In! </p>';

}

?>

</div>

<form action="sqlConnection/process_login.php" method="post"
name="login_form">

<label>Email: </label>

<input type="text" name="email" id="email" class="input" />

<label>Password: </label>

<input type="password"

name="password"

id="password" class="input" />

<input type="button"

value="Login"


```

        class="login"
        onclick="formhash(this.form, this.form.password);" /> </li>
    </ul>
</form>
</div>
</body>
</html>

```

LoginLandingPage.php

```

<?php

include_once "sqlConnection/db_connect.php";

include_once "sqlConnection/functions.php";

$Name = $_SESSION['user_id'];

include_once "parts/dbReader.php";

// Include database connection and functions here. See 3.1.

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

```

<title>Secure Login: Protected Page</title>

<link rel="stylesheet" href="CSS/LoggedIn.css" />

</head>

<body>

<div id="Welcome">

<p>Welcome <?php echo \$FirstName. " " . \$LastName; ?>!</p>

</div>

<div id="MemberAreaNav">

<form>

<button type="button"
onclick="window.location.href='Login.php?p=WebsitePreview'">Website
Preview</button>

<button type="button"
onclick="window.location.href='Login.php?p=Upload'">Upload Files</button>

<button type="button"
onclick="window.location.href='Login.php?p=MyAccount'">My Account</button>

<button type="button"
onclick="window.location.href='sqlConnection/logout.php'">Logout</button>

</form>

```
</div>
```

```
<div id="Container">
```

```
<div id="area">
```

```
<div id="area">
```

```
<?php
```

```
if (isset($_GET['p']))
```

```
{
```

```
switch($_GET['p']) { //switch is just like a bunch of if()s
```

```
    default: //default case
```

```
    case 'default': //default case
```

```
        include('parts/WebsitePreview.php'); //include
```

page.html

```
        break; //break, witch means stop
```

```
    case 'Upload': // Viewcart, if changePage has the value of
```

ViewCart

```
        include('parts/Upload.php'); //include view_cart.php
```

```
        break; //stop it
```

```
    case 'MyAccount' :
```

```
        include('parts/MyAccount.php');

        break;

    case 'Payment': // payments page

        include('parts/Payments.php');

        break;

    } //end the switch

}

else

{

    include('parts/WebsitePreview.php');

}

?>

<?php

?>

</div>

</div>
```

</div>

</body>

</html>

WebsitePreview.php

<?php

```
$file_html = "parts/UserArea/".$FirstName.$LastName."/index.html";
```

```
$file_php = "parts/UserArea/".$FirstName.$LastName."/index.php";
```

```
$file_htm = "parts/UserArea/".$FirstName.$LastName."/index.htm";
```

```
if (file_exists($file_html)) {
```

```
    $file_x = $file_html;
```

```
} else if (file_exists($file_php)) {
```

```
    $file_x = $file_php;
```

```
} else if (file_exists($file_htm)) {
```

```
    $file_x = $file_htm;
```

```
}
```

```
?>
```

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Secure Login: Protected Page</title>

<link rel="stylesheet" href="css/LoggedIn.css" />

</head>

```

<body>

    <div id="Container">

        <div id="area">

            <div id="area">

                <iframe src="<?php echo $file_x ?>"
width=100% height="500" ></iframe>

            </div>

        </div>

    </div>

</div>

```

```

</body>

```

```

</html>

```

Upload.php

```

<?php
require_once "phpuploader/include_phpuploader.php" ;
require_once "parts/dbReader.php" ;
?>

<!DOCTYPE html>

<html>

    <head>

        <meta charset="UTF-8">

        <title>Secure Login: Protected Page</title>

    </head>

    <body>

        <div id="Container">

            <div id="area">

                <div id="area">

                    <div class="large-panel">

                        <hr>

                        <h3>Upload Rules:</h3>

```

Please use this area to upload any file that will be required to complete the build.

Please note due to security reasons this upload will not except any file type with the extension of .exe

```
<div class="clear"> &nbsp; </div>

<hr>

</div>

<div id="Uploader">
<?php
    $uploader=new PhpUploader();
    $uploader->MultipleFilesUpload=true;
    $uploader->InsertText="Select multiple files
(Max 1000M)";

    $uploader->MaxSizeKB=1024000;
    $uploader-
>AllowedFileExtensions="*.jpg,*.png,*.gif,*.bmp,*.txt,*.zip,*.rar,*.pdf,*.doc,*.pub";
    $uploader-
>SaveDirectory="parts/UserArea/".$FirstName.$LastName."/img";
    $uploader->FlashUploadMode="Partial";
    $uploader->Render();
?>
</div>

<script type='text/javascript'>
    function
CuteWebUI_AjaxUploader_OnTaskComplete(task)
    {
        var
div=document.createElement("DIV");

        var link=document.createElement("A");

        link.setAttribute("href","Parts/UserArea/"<?php $FirstName.$LastName
?>"/img/"+task.FileName);

        link.innerHTML="You have uploaded
file : savefiles/"+task.FileName;

        link.target="_blank";
```



```

<div id="area">
    <h1>My Account</h1>

    <?php
        echo '<table>';
        echo '<th>Details</th>';
        echo '<tr><td>Company Name

: </td><td>' . $CompanyName . '</td></tr>';

        echo '<tr><td>First Name

: </td><td>' . $FirstName . '</td></tr>';

        echo '<tr><td>Last Name

: </td><td>' . $LastName . '</td></tr>';

        </td><td> &nbsp; </td></tr>';

        </th><td> &nbsp; </td></tr>';

        : </td><td>' . $PhoneNumber . '</td></tr>';

        : </td><td>' . $email . '</td></tr>';

        </td><td></td></tr>';

        ' <tr><th>Address</th><td></td></tr>';

        : </td><td>' . $BuildingNumber . '</td></tr>';

        : </td><td>' . $StreetName . '</td></tr>';

        : </td><td>' . $City . '</td></tr>';

        : </td><td>' . $County . '</td></tr>';

        : </td><td>' . $PostalCode . '</td></tr>';

        echo '<tr><td>Building Number

        echo '<tr><td>Street Name

        echo '<tr><td>City

        echo '<tr><td>County

        echo '<tr><td>Post Code

        echo '</table>';
    ?>

```

```

        </div>
    </div>

</div>

</body>
</html>

```

dbReader.php

```

<?php

$Id = htmlentities($_SESSION['user_id']);

// Create connection
$conn = $mysqli = new mysqli(HOST, USER, PASSWORD, DATABASE);

// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}

$sql = "SELECT id, username, email, CompanyName, FirstName, LastName, PhoneNumber,
BuildingNumber, StreetName, City, County, PostalCode FROM members WHERE
id='".$_.$Id."'";

$result = $conn->query($sql);

if ($result->num_rows > 0) {

    // output data of each row
    while($row = $result->fetch_assoc()) {

        $Id = $row['id'];
    }
}

```

```

$username = $row['username'];
$email = $row['email'];
$CompanyName = $row['CompanyName'];
$FirstName = $row['FirstName'];
$LastName = $row['LastName'];
$PhoneNumber = $row['PhoneNumber'];
$BuildingNumber = $row['BuildingNumber'];
$StreetName = $row['StreetName'];
$City = $row['City'];
$County = $row['County'];
$PostalCode = $row['PostalCode'];
    }

} else {
    echo "0 results";
}
$conn->close();
?>

```

include_phpuploader.php

```

<?php

$PhpUploader_FSEncoding="ISO-8859-1//TRANSLIT";

//$PhpUploader_FSEncoding="utf-8";

$PhpUploader_InternalEncoding="utf-8";

error_reporting(E_ALL ^ E_NOTICE);

if(@$_GET["ContextValue"])
{

```

```

if(!@$_SESSION)
{
    session_id(@$_GET["ContextValue"]);
}
else
{
    echo("Session has started already, unable to set the session id! Please include
uploader before session_start().");
    exit(200);
}
}

```

```

function PhpUploader_GetNamespace()
{
    return "CuteWebUI";
}

```

```

$phpuploader_logstart=false;
function PhpUploader_Log($message)
{
    $logfile="log.txt";

    return;

    //change the $logfile and comment the 'return;' for log

    $h=PhpUploader_FileOpen(__FILE__,__LINE__,$logfile,"a");

    global $phpuploader_logstart;
    if( ! $phpuploader_logstart )
    {
        PhpUploader_FileWrite(__FILE__,__LINE__,$h,"\r\n");
    }
}

```

```

    }

    $phpuploader_logstart=true;

    PhpUploader_FileWrite(__FILE__,__LINE__,$h,$message);
    PhpUploader_FileWrite(__FILE__,__LINE__,$h,"\r\n");
    PhpUploader_FileClose(__FILE__,__LINE__,$h);
}

```

```

function PhpUploader_Unescape($str)
{
    global $PhpUploader_InternalEncoding;

    $str = rawurldecode($str);
    //throw(new Exception( $str ));
    preg_match_all("/(%u[0-9A-Fa-f]{4}|%[^\%]+)/",$str,$r);
    $ar = $r[0];
    foreach($ar as $k=>$v)
    {
        if(strlen($v) == 6 && substr($v,0,2) == "%u")
        {
            if(substr($v,0,4)=="%u00")
            {
                $ar[$k] = iconv("ISO-8859-1",$PhpUploader_InternalEncoding,pack("H2",substr($v,-2)));
            }
            else
            {
                $ar[$k] = iconv("UCS-2",$PhpUploader_InternalEncoding,pack("H4",substr($v,-4)));
            }
        }
    }
}

```

```

    }
}
//throw(new Exception( join("", $ar) ));
return join("", $ar);
}

```

```

function PhpUploader_GetQSD($name)
{
    $val=@$_GET[$name];
    if(!$val)
        return null;
    $val=str_replace("\\", "", $val);
    return PhpUploader_Unescape($val);
}

```

```

function PhpUploader_GetFileName($file)
{
    $str=PhpUploader_GetQSD("_VFN");
    if($str)
    {
        if(substr($str,0,1)==".")
            $str="uploadedfile"+$str;
        return $str;
    }
    return $file["name"];
}

```

```

function PhpUploader_GetBaseName($path)
{
    if(strpos($path, "\0"))throw (new Exception("Invalid path !!"));
    $path=str_replace("\\", "/", $path);
    $p=strrpos($path, "/");

```

```

        if($p)
        {
            $path=substr($path,$p+1);
        }
        return $path;
    }

```

```

function PhpUploader_MoveUploadedFile($_file,$_line,$src,$dst)
{
    global $PhpUploader_FSEncoding;
    global $PhpUploader_InternalEncoding;

    if(!PhpUploader_FileExists($src))
        throw(new Exception("File not exists : $src , at $_file line $_line"));

    $er=error_reporting(0);

    $re=move_uploaded_file(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$src),iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$dst));
    error_reporting($er);
    if($re===false)
    {
        $le=error_get_last();
        throw(new Exception($le["message"] . " , failed to move $src to $dst' , at $_file line $_line"));
    }
    return $re;
}

```

```

function PhpUploader_FileExists($path)
{

```

```

        global $PhpUploader_FSEncoding;
        global $PhpUploader_InternalEncoding;

        return
file_exists(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$path));
    }
function PhpUploader_GetFiles($_file,$_line,$pattern)
{
    global $PhpUploader_FSEncoding;
    global $PhpUploader_InternalEncoding;

    $er=error_reporting(0);
    $re=glob(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$pattern));
    error_reporting($er);
    if(!$re)
        return array();
    $l=count($re);
    for($i=0;$i<$l;$i++)
    {
        $re[$i]=iconv($PhpUploader_FSEncoding,$PhpUploader_InternalEncoding,$re[$i]);
    }
    return $re;
}
function PhpUploader_MakeDir($_file,$_line,$dir,$flag)
{
    global $PhpUploader_FSEncoding;
    global $PhpUploader_InternalEncoding;

    $dir=iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$dir);
    $er=error_reporting(0);
    $re=mkdir($dir,$flag);

```



```

        error_reporting($er);
        if($re===false)
        {
            $le=error_get_last();
            throw(new Exception($le["message"] . " , failed to make dir '$dir' , at $_file
line $_line"));
        }
        return $re;
    }
function PhpUploader_Copy($_file,$_line,$src,$dst)
{
    global $PhpUploader_FSEncoding;
    global $PhpUploader_InternalEncoding;

    $er=error_reporting(0);
    $re=copy(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$src),ic
onv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$dst));
    error_reporting($er);
    if($re===false)
    {
        $le=error_get_last();
        throw(new Exception($le["message"] . " , failed to copy $src to $dst' , at $_file
line $_line"));
    }
    return $re;
}
function PhpUploader_Move($_file,$_line,$src,$dst)
{
    global $PhpUploader_FSEncoding;
    global $PhpUploader_InternalEncoding;

    PhpUploader_Log("Move From $src");
    PhpUploader_Log("Move To $dst");

```

```

        $er=error_reporting(0);

        $re=rename(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$src
),iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$dst));

        error_reporting($er);

        if($re===false)
        {
            $le=error_get_last();

            throw(new Exception($le["message"] . " , failed to move $src to $dst' , at
$_file line $_line"));
        }

        return $re;
    }

function PhpUploader_FileTime($_file,$_line,$file)
{
    global $PhpUploader_FSEncoding;

    global $PhpUploader_InternalEncoding;

    return
filemtime(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$file));
}

function PhpUploader_Delete($_file,$_line,$file)
{
    global $PhpUploader_FSEncoding;

    global $PhpUploader_InternalEncoding;

    $er=error_reporting(0);

    $re=unlink(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$file)
);

    error_reporting($er);

    if($re===false)
    {
        $le=error_get_last();

        throw(new Exception($le["message"] . " , failed to delete $file' , at $_file line
$_line"));
    }

```

```

    }
    return $re;
}

function PhpUploader_FileOpen($_file,$_line,$filepath,$flag)
{
    global $PhpUploader_FSEncoding;
    global $PhpUploader_InternalEncoding;

    $er=error_reporting(0);
    $re=fopen(iconv($PhpUploader_InternalEncoding,$PhpUploader_FSEncoding,$filepath), $flag);
    error_reporting($er);
    if($re===false)
    {
        $le=error_get_last();
        throw(new Exception($le["message"] . " , failed to open $filepath' , at $_file
line $_line"));
    }
    return $re;
}

function PhpUploader_FileRead($_file,$_line,$handle,$len)
{
    return fread($handle,$len);
}

function PhpUploader_FileWrite($_file,$_line,$handle,$data)
{
    return fwrite($handle,$data);
}

function PhpUploader_FileClose($_file,$_line,$handle)
{
    return fclose($handle);
}

```

```

function PhpUploader_JSEncode($str)
{
    $str=str_replace("\\", "\\\\", $str);
    $str=str_replace("", "\\x27", $str);
    $str=str_replace("\"", "\\\"", $str);
    $str=str_replace("\r", "\\r", $str);
    $str=str_replace("\n", "\\n", $str);
    return $str;
}

function PhpUploader_GetGuid($str)
{
    if(!preg_match("/^[0-9A-F]{8}-[0-9A-F]{4}-[0-9A-F]{4}-[0-9A-F]{4}-[0-9A-F]{12}$/i", $str))
        throw(new Exception("Invalid Guid : " . $str));
    return $str;
}

function PhpUploader_CreateGuid()
{
    //this is windows only?
    //return PhpUploader_GetGuid(substr(com_create_guid(),1,36));

    return preg_replace_callback("/X/", create_function("", 'return
substr("0123456789ABCDEF", rand(0,15),1);'), "XXXXXXXX-XXXX-XXXX-XXXX-
XXXXXXXXXXXXXXXX");
}

function PhpUploader_ParseByteSetting($val) {
    $val = trim($val);
    $last = strtolower($val[strlen($val)-1]);
    switch($last) {

```

```

        // The 'G' modifier is available since PHP 5.1.0
        case 'g':
            $val *= 1024;
        case 'm':
            $val *= 1024;
        case 'k':
            $val *= 1024;
    }

    return $val;
}

function PhpUploader_GetSystemTempFolder()
{
    $str=ini_get('upload_tmp_dir');
    if($str==null||strlen($str)==0)
    {
        $str="/tmp";
        if(!is_dir($str))
        {
            $str=dirname(__FILE__);
        }
    }
    else
    {
        if(!is_dir($str))
        {
            $result= PhpUploader_MakeDir(__FILE__,__LINE__,$str,0777);
            if(!$result)
            {
                throw(new Exception("The folder $str does not exist. Please
check the permission or specify a temp folder using TempDirectory property."));
            }
        }
    }
}

```

```

        }
    }
}

if (substr($str,strlen($str)-(1))!="/")
    $str=$str."/";
$str=$str."uploadertemp";

if (!is_dir($str))
{
    $result= PhpUploader_MakeDir(__FILE__,__LINE__,$str,0777);
    if(!$result)
    {
        throw(new Exception("Unable to create temp folder: $str Please check
the permission or specify a temp folder using TempDirectory property."));
    }
}

return $str;
}

class PhpUploader
{
    /**
     * *****\
     *
     * PROPERTIES
     *
     * \*****/

    /// Gets or sets the maximum allowed size of the file, in KB.
    public $MaxSizeKB=-1;

    ///Set to "Http" or "Partial"
    public $FlashUploadMode;

```

```

    ///server ability , this value is get from upload_max_filesize
    ///when FlashUploadMode=="Http" , limit the file size to this value
    public $MaxHttpSizeKB=-1;

    ///when FlashUploadMode=="Partial" , limit the file size to this value
    public $MaxPartialSizeKB=102400;

    /// Gets or sets the allowed file extensions for uploading.
    /// <value>A comma-separated list of allowed extensions</value>
    public $AllowedFileExtensions="";

    /// <summary>
    /// Gets or sets the current file name filter string, which determines the choices that
    appear in the file browser dialog box.
    /// Please note that only ValidateOption.AllowedFileExtensions property determine
    the allowed file extensions for uploading.
    /// </summary>
    /// <remarks>
    /// <p>For each filtering option, the filter string contains a description of the filter,
    followed by the vertical bar (|) and the filter pattern. The strings for different filtering options
    are separated by the vertical bar. <br />
    /// </p>
    /// <p>The following is an example of a filter string:<br />
    /// </p>
    /// <p>Text files (*.txt)|*.txt|All files (*.*)|*.* <br />
    /// </p>
    /// <p>You can add several filter patterns to a filter by separating the file types with
    semicolons, for example: <br />
    /// </p>
    /// <p>Image Files(*.BMP;*.JPG;*.GIF)|*.BMP;*.JPG;*.GIF|All files (*.*)|*.* </p>
    /// </remarks>
    public $DialogFilter;

```

```

public $UploadCursor="Auto";

/// Gets or sets the insert text.
public $InsertText="Upload files";

/// It allows the developers specify a server control to use as the insert button of ajax
uploader.
public $InsertButtonID;

/// It allows the developers specify a server control to use as the cancel button of ajax
uploader.
public $CancelButtonID;

/// It allows the developers specify a server control to show the progress text of ajax
uploader.
public $ProgressTextID;

/// It allows the developers specify a server control to use as the progress control of
ajax uploader.
public $ProgressCtrlID;

/// Gets or sets a value indicating whether the progress bar is displayed.
public $ShowProgressBar=true;

/// Gets or sets a value indicating whether the progress information is displayed when
uploading.
public $ShowProgressInfo=true;

/// The global type of upload method to use.
/// Auto|IFrame|Flash|Silverlight
public $UploadType="Auto";

/// Gets or sets a boolean indicating whether Uploader automatically starts uploading
as soon as a user selects a file.

```



```
public $ManualStartUpload=false;
```

```
/// Gets or sets a boolean indicating whether Uploader should render a browse button  
for FireFox/Opera in Iframe Mode.
```

```
public $ShowFrameBrowseButton=false;
```

```
/// If true, the users are able to select multiple files in the file browser dialog then  
upload them at once.
```

```
public $MultipleFilesUpload=false;
```

```
/// Gets or sets the maximum number of files that can be uploaded.
```

```
public $MaxFilesLimit=-1;
```

```
///Specifies the number of files when the CancelAll button appears
```

```
public $NumFilesShowCancelAll=2;
```

```
/// set a special page for Flash - Integrated Windows Authentication
```

```
public $FlashUploadPage;
```

```
/// JavaScript code that be executed when the browse button be clicked.
```

```
public $ButtonOnClickScript;
```

```
/// Gets or sets the progress text template.
```

```
/// %P% = percent,%T% = seconds remain,%F% = filename. %SEND% = uploaded  
size , %SIZE% = file size , %KBPS% means KB/s , %KBPS% = B/s
```

```
/// For example : %F%.. %P% %SEND%/ %SIZE% , %KBPS% , %T% seconds left.
```

```
public $ProgressTextTemplate;
```

```
/// Gets or sets the "Cancel all Uploads" message.
```

```
public $CancelAllMsg="Cancel all Uploads";
```

```
/// Gets or sets the "Cancel upload" message.
```

```

public $CancelUploadMsg="Cancel upload";

/// Gets or sets the "upload is processing" message.
public $UploadProcessingMsg;

/// Gets or sets the "File too large" message.
public $FileTooLargeMsg;

/// Gets or sets the "maximum number of files" message.
public $MaxFilesLimitMsg;

/// Gets or sets the message for windows file browse dialog 32K file name length
limitation.
public $WindowsDialogLimitMsg;

/// Gets or sets the "file type not support" message.
public $FileTypeNotSupportMsg;

/// Gets or sets the "Uploading.." message.
public $UploadingMsg="Uploading..";

/// Gets or sets the FlashWarning Image.
public $FlashWarningImage;

/// The width of the Progress Panel. Default is 360.
public $ProgressPanelWidth=360;

/// The height of the Progress bar. Default is 20.
public $ProgressBarHeight=20;

public $ProgressInfoStyle="padding-left:3px;font:normal 12px Tahoma;";

```

```

/// Continuous|Blocks
public $ProgressBarStyle="Continuous";

/// Gets or sets the background image for the ProgressBar control.
public $ProgressBarBackgroundImage;

/// Specifies the border style for the ProgressBar control.
public $ProgressBarBorderStyle="border-style:solid;border-width:1px;border-
style:#444444;";

/// Gets or sets a progress fill picture for the ProgressBar control.
public $ProgressPicture;

/// Sets or retrieves the appearance of the file input control.
public $InputboxCSSText="";

/// Specifies where AjaxUploader should put the temporary files.
public $TempDirectory;

public $SaveDirectory;

public $ResourceHandler;
public $UploadUrl;
public $LicenseUrl;

function SetAttribute($name,$value)
{
    $this->$name=$value;
}

function GetAttribute($name)

```

```

{
    return $this->$name;
}

//__set/__get do not intercept the public fields
function __set($propname,$propvalue)
{
    $this->SetAttribute($propname,$propvalue);
}
function __get($propname)
{
    return $this->GetAttribute($propname);
}

var $_preprocessed=false;
var $_isverify=false;
var $_isiframemode=false;
var $_isaddonupload=false;
var $_fileguid=null;
var $_filevalidating=null;

function PhpUploader()
{
    $this->Name="AjaxUploaderFiles";

    $cd=dirname($this->GetWebPath(__FILE__));

    $this->ResourceDirectory="$cd/resources";
    $this->ResourceHandler="$cd/ajaxuploaderresource.php";
    $this->UploadUrl="$cd/ajaxuploaderhandler.php";

```

```

        //$this->TempDirectory=dirname(dirname(__FILE__)) . "/uploadertemp";
        //do not set it here ! may get exception !
        //$this->TempDirectory=PhpUploader_GetSystemTempFolder();

        $upload_max_filesize=PhpUploader_ParseByteSetting(ini_get('upload_max_filesize'))
    );

        $post_max_size=PhpUploader_ParseByteSetting(ini_get('post_max_size'));
        $this->MaxHttpSizeKB=$upload_max_filesize/1024;

        if( $this->MaxHttpSizeKB > 16384 )//16M
        {
            $this->FlashUploadMode="Http";
        }
        else
        {
            $this->FlashUploadMode="Partial";
        }

        if( $this->_IsUploadRequest() )
        {
            $this->Name=$_GET["_UploadControlID"];
            $this->PreProcessRequest();
        }
    }

    function GetWebPath($pfile)
    {
        $scriptfile=@$_SERVER['SCRIPT_FILENAME'];
        if(!$scriptfile)$scriptfile=$_SERVER['ORIG_SCRIPT_FILENAME'];
    }

```

```

$ppath=$scriptfile;
$vpath=$_SERVER['SCRIPT_NAME'];

$ppath=str_replace("//","/",str_replace("\\","/",$ppath));
$vpath=str_replace("//","/",str_replace("\\","/",$vpath));
$pfile=str_replace("//","/",str_replace("\\","/",$pfile));

$lfile=strtolower($pfile);
$lpath=strtolower($ppath);

$l=min(strlen($pfile),strlen($ppath));
for($i=0;$i<strlen($pfile);$i++)
{
    if(substr($lfile,$i,1)!=substr($lpath,$i,1))
    {
        $vroot=substr($vpath,0,strlen($vpath)-(strlen($ppath)-$i));
        return $vroot . substr($pfile,$i);
    }
}

function Render()
{
    try
    {
        echo $this->GetString();
    }
    catch(Exception $x)
    {
        echo("Error:" . $x->getMessage());
        exit(200);
    }
}

```

```

    }
}

function GetString()
{
    $this->Maintain();

    $this->SaveSecuritySettings();

    $resourcehandler=$this->ResourceHandler;
    $code="";

    if($this->SaveDirectory)
    {
        if(!$this->AllowedFileExtensions)
        {
            $code.="<div style='font-weight:bold;color:red;font-
size:16px;'>";

            $code.="When using SaveDirectory property, you must specify
AllowedFileExtensions for security purpose.";

            $code.="</div>";
        }
    }

    if(!$this->InsertButtonID)
    {
        $code.="<button id='" . $this->Name . "Button' onclick='return
false;'>" . $this->InsertText . "</button>";
    }

    $code.="<input type='hidden' id='" . $this->Name . "' name='" . $this->Name .
"' autocomplete='off' />";

```

```
$code.="<script type='text/javascript'
src='$resourcehandler?type=script'></script>";
```

```
$code.="<img id='" . $this->Name . "_Loader' UniqueID='" . $this->Name . "'
";
```

```
$code.=" Namespace='".PhpUploader_GetNamespace()."'
UploadModuleNotInstall='1' ServerLang='PHP'
src='$resourcehandler?type=file&file=continuous.gif";
```

```
if(!$this->InsertButtonID)
```

```
{
```

```
    $code.=" InsertButtonID='" . $this->Name . "Button";
```

```
}
```

```
$code.=$this->_GenerateAttribute("ResourceDirectory");
```

```
$code.=$this->_GenerateAttribute("ResourceHandler");
```

```
$code.=$this->_GenerateAttribute("UploadUrl");
```

```
$code.=$this->_GenerateAttribute("InsertButtonID");
```

```
$code.=$this->_GenerateAttribute("CancelButtonID");
```

```
$code.=$this->_GenerateAttribute("ProgressTextID");
```

```
$code.=$this->_GenerateAttribute("ProgressCtrlID");
```

```
$code.=$this->_GenerateAttribute("AllowedFileExtensions");
```

```
$code.=$this->_GenerateAttribute("AllowedFileRegExp");
```

```
if($this->FlashUploadMode=="Partial")
```

```
{
```

```
    $code.=" FlashLoadMode='1'";
```

```
    $code.=$this->_GenerateAttribute("MaxPartialSizeKB");
```

```
}
```



```

//$code.=$this->_GenerateAttribute("FlashUploadMode");

$code.=$this->_GenerateAttribute("MaxHttpSizeKB");

if($this->MaxSizeKB>0)$code.=$this->_GenerateAttribute("MaxSizeKB");

if($this->MaxFilesLimit>0)$code.=$this->_GenerateAttribute("MaxFilesLimit");

$code.=$this->_GenerateAttribute("LicenseUrl");

$code.=$this->_GenerateAttribute("FileTypeNotSupportMsg");
$code.=$this->_GenerateAttribute("FileTooLargeMsg");
$code.=$this->_GenerateAttribute("MaxFilesLimitMsg");
$code.=$this->_GenerateAttribute("WindowsDialogLimitMsg");
$code.=$this->_GenerateAttribute("CancelUploadMsg");
$code.=$this->_GenerateAttribute("CancelAllMsg");
$code.=$this->_GenerateAttribute("UploadingMsg");
$code.=$this->_GenerateAttribute("UploadProcessingMsg");
$code.=$this->_GenerateAttribute("FlashWarningImage");
$code.=$this->_GenerateAttribute("FlashUploadPage");
$code.=$this->_GenerateAttribute("DialogFilter");
$code.=$this->_GenerateAttribute("UploadCursor");
$code.=$this->_GenerateAttribute("ButtonOnClickScript");
$code.=$this->_GenerateAttribute("UploadType");
$code.=$this->_GenerateAttribute("ManualStartUpload","bool");
$code.=$this->_GenerateAttribute("ShowFrameBrowseButton","bool");
$code.=$this->_GenerateAttribute("MultipleFilesUpload","bool");
$code.=$this->_GenerateAttribute("ShowProgressBar","bool");
$code.=$this->_GenerateAttribute("ShowProgressInfo","bool");

$code.=$this->_GenerateAttribute("NumFilesShowCancelAll");

```

```

$code.=$this->_GenerateAttribute("ProgressTextTemplate");

$code.=$this->_GenerateAttribute("ProgressPanelWidth");
$code.=$this->_GenerateAttribute("ProgressBarHeight");
$code.=$this->_GenerateAttribute("ProgressInfoStyle");
$code.=$this->_GenerateAttribute("ProgressBarStyle");
$code.=$this->_GenerateAttribute("ProgressBarBackgroundImage");
$code.=$this->_GenerateAttribute("ProgressPicture");
$code.=$this->_GenerateAttribute("ProgressBarBorderStyle");

//TODO:Opera!!

$code.=" onload='this.style.display=&quot;none&quot;;
".PhpUploader_GetNamespace()."_AjaxUploader_Initialize(this.id);' onerror='this.onload()'
ContextValue="" .session_id(). "' />";

return $code;
}

function _GenerateAttribute($name,$type=null)
{
    $value=$this->$name;

    if(!$value)return "";

    switch($name)
    {
        case "AllowedFileExtensions":
            $name="Extensions";
            break;
        case "AllowedFileRegExp":
            $name="FileRegExp";
            break;
    }

```

```

        case "ProgressBarWidth":
            $name="PanelWidth";
            break;
        case "ProgressBarHeight":
            $name="BarHeight";
            break;
        case "ProgressBarStyle":
            $name="BarStyle";
            break;
        case "ProgressInfoStyle":
            $name="InfoStyle";
            break;
        case "ProgressBarBackgroundImage":
            $name="BgImage";
            break;
        case "ProgressBarBorderStyle":
            $name="BorderStyle";
            break;
    }

    if($type=="bool")
    {
        $value=$value?"1":"0";
    }

    return " $name='".htmlspecialchars($value,ENT_QUOTES)."'";
}

```

```

function _CheckProcessed()

```

```

{

```

```

    if(!$this->_preprocessed)

```

Nigel Hopkins (30026387)

```

        throw(new Exception("Call PreProcessRequest before access this
member!"));
    }

    function IsValidationRequest()
    {
        $this->_CheckProcessed();
        return $this->_isverify;
    }
    function GetCurrentFileGuid()
    {
        $this->_CheckProcessed();
        return $this->_fileguid;
    }
    function GetValidatingFile()
    {
        if(!$this->_filevalidating)
        {
            if(!$this->IsValidationRequest())
                throw(new Exception("Current request is not validation
request"));
            $this->_filevalidating = $this->_InternalGetFile($this-
>_fileguid,false);
            if(!$this->_filevalidating)
            {
                $dir = $this->InternalGetTempDirectory();
                throw(new Exception("Unable to find file " . $this->_fileguid .
" in $dir"));
            }
        }
        return $this->_filevalidating;
    }
    function GetUploadedFile($guid)

```

```

{
    $guid=PhpUploader_GetGuid($guid);
    return $this->_InternalGetFile($guid,true);
}

function _InternalGetFile($guid,$checkValidated)
{
    $dir = $this->InternalGetTempDirectory();
    $arr=PhpUploader_GetFiles(__FILE__,__LINE__,$dir/*." . $guid . ".*");
    if($arr==null||count($arr)==0)
        return null;

    if( $checkValidated &&
substr(PhpUploader_GetBaseName($arr[0]),0,10)!="persisted.")
        throw(new Exception("This file can not be validated!"));

    $mvcfile=new PhpUploadFile();
    $mvcfile->FileGuid=$guid;
    $mvcfile->FilePath=str_replace("\\","/", $arr[0]);
    $mvcfile->FileSize=filesize($arr[0]);
    $mvcfile->FileName=substr(PhpUploader_GetBaseName($arr[0]),47,-
5);//also remove suffix ".resx"
    return $mvcfile;
}

function InternalGetTempDirectory()
{
    $dir=$this->TempDirectory;
    if($dir==null)
        $dir=PhpUploader_GetSystemTempFolder();
    $dir=str_replace("\\","/", $dir);
    if(substr($dir,strlen($dir)-1,1)=="")
    {
        $dir=substr($dir,0,strlen($dir)-1);
    }
}

```

```

        return $dir;
    }

function Maintain_WithEncode()
{
    $dir = $this->InternalGetTempDirectory();
    $arr=PhpUploader_GetFiles(__FILE__,__LINE__,"$dir/*.resx");
    if($arr==null)return;
    $now=time();
    foreach($arr as $filename)
    {
        $mt=PhpUploader_FileTime(__FILE__,__LINE__,$filename);
        if ( $now - $mt > 18000 ) //5 hours
        {
            PhpUploader_Delete(__FILE__,__LINE__,$filename);
        }
    }
}

function Maintain()
{
    $dir = $this->InternalGetTempDirectory();
    $arr=glob("$dir/*.resx");
    if($arr==null)return;
    $now=time();
    foreach($arr as $filename)
    {
        $mt=filemtime($filename);
        if ( $now - $mt > 18000 ) //5 hours
        {
            unlink($filename);
        }
    }
}

```

```

}

function _SaveSecuritySetting($settingname)
{
    $_SESSION[$this->Name."_val_" . $settingname]=$this->$settingname;
    $_SESSION[$this->Name."_set_" . $settingname]="1";
}

function _LaveSecuritySetting($settingname)
{
    if(@$_SESSION[$this->Name."_set_" . $settingname])
    {
        $this->$settingname=$_SESSION[$this->Name."_val_" .
$settingname];
    }
}

function SaveSecuritySettings()
{
    if(!$_SESSION)session_start();

    $scriptfile=@$_SERVER['SCRIPT_FILENAME'];
    if(!$scriptfile)$scriptfile=$_SERVER['ORIG_SCRIPT_FILENAME'];

    $this->_SourceFileName = $scriptfile;
    $this->_SaveSecuritySetting("_SourceFileName");
    $this->_SaveSecuritySetting("MaxSizeKB");
    $this->_SaveSecuritySetting("AllowedFileExtensions");
    $this->_SaveSecuritySetting("AllowedFileRegExp");
    $this->_SaveSecuritySetting("SaveDirectory");
    $this->_SaveSecuritySetting("TempDirectory");
}

function LoadSecuritySettings()

```

```

{
    if(!@$_SESSION)session_start();

    $this->_LaveSecuritySetting("_SourceFileName");
    $this->_LaveSecuritySetting("MaxSizeKB");
    $this->_LaveSecuritySetting("AllowedFileExtensions");
    $this->_LaveSecuritySetting("AllowedFileRegExp");
    $this->_LaveSecuritySetting("SaveDirectory");
    $this->_LaveSecuritySetting("TempDirectory");
    if(!$this->_SourceFileName)
    {
        throw (new Exception("$this->Name : Session expired! Please refresh
the page and try again."));
    }
}

function _IsUploadRequest()
{
    if(@$_SERVER['REQUEST_METHOD']!="POST")
        return false;

    if(@$_GET['UseUploadModule']==null)
        return false;

    if(@$_GET['_Namespace']!=PhpUploader_GetNamespace())
        return false;

    if(@$_GET['PageUpload']!="1")
        return false;

    return true;
}

```



```

function PreProcessRequest()
{
    $this->_PreProcessRequestInternal();
    if( ! $this->IsValidationRequest() )
        exit(200);
}

function _PreProcessRequestInternal()
{
    if($this->_preprocessed)
        return false;
    $this->_preprocessed=true;

    if( ! $this->_IsUploadRequest() )
        return false;

    if(@$_GET['_GetAddonInfo']=="size")
    {
        //TODO:handle silverlight resume feature.
        exit(404);
    }

    //if(@$_GET['GetUploaderError']=="1")
    //{
    //    exit(404);
    //}

    if(@$_GET['_Addon']=="xhttp")
    {
        $this->_isaddonupload=true;
        try
        {
            PhpUploader_Log("start xhttp upload");
            Nigel Hopkins (30026387)
            [160]

```

```

        $this->LoadSecuritySettings();
        $this->_HandleXhttpUpload();
    }
    catch(Exception $x)
    {
        PhpUploader_Log("Error:" . $x->getMessage());
        exit(200);
    }
    echo("OK");
    exit(200);
}
else if(@$_GET['_Addon']=="upload")
{
    $this->_isaddonupload=true;

    try
    {
        PhpUploader_Log("start addon upload");
        $this->LoadSecuritySettings();
        $this->_HandleAddonUpload();
    }
    catch(Exception $x)
    {
        PhpUploader_Log("Error:" . $x->getMessage());
        echo("Error:" . $x->getMessage());
        exit(200);
    }
    echo("OK");
    exit(200);
}
else
{

```

```

$this->_isverify=true;
try
{
    if(@$_GET['_Addon']==null)
    {
        $this->_isiframemode=true;
        PhpUploader_Log("start iframe upload");
        $this->LoadSecuritySettings();
        $this->_HandleIFrameUpload();
    }
    else
    {
        PhpUploader_Log("start addon verify");
        $this->LoadSecuritySettings();
        $this->_HandleAddonVerify();
    }
}
catch(Exception $x)
{
    PhpUploader_Log("Error:" . $x->getMessage());
    $this->_EndWithUploadError($x->getMessage());
}

}

return true;
}

function _ValidateFile($filename,$filesize)
{
    $this->SecurityCheckFileName($filename);

    $maxsize=$this->MaxSizeKB;

```

```

if($maxsize && $maxsize>0)
{
    if($filesize > $maxsize*1024)
    {
        throw (new Exception("Error:TOOLARGE"));
    }
}

$exts=$this->AllowedFileExtensions;
if($exts)
{
    $exts=preg_replace("/[,;|]/","|",$exts);
    $exts=explode("|",$exts);

    $extension=strtolower(pathinfo($filename,PATHINFO_EXTENSION));
    $found=false;
    foreach($exts as $ext)
    {
        $ext=strtolower(preg_replace("/[\\*\\.]/","", $ext));
        if($ext==$extension)
        {
            $found=true;
            break;
        }
    }
    if(!$found)
    {
        throw (new Exception("Error:INVALIDEXT"));
    }
}
else if(!$this->_SourceFileName)

```

```

        {
            throw (new Exception("$this->Name : Session expired! Please refresh
the page and try again."));
        }

        $fre=$this->AllowedFileRegExp;
        if($fre)
        {
            if(preg_replace("/$fre/", "?", $filename)==$filename){
                throw (new Exception("$filename is not allowed."));
            }
        }

        PhpUploader_Log("Validated : $filename , AllowedFileExtensions : $this-
>AllowedFileExtensions");
    }
    function SecurityCheckFileName($filename)
    {
        //TO LOWER CASE!!
        $filename=strtolower($filename);

        if(strpos($filename, "\0"))
            throw (new Exception("Invalid filename !!"));

        if(strpos($filename, ".php"))
        {
            PhpUploader_Log("try_upload_php_xfile");
            throw(new Exception("(1) fails to upload xfile : " . $filename));
        }
        if(strpos($filename, ".asp"))
        {
            PhpUploader_Log("try_upload_asp_xfile");

```

```

        throw(new Exception("(1) fails to upload xfile : " . $filename));
    }

    $extension=pathinfo($filename,PATHINFO_EXTENSION);
    if($extension=="php")
    {
        PhpUploader_Log("try_upload_php_file");
        throw(new Exception("(1) fails to upload file : " . $filename));
    }
}

```

```

function _HandleXhttpUpload()
{
    $this->_fileguid=PhpUploader_GetGuid($_GET['_AddonGuid']);
    $filedata=$_POST["filedata"];
    $filedata=preg_replace("/[\\-]/","+", $filedata);
    $data=base64_decode($filedata,false);

    $fn=PhpUploader_GetQSD("_PartialFileName");
    $ps=@$_GET["_PartialStart"];

    if(strpos($fn,"\\0"))throw (new Exception("Invalid partial path !!"));

    $existfile=$this->_InternalGetFile($this->_fileguid,false);

    if($ps==0)
    {
        if($existfile)
            throw(new Exception("Guid already exists!"));

        $basename=PhpUploader_GetBaseName($fn);
    }
}

```

```

$this->SecurityCheckFileName($basename);

$dir = $this->InternalGetTempDirectory();
$filepath="$dir/uploading." . $this->_fileguid . "." . $basename .
".resx";

$fh=PhpUploader_FileOpen(__FILE__,__LINE__,$filepath,"x+b");
PhpUploader_FileWrite(__FILE__,__LINE__,$fh,$data);
PhpUploader_FileClose(__FILE__,__LINE__,$fh);

PhpUploader_Log("File Save to : $filepath");
}
else
{
    if(!$existfile)
        throw(new Exception("File not exists!"));
    if($existfile->FileSize!=$ps)
        throw(new Exception("Invalid size ! $ps/" . $existfile-
>FileSize));
    $fh=PhpUploader_FileOpen(__FILE__,__LINE__,$existfile-
>FilePath,"a+b");
    PhpUploader_FileWrite(__FILE__,__LINE__,$fh,$data);
    PhpUploader_FileClose(__FILE__,__LINE__,$fh);

    PhpUploader_Log("File Append to : $existfile->FilePath");
}
}

function _HandleAddonUpload()
{
    $this->_fileguid=PhpUploader_GetGuid($_GET['_AddonGuid']);

    $file="";
    foreach($_FILES as $key => $eachfile)

```

```

        {
            $file=$eachfile;
        }

        if(!$file)
        {
            $inival=ini_get('file_uploads');

            if(!$inival)
                throw(new Exception("Php ini error : make sure 'file_uploads'
is On."));

            $inival=strtolower($inival);
            if( $inival == "off" || $inival=="0" || $inival=="false" || $inival=="no" )
                throw(new Exception("Php ini error : 'file_uploads' is $inival
."));

            throw(new Exception("Php No Request Files"));
        }

        //The PHP will convert '.' to '_'

        $addonpartial=@$_POST[PhpUploader_GetNamespace().".AjaxUploader.Partial"];

        if(!$addonpartial)$addonpartial=@$_POST[PhpUploader_GetNamespace()."_AjaxU
ploaders_Partial"];

        $this->SecurityCheckFileName(PhpUploader_GetFileName($file));

        $existfile=$this->_InternalGetFile($this->_fileguid,false);

        if($addonpartial)
        {
            if($addonpartial=="Start")

```



```

        {
            if($existfile)
                throw(new Exception("Guid Error!$addonpartial"));
            $this->_MoveHttpFile($file,$this->_fileguid);
        }
    else
    {
        if(!$existfile)
            throw(new Exception("File Not Found!"));
        $this->_AppendHttpFile($file,$existfile->FilePath);
    }
}
else
{
    if($existfile)
        throw(new Exception("Guid Error !"));
    $this->_MoveHttpFile($file,$this->_fileguid);
}

}

function _HandleAddonVerify()
{
    $this->_fileguid=PhpUploader_GetGuid($_GET['_AddonGuid']);

    $mvcfile=$this->GetValidatingFile();

    $newname=PhpUploader_GetBaseName(PhpUploader_GetQSD("_VFN"));
    if($newname&&$newname!=$mvcfile->FileName)
    {
        $mvcfile->FileName=$newname;
        $this->_ValidateFile($mvcfile->FileName,$mvcfile->FileSize);
        PhpUploader_Log("UpdateFileName $newname . " . $mvcfile->FilePath);
    }
}

```

```

        $mvcfile->UpdateFileName();
        PhpUploader_Log("UpdateFileName FINISH");
    }
    else
    {
        $this->_ValidateFile($mvcfile->FileName,$mvcfile->FileSize);
    }
}

function _HandleIFrameUpload()
{
    $file="";
    foreach($_FILES as $key => $eachfile)
    {
        $file=$eachfile;
    }
    if(!$file)
    {
        throw(new Exception("No Request Files "));
    }

    $this->_ValidateFile(PhpUploader_GetBaseName(PhpUploader_GetFileName($file)),$file["size"]);
}

    $this->_fileguid=PhpUploader_CreateGuid();

    $this->_MoveHttpFile($file,$this->_fileguid);

    //cache it to $this->_filevalidating
    $mvcfile=$this->GetValidatingFile();
}

```

```

function _MoveHttpFile($file,$guid)
{
    if(!@$file["tmp_name"])
        throw(new Exception("(1) tmp_name is not available for " .
PhpUploader_GetFileName($file)));
    if(!PhpUploader_FileExists($file["tmp_name"]))
        throw(new Exception("(1) tmp_name is not exists " .
$file["tmp_name"]));

    PhpUploader_Log("_MoveHttpFile $file : $guid");

    $this->SecurityCheckFileName(PhpUploader_GetFileName($file));

    $extension=strtolower(pathinfo(PhpUploader_GetFileName($file),PATHINFO_EXT
ENSION));
    if($extension=="php")
    {
        PhpUploader_Log("try_upload_php_file");
        throw(new Exception("(1) fails to upload file : " .
PhpUploader_GetFileName($file)));
    }

    $dir = $this->InternalGetTempDirectory();
    $filepath="$dir/uploading." . $guid . "." .
PhpUploader_GetBaseName(PhpUploader_GetFileName($file)) . ".resx";

    PhpUploader_Log(" to : $filepath");

    //throw(new Exception("Get file ".PhpUploader_GetFileName($file)." -
$filepath"));

    $result=PhpUploader_MoveUploadedFile(__FILE__,__LINE__,$file["tmp_name"],$
filepath);

```

```

        if(!$result)
        {
            throw(new Exception("Unable save file to $filepath"));
        }
    }

function _AppendHttpFile($file,$path)
{
    if(!$file["tmp_name"])
        throw(new Exception("(2) tmp_name is not available for " .
PhpUploader_GetFileName($file)));
    if(!PhpUploader_FileExists($file["tmp_name"]))
        throw(new Exception("(2) tmp_name is not exists " .
$file["tmp_name"]));

    PhpUploader_Log("_AppendHttpFile $file : $path");

    $len=filesize($file["tmp_name"]);
    $src=PhpUploader_FileOpen(__FILE__,__LINE__,$file["tmp_name"],"r");
    $data=PhpUploader_FileRead(__FILE__,__LINE__,$src,$len);
    PhpUploader_FileClose(__FILE__,__LINE__,$src);

    $dsc=PhpUploader_FileOpen(__FILE__,__LINE__,$path,"a");
    PhpUploader_FileWrite(__FILE__,__LINE__,$dsc,$data);
    PhpUploader_FileClose(__FILE__,__LINE__,$dsc);
}

function WriteValidationOK($message)
{
    if(!$message)$message="";

    //change "uploading." to "persisted." :
    $mvcfile=$this->GetValidatingFile();

```

```

        $oldpath=$mvcfile->FilePath;
        if( PhpUploader_FileExists($oldpath) )
        {
            $oldpath=str_replace("\\", "/", $oldpath);
            $bn=PhpUploader_GetBaseName($oldpath);
            if(substr($bn,0,10)=="uploading.")
            {
                $newpath=substr($oldpath,0,-strlen($bn)) . "persisted." .
substr($bn,10);

                PhpUploader_Move(__FILE__,__LINE__,$oldpath,$newpath);
                $mvcfile->FilePath=$newpath;
            }
        }

        $uploadid = $this->_GetAndCheckUploadID();
        echo("<script type='text/javascript'>");

        echo("if(window.parent.CurrentUpload)window.parent.CurrentUpload.UploadOK('" .
$uploadid . "', '" . $this->_fileguid . "', '" . PhpUploader_JSEncode($message) . "')");
        echo("</script>");

        PhpUploader_Log("WriteValidationOK");
    }

    function WriteValidationError($message)
    {
        //Error , delete that file?
        $mvcfile=$this->GetValidatingFile();

        try
        {
            PhpUploader_Delete(__FILE__,__LINE__,$mvcfile->FilePath);

```

```

    }
    catch(Exception $x)
    {
    }

    $uploadid = $this->_GetAndCheckUploadID();
    echo("<script type='text/javascript'>");

    echo("if(window.parent.CurrentUpload)window.parent.CurrentUpload.UploadError("
. $uploadid . "'," . PhpUploader_JSEncode($message) . "')");
    echo("</script>");

    PhpUploader_Log("WriteValidationError $message");
}

function _EndWithUploadError($message)
{
    PhpUploader_Log("_EndWithUploadError $message");

    $uploadid = $this->_GetAndCheckUploadID();
    echo("<script type='text/javascript'>");

    echo("if(window.parent.CurrentUpload)window.parent.CurrentUpload.UploadError("
. $uploadid . "'," . PhpUploader_JSEncode($message) . "')");
    echo("</script>");
    exit(200);
}

function _GetAndCheckUploadID()
{
    $id = @$_GET['_UploadID'];

    if(stripos($id,"<")!=false||stripos($id,">")!=false||stripos($id,"")!=false||stripos($id,"\"")!=false||stripos($id,"\\")!=false)

```

```

        throw(new Exception("Invalid _UploadID"));
    }
    return $id;
}

}

class PhpUploadFile
{
    public $FileGuid;
    public $FileName;
    public $FileSize;
    public $FilePath;
    function UpdateFileName()
    {
        $oldpath=$this->FilePath;
        $bname=PhpUploader_GetBaseName($oldpath);
        $folder=substr($oldpath,0,strlen($oldpath)-strlen($bname));
        $newpath=$folder.substr($bname,0,47).$this->FileName.".resx";
        PhpUploader_Move(__FILE__,__LINE__,$this->FilePath,$newpath);
        $this->FilePath=$newpath;
    }
    function MoveTo($newpath)
    {
        if(is_dir($newpath))
            $newpath=$newpath . "/" . $this->FileName;
        PhpUploader_Move(__FILE__,__LINE__,$this->FilePath,$newpath);
        PhpUploader_Log(" MoveTo $newpath from $this->FilePath");
    }
    function CopyTo($newpath)
    {
        if(is_dir($newpath))
            $newpath=$newpath . "/" . $this->FileName;
    }
}

```

```

        PhpUploader_Copy(__FILE__,__LINE__,$this->FilePath,$newpath);
        PhpUploader_Log(" CopyTo $newpath from $this->FilePath");
    }
    function Delete()
    {
        PhpUploader_Delete(__FILE__,__LINE__,$this->FilePath);
    }
}

```

?>

ajaxuploaderresource.php

```
<?php
```

```
//TODO:write the file with cache header.
```

```
//TODO:case sensitive issue
```

```
$cd = dirname($_SERVER['SCRIPT_NAME'])."/resources";
```

```
$type=$_GET["type"];
```

```
$scriptfile=@$_SERVER['SCRIPT_FILENAME'];
```

```
if(!$scriptfile)$scriptfile=$_SERVER['ORIG_SCRIPT_FILENAME'];
```

```
if($type=="emptyhtml")
```

```
{
```

```
    header("Last-Modified: " . gmdate('D, d M Y H:i:s', time()) . 'GMT');
```

```
    header("Expires: " . gmdate('D, d M Y H:i:s', time() + 2592000) . 'GMT');
```

```
    header("Content-Type: text/html");
```



```

        echo("<html><head><title>EMPTY</title></head><body></body></html>");
        exit(200);
    }
    else if($type=="script")
    {
        header("Content-Type: application/octet-stream");

        readfile(dirname($scriptfile)."/resources/uploader.js");

        ?>

        if(!window.CuteWebUI_AjaxUploader_OnPostback)
        window.CuteWebUI_AjaxUploader_OnPostback=function()
        {
            var uploader=this;
            for(var e=uploader;e!=null;e=e.parentNode)
            {
                if(e.nodeName=="FORM")
                {
                    e.submit();
                    return;
                }
            }
        }

        <?php

    }
    else if($type=="license")
    {
        header("Content-Type: application/octet-stream");

```

```

$licensefile=dirname($scriptfile)."/license/phpuploader.lic";
$size=filesize($licensefile);
$mqr=get_magic_quotes_runtime();
//set_magic_quotes_runtime(0);
$handle=fopen($licensefile,"rb");
$data=fread($handle,$size);
fclose($handle);
//set_magic_quotes_runtime($mqr);
echo(bin2hex($data));
}
else if($type=="serverip")
{
    $ip=@$_SERVER['SER'.VER_AD.DR];
    if($ip==null)$ip=@$_SERVER['LOC'.AL_AD.DR];
    header("Content-Type: text/plain");
    echo($ip);
}
else
{
    $file=$_GET["file"];
    $lower=strtolower($file);
    if($lower=="silverlight.xap"||$lower=="uploader.swf"||$lower=="uploader10.swf")
    {
        //the server may do not understand the xap file
        //show just render it to client directly.
        $filepath=dirname($scriptfile)."/resources/$lower";
        header("Content-Type: application/octet-stream");
        header("Content-Length: " . filesize($filepath) );
        readfile($filepath);
    }
    else if($lower=="continuous.gif"||$lower=="blocks.gif")
    {

```

```

        header("Last-Modified: " . gmdate('D, d M Y H:i:s', time()) . 'GMT');
        header("Expires: " . gmdate('D, d M Y H:i:s', time() + 2592000) . 'GMT');
        header("Cache-Control: public");
        header("Content-Type: image/gif");
        readfile(dirname($scriptfile)."/resources/$file");
    }
    else
    {
        header("Cache-Control: public");
        header("Content-Type: application/octet-stream");
        header("Location: $cd/$file");
    }
}

exit(200);

?>

```

ajxuploaderhandler.php

```
<?php require_once "include_phpuploader.php" ?>
```

```
<?php
```

```
set_time_limit(3600);
```

```
$uploader=new PhpUploader();
```

```
$uploader->PreProcessRequest();
```

```
$mvcfile=$uploader->GetValidatingFile();
```

```
if($mvcfile->FileName=="thisisanotvalidfile")
```

```
{
```

```
    $uploader->WriteValidationError("My custom error : Invalid file name. ");
```

```
    exit(200);
```

```
}
```

```
if( $uploader->SaveDirectory )
```

```
{
```

```
    if(!$uploader->AllowedFileExtensions)
```

```
    {
```

```
        $uploader->WriteValidationError("When using SaveDirectory property, you  
must specify AllowedFileExtensions for security purpose.");
```

```
        exit(200);
```

```
    }
```

```
$cwd=getcwd();
```

```

        chdir( dirname($uploader->_SourceFileName) );
        if( ! is_dir($uploader->SaveDirectory) )
        {
            $uploader->WriteValidationError("Invalid SaveDirectory ! not exists.");
            exit(200);
        }
        chdir( $uploader->SaveDirectory );
        $wd=getcwd();
        chdir($cwd);

        $targetfilepath= "$wd/" . $mvcfile->FileName;
        if( file_exists( $targetfilepath) )
            unlink($targetfilepath);

        $mvcfile->CopyTo( $targetfilepath );
    }

    $uploader->WriteValidationOK("");

?>

```

ajax_fileupload.php

```

<?php
    $str = file_get_contents('php://input');
    echo $filename = md5(time().uniqid()).".jpg";
    file_put_contents("uploads/".$filename,$str);
    // In demo version i delete uplaoded file immideately, Please remove it later
    //unlink("uploads/".$filename);

?>

```

CSS Files

default.css

```

@import url(http://fonts.googleapis.com/css?family=Indie+Flower);
@import url(http://fonts.googleapis.com/css?family=Comfortaa:400,700);
html,
body
{
    font-size: 100%;
    height:100%;
    margin:0px;
    padding:0px;
    font-family: 'Indie Flower', cursive;
}

body
{
    background:rgba(0,122,165,0.5);
    color: #3b3c36;
    cursor: auto;
    font-family: "Helvetica Neue", Helvetica, Roboto, Arial, sans-serif;
    height:100%;
    margin: 0px;
    padding: 0px;
    width:100%;
    font-family: 'Indie Flower', cursive;
}

a:hover
{
    cursor: pointer;
}

.clear

```

```
{  
    clear:both;  
}  
  
/* set up of containers for the content */  
  
#top-bar  
{  
    background:rgba(59,60,54,1);  
    border:0px groove #3b3c36;  
    box-shadow:inset 0 0 3px 1px #000;  
    height:50px;  
    margin:0;  
    padding:0;  
    position:fixed;  
    top:0px;  
    width:100%;  
    z-index:199;  
}
```

```
#container  
{  
    background:#fff;  
    box-shadow:0 0 35px 15px #000;  
    min-height:100%;  
    margin-bottom:50px;  
    margin-left:auto;  
    margin-right:auto;  
    margin-top:0px;  
    width:976px;  
    z-index:1;
```

```
}
```

```
#content
```

```
{
```

```
    margin:0;
```

```
    padding-top:50px;
```

```
    padding-bottom:0px;
```

```
    padding-left:0;
```

```
    padding-right:0;
```

```
    z-index:1;
```

```
}
```

```
#footer
```

```
{
```

```
    background:rgba(59,60,54,1);
```

```
    border:1px dotted #000;
```

```
    bottom:-1px;
```

```
    box-shadow:inset 0 0 3px 1px #000;
```

```
    color:#778ba5;
```

```
    height:50px;
```

```
    margin-top:25px;
```

```
    margin:0;
```

```
    padding:0;
```

```
    position:fixed;
```

```
    text-align:center;
```

```
    width:100%;
```

```
    z-index:99;
```

```
    font-size:100%;
```

```
}
```



```
/* Construction of content within website */
```

```
#Title
```

```
{  
    width:100%;  
    height:auto;  
    position:relative;  
    margin-left:0%;  
    margin-bottom:0px;  
    margin-top:0px;  
    border:0px solid #000;  
    border-bottom:none;  
    z-index:99;  
    border-bottom:1px dotted #000;  
    background:rgba(59,60,54,1);  
}
```

```
#Title h1
```

```
{  
    padding:0px;  
    margin:0px;  
    font-size:400%;  
    line-height:200px;  
    text-align:center;  
    padding-top:0%;  
    color:#778ba5;  
    z-index:199;  
}
```

```
#SocialMediaBar
```

```
{  
    width:100%;
```

```

        height:50px;
        background:rgba(59,60,54,1);
        border:0px groove #3b3c36;
        box-shadow:inset 0 0 3px 1px #000;
        box-shadow: 0 0 25px 10px #000;
        margin-bottom:0px;
        z-index:199;
    }
#Bigger, #Smaller
{
    border:1px solid rgba(119,139,165, 1) ;
    box-shadow:inset 0px 0px 2px 2px  rgba(119,139,165, 0.5);
    background:rgba(119,139,165, 0.5);
    height:35px;
    width:35px;
    padding:0 10px;
    color:#fff;
    font-size:100%;
    font-family: 'Indie Flower', cursive;
    margin-bottom:5px;
}
#Bigger:hover , #Smaller:hover
{
    cursor:pointer;
}

#Bigger:active , #Smaller:active
{
    border:none;
}

```

```
#SocialMedia ul li img{
```

```
    border:0px;
```

```
}
```

```
#SocialMediaBar ul
```

```
{
```

```
    padding:0px;
```

```
    margin:0px;
```

```
    width:100%;
```

```
    height:50px;
```

```
    list-style:none;
```

```
    overflow:hidden;
```

```
    display:inline-block;
```

```
    margin-right:0px;
```

```
    border-bottom:1px dotted #000;
```

```
}
```

```
#SocialMediaBar > ul > li:nth-child(1) > form > label
```

```
{
```

```
    font-size:75%;
```

```
}
```

```
#SocialMediaBar ul li
```

```
{
```

```
    display:inline;
```

```
    color:#778ba5;
```

```
    line-height:50px;
```

```
    padding-left:1%;
```

```
    overflow:hidden;
```

```
    }  
ul#AccessibilityUI li{  
    display:inline-block;  
    list-style:none;  
}  
ul#AccessibilityUI {  
    padding-bottom:0px;  
    margin-bottom:0px;  
    margin-top:10px;  
    text-align:center;  
    padding-left:0px;  
    width:100%;  
    border-bottom:1px dotted #000;  
}
```

```
.Default{  
    background:#fff;  
}
```

```
.Aqua{  
    background:#7EC3EA;  
}
```

```
.Purple{  
    background:#DBB8F6;  
}
```

```
.Neutral{  
    background:#BEB7A7;  
}
```

```
.Magenta{  
    background:#EFA1C9;  
}
```

```
.Blue{
    background:#7C95FA;
}
.Lilac{
    background:#B9A7F4;
}
.Rose{
    background:#F1A99F;
}
.Turquoise{
    background:#75DBC8;
}
.Yellow{
    background:#FEFD7D;
}
.Orange{
    background:#F3C25C;
}
.Apple{
    background:#B3ED77;
}
.Leaf{
    background:#87E994;
}
```

```
.facebook, .LinkedIn, .YouTube
{
    width:50px;
    height:auto;
    padding:0px;
    margin:0px;
    display:inline;
```

```
        border:0px;
    }
```

```
.facebook a, .LinkedIn a, .YouTube a
{
    padding:0px;
    margin:0px;
    border:0px;
}
```

```
form
{
    width:300px;
}
```

```
form input
{
    width:50px;
}
```

```
#Uploader
{
    border:1px groove #000;
    width:60%;
    margin-left:auto;
    margin-right:auto;
    min-height:200px;
    text-align:center;
    padding:15px;
}
```

```
@media(max-width:1028px)
{

    .Hide {
        width:100px;
    }

    #container
    {
        width:100%;
        overflow:hidden;
    }
    ul#AccessibilityUI li{
        display:inline-block;
        font-size:50%;
    }

}
}
```

```
/* Large text panel container */
```

```
.large-panel
{
    margin-left:auto;
    margin-right:auto;
    margin-top:0;
    margin-bottom:0;
    width:95%;
}
```

```
/* styling for the content of the large text panels */
```

```
.large-panel hr
```

```
{  
    margin-bottom:25px;  
    margin-top:25px;  
    clear:both;  
}
```

```
.large-panel h3
```

```
{  
    float:left;  
    height:100%;  
    margin:0;  
    padding:0;  
    text-align:center;  
    width:20%;  
    font-size:150%;  
}
```

```
.large-panel span
```

```
{  
    float:left;  
    padding-right:5px;  
    text-align:justify;  
    width:79%;  
    font-family: 'Comfortaa', cursive;  
    font-size:100%;  
}
```

```
#cookie-law {
```



```
height:100px;
position:fixed;
width:100%;
background:rgba(0,122,165,0.7);
text-align:justify;
color:#fff;
height:auto;
z-index:399;
border:0px groove #3b3c36;
box-shadow:inset 0 0 3px 1px #000
}
```

```
#cookie-law p {
    text-align:center;
}
```

```
#message a , #message a:link, #message a:visited, #message a:active, #message a:hover {
    color:#fff;
    text-decoration:none;
}
```

```
@media(max-width:600px)
{
    #Title
    {
        min-height:150px;
    }

    #Title h1
    {
        font-size:200%;
    }
}
```

```
        line-height:100px;
        padding-top:0px;
        margin-top:0px;
        margin-bottom:25px;
    }
```

```
.large-panel h3
{
    width:100%;
    margin-bottom:15px;
}
```

```
.large-panel span
{
    width:90%;
    float:none;
    margin:0;
    padding:0;
    text-align:justify;
    font-size:100%;
}
```

```
#footer p
{
    font-size:75%;
}
```

```
ul#AccessibilityUI{
    display:inline-block;
    font-size:50%;
}
```

```

}

/* styling for the smaller panels */

.panel-container
{
    width:100%;
    padding:0%;
    margin-left:auto;
    margin-right:auto;
}

.panel-container ul
{
    width:90%;
    height:auto;
    padding:10px 0;
    margin:2% auto;
    list-style:none;
}

.panel-container ul li
{
    width:31.333023735810112%;
    height:auto;
    margin:0% 1%;
    display:inline-block;
    float:left;
    box-shadow:0 0 10px 5px #000;
    background:rgba(0,122,165,0.5);
    border-radius:10px;
}

```

```
.panel-container ul ul
```

```
{  
    padding:0px;  
    margin:0px auto;  
    width:90%;  
    height:auto;  
}
```

```
.panel-container ul ul li:nth-child(2)
```

```
{  
    margin:0;  
    height:auto;  
    padding-bottom:10px;  
}
```

```
.panel-container ul ul li:nth-child(2) span
```

```
{  
    width:100%;  
    height:auto;  
    padding:0 0;  
    margin:0px;  
    font-family: 'Comfortaa', cursive;  
    font-size:50%;  
}
```

```
.panel-container ul ul li
```

```
{  
    width:100%;  
    box-shadow:none;  
    line-height:50px;
```

```
    text-align:center;
    border-bottom:1px solid #000;
    padding:0px;
    margin:0;
    background:none;
    border-radius:0px;
    font-size:150%;
}
```

```
.panel-container > ul > li > ul > li:nth-child(2)
{
    line-height:1em;
    height:1.15px;
    text-align:justify;
}
```

```
.panel-container > ul > li > ul > li:last-child
{
    border-bottom:0px solid #000;
}
```

```
@media(max-width:1028px)
```

```
{
    .panel-container ul li
    {
        width:45%;
    }
}
```

```
.panel-container > ul > li:nth-child(1)
{
    margin-right:4%;
    margin-bottom:25px;
```

```

    }

    .panel-container > ul > li:nth-child(2)
    {
        margin-left:4%;
    }

    .panel-container > ul > li:nth-child(3)
    {
        min-width:100%;
        margin:0;
        margin-left:auto;
        margin-right:auto;
    }
}

@media(max-width:600px)
{
    .panel-container
    {
        padding-left:2px;
    }

    .panel-container ul li
    {
        width:100%;
        margin:0% 0;
    }

    .panel-container > ul > li:nth-child(1), .panel-container > ul > li:nth-child(2)
    {

```

```

        margin-left:0%;
        margin-right:0%;
        margin-bottom:4%;
        margin-top:0%;
    }
}

```

```

.facebook, .LinkedIn, .YouTube
{
    width:50px;
    height:auto;
    padding:0px;
    margin:0px;
    float:right;
    border:0px;
}

```

```

.facebook a, .LinkedIn a, .YouTube a
{
    padding:0px;
    margin:0px;
    border:0px;
}

```

style.css

```

#products-wrapper {
    width: 80%;
    margin-right: auto;
    margin-left: auto;
    font: 80% Arial, Helvetica, sans-serif;
}

.products {

```

```
        width: 60%;
        float:left;
        margin-right: 10px;
    }
    .product {
        margin-bottom: 10px;
        height: auto;
        background: #F0F0F0;
        padding: 10px;
        border: 1px solid #DDD;
        border-radius: 5px;
        box-shadow: 2px 2px 2px #F8F8F8;
    }
```

```
.product form
{
    width:auto;
}
```

```
.product-desc
{
    height:auto;
}
```

```
.product .product-thumb {
    float: left;
    height: 30px;
    width: 100px;
    margin-right: 10px;
}
```



```
.product .product-thumb img {
```

```
    height:auto;
```

```
    width:100%;
```

```
}
```

```
.product .product-content{
```

```
    overflow:hidden;
```

```
    margin:0px;
```

```
    padding:0px;
```

```
}
```

```
.product .product-content h3 {
```

```
    font-size: 110%;
```

```
    margin: 0px;
```

```
    padding: 0px;
```

```
    color: #707070;
```

```
}
```

```
.product .product-info {
```

```
    float: right;
```

```
    width:100%;
```

```
    font-size: 70%;
```

```
    font-weight: bold;
```

```
    margin-top:10px;
```

```
    text-align:right;
```

```
}
```

```
.shopping-cart{
```

```
    width: 30%;
```

```
    float:left;
```

```
    background: #F0F0F0;
```

```
    padding: 10px;
```

```

border: 1px solid #DDD;
border-radius: 5px;

}

.shopping-cart h2 {
    background: #E2E2E2;
    padding: 4px;
    font-size: 90%;
    margin: -10px -10px 5px;
    color: #707070;
}

.shopping-cart h3,.view-cart h3 {
    font-size: 80%;
    margin: 0px;
    padding: 0px;
}

.shopping-cart ol{
    padding: 1px 0px 0px 15px;
}

.shopping-cart .cart-itm, .view-cart .cart-itm{
    border-bottom: 1px solid #DDD;
    font-size: 70%;
    font-family: arial;
    margin-bottom: 5px;
    padding-bottom: 5px;
}

.shopping-cart .remove-itm, .view-cart .remove-itm{
    font-size: 90%;
    float: right;
    background: #D5D5D5;
    padding: 4px;

```

```

        line-height: 8px;
        border-radius: 3px;
    }
    .shopping-cart .remove-itm:hover, .view-cart .remove-itm:hover{
        background: #C4C4C4;
    }
    .shopping-cart .remove-itm a, .view-cart .remove-itm a{
        color: #888;
        text-shadow: 1px 1px 1px #ECECEC;
        text-decoration:none;
    }

    .check-out-txt{
        float:right;
    }
    /*** view cart **/
    .view-cart form{
        width:100%;
    }
    .view-cart{
        width: 100%;
        float:left;
        background: #F0F0F0;
        padding: 10px;
        border: 1px solid #DDD;
        border-radius: 5px;
    }
    .view-cart .p-price{
        float: right;
        margin-right: 10px;
        font-size: 80%;
        font-weight: bold;

```

```

}

.view-cart .product-info{ width:100%;}

@media(max-width:600px)
{
    .view-cart form ,.view-cart, .shopping-cart{
        display:none;
    }

    .products {
        width:100%;
    }

    .product .product-content h3 {
        font-size:100%;
    }

    .product-desc {
        font-size:70%;
    }

    .product-info {

        font-size:50%;
        width:100%;
        padding-top:5px;
    }

    #input{
        height:5px;
        width:45px;
        font-size:100%;
    }

    .add_to_cart {

```

```
        font-size:100%;  
        width:100%;  
        height:25px;  
    }  
}
```

navigation.css

#NavUI

```
{  
    background:rgba(59,60,54,1);  
    box-shadow:inset 0 0 3px 1px #000;  
    box-shadow:0 0 10px 5px #3b3c36;  
    display:block;  
    font-size:1em;  
    line-height:1em;  
    overflow:hidden;  
    width:100%;  
}
```

#Nav

```
{  
    background:rgba(59,60,54,1);  
    border:1px dotted #000;  
    box-shadow:inset 0 0 3px 1px #000;  
    box-shadow:0 0 10px 5px #3b3c36;  
    font-size:1em;  
    line-height:1em;  
    overflow:hidden;  
    width:100%;  
}
```

#Menu

```
{  
    background:none;  
    border:none;  
    display:none;  
    height:3.125em;  
    width:100%;  
}
```

.MenuIcon

```
{  
    background:url("../img/menuicon.png") center center no-repeat;  
    background-size:cover;  
    width:50px;  
}
```

.NavUl

```
{  
    height:50px;  
    margin-top:0px;  
    margin-bottom:0px;  
    margin-left:auto;  
    margin-right:auto;  
    padding:0px;  
    width:90%;  
}
```

.NavUl li

```
{  
    display:inline-block;  
    line-height:50px;  
    text-align:center;  
    width:16.066666666666667%;
```

```
}
```

```
.NavUI li button
```

```
{
```

```
    color:#778ba5;
```

```
    cursor:pointer;
```

```
    margin:0px;
```

```
    padding:0px;
```

```
}
```

```
.NavUI li a
```

```
{
```

```
    color:#778ba5;
```

```
    list-style:none;
```

```
    padding:6.5% 20%;
```

```
    text-decoration:none;
```

```
}
```

```
ul .SubNavUI
```

```
{
```

```
    background:rgba(59,60,54,1);
```

```
    border:2px groove #3b3c36;
```

```
    margin:0px;
```

```
    padding: 10px 0px;
```

```
    width:14.366666666666667%;
```

```
}
```

```
.SubNavUI
```

```
{
```

```
    border-radius:5px;
```

```
    box-shadow:inset 0 0 10px 5px #000;
```

```
    box-shadow:0 0 10px 5px #3b3c36;
```

Nigel Hopkins (30026387)

```

border:2px groove #000;
display:none;
height:100px;
position:fixed;
margin:0px;
padding:0xp;
top:50px;
width: 14.366666666666667%;
z-index:-199;
}

```

```

.SubNavUI li
{
border-bottom:2px groove #778ba5;
line-height:50px;
width:100%;
}

```

```

.SubNavUI li:last-child
{
border-bottom:0px groove #778ba5;
}

```

```

#Nav li:hover .SubNavUI
{
display:block;
}

```

```

#logon , #ShoppingCart
{
background:rgba(119,139,165,0.0);
border:none;
}

```



```

        height:50px;
        width:150px;
    }

    .CartIcon
    {
        background:url("../img/CartIcon.png") center center no-repeat;
        background-size:cover;
    }

    .NavUI li:hover , .SubNavUI li:hover
    {
        background:rgba(119,139,165, 0.5);
    }

    @media(max-width:1028px)
    {
        #Menu
        {
            display:block;
            height:50px;
        }

        #NavUI
        {
            display:none;
        }

        .NavUI
        {
            height:auto;
        }
    }

```

```
.NavUl li a
{
    padding:0px;
    margin:0px;
}
```

```
.NavUl li
{
    width:100%;
    line-height:30px;
}
```

```
#logon{
    height:30px;
}
```

```
#ShoppingCart{
    height:30px;
}
```

```
#Nav li:hover .SubNavUl
{
    display:block;
}
```

```
ul .SubNavUl
{
    width:100%;
    padding:0px;
    border:0px;
}
```

```

        .SubNavUI
        {
            position:relative;
            z-index:199;
            line-height:50px;
            top:0px;
        }
    }

contact.php

#Container
{
    width:90%;
    height:auto;
    border:2px groove #000;
    border-radius:10px;
    padding-bottom:15px;
    margin-left:auto;
    margin-right:auto;
}

.label
{
    height:auto;
    width:90%;
    border:2px groove #000;
    border-radius:10px;
    background-color:rgba(0,0,0,0.5);
    margin-left:auto;
    margin-right:auto;
    margin-top:15px;
}

```

```
.label h3
{
    font-size:200%;
    font-style:bold;
    width:90%;
    text-align:center;
    letter-spacing:5px;
    padding:0px;
    margin-left:auto;
    margin-right:auto;
}
```

```
.label form
{
    width:80%;
    margin-left:auto;
    margin-right:auto;
}
```

```
.label form ul
{
    width:100%;
    height:auto;
    list-style:none;
    text-decoration:none;
    padding:0px;
}
```

```
.label form ul li
{
    width:100%;
```

```
}
```

```
.label form ul li input, textarea
```

```
{
```

```
    width:100%;
```

```
    height:50px;
```

```
    text-align:center;
```

```
    font-size:200%;
```

```
    font-style:bold;
```

```
    text-align:left;
```

```
}
```

```
.label form ul li textarea
```

```
{
```

```
    height:250px;
```

```
    font-size:100%;
```

```
    font-style:none;
```

```
    text-align:justify;
```

```
}
```

```
.label form ul li button
```

```
{
```

```
    float:right;
```

```
}
```

```
a:active
```

```
{
```

```
    color:#000;
```

```
    text-decoration:none;
```

```
}
```

```
a:visited
```

```
{
```

```

        color:#000;
        text-decoration:none;
    }
a:link
    {
        color:#000;
        text-decoration:none;
    }
a:hover
    {
        color:#000;
        text-decoration:none;
    }

```

```

@media(max-width:600px)
{
    .label{
        padding:0px;

    }
    .label h3{
        padding:0px;
        margin:0px;
        width:100%;
    }
    .label h3 a{
        font-size:50%;
        width:100%;
        line-height:50px;
    }
    #email{

```

```
        height:25px;
    }
    #message {
        height:175px;
    }
}
```

LoggedIn.css

```
#Welcome
{
    width:90%;
    height:50px;
    margin-left:auto;
    margin-right:auto;
    text-align:center;
    padding:0px;
    font-size:200%;
    font-weight:bold;

}
```

```
#Container
{
    width:90%;
    height:auto;
    margin-left:auto;
    margin-right:auto;
    text-align:justify;
    padding:0px;

}
```

.Preview

```
{  
    width:100%;  
    height:600px;  
}
```

#MemberAreaNav

```
{  
    width:81%;  
    height:auto;  
    padding:0px;  
    margin:0px;  
    margin-left:auto;  
    margin-right:auto;  
}
```

#MemberAreaNav form, ul

```
{  
    width:100%;  
    padding:0px;  
    margin:0px;  
    text-decoration:none;  
}
```

#MemberAreaNav ul li

```
{  
    width:auto;  
    padding:0px;  
    margin:0px;  
    list-style:none;  
    display:inline-block;
```



```

    }
    @media(max-width:680px)
    {
        #Welcome{
            font-size:100%;
        }

        #MemberAreaNav{
            font-size:70%;
        }
    }

```

login.css

```

form
{
    width:100%;
}

#Login
{
    height:auto;
    width:70%;
    border:2px groove #000;
    border-radius:15px;
    box-shadow: 0px 0px 25px 5px #000;
    margin-left:auto;
    margin-right:auto;
    margin-top:10%;
    padding-top:25px;
    padding-left:25px;
    padding-right:50px;
}

```

```
#Login ul
{
    width:100%;
    height:auto;
    text-decoration:none;
    list-style:none;
    padding:0px;
    margin:0px;
}
```

```
.login
{
    height:60px;
    width:150px;
    margin-top:25px;
    margin-bottom:25px;
    text-align:center;
}
```

```
#Login li {
    width:100%;
```

```
}
```

```
#Login li label {
    padding-right:25px;
    line-height: 75px;
}
```

```
#email , #password , #confirmpwd, #pin
```

```
{  
    height:50px;  
    width:100%;  
    font-size:200%;  
    font-weight:bold;  
}
```

#Login label

```
{  
    font-size:200%;  
    font-weight:bold;  
}
```

.Message

```
{  
    width:50%;  
  
}
```

.Message p

```
{  
    height:60px;  
    padding:0px;  
    margin:0px;  
    float:left;  
    font-size:125%;  
    font-weight:bold;  
}
```

.LoginError, .LoginError p

```
{
```

```
        width:100%;
        text-align:center;
        padding:0px;
        margin:0px;
        font-size:125%;
        font-weight:bold;
    }
```

```
@media(max-width:680px)
```

```
{
    #Login
    {
        width:90%;
        left:20px;
        right:20px;
        margin:0px;
        padding:10px;
        border:none;
        box-shadow:none;
    }
    #Login li
    label{

        font-size:70%;
    }
    #password , #email {
        height:25px;
        font-size:100%;
    }
}
```

minicart.css

form

```
{  
    width:100%;  
    height:auto;  
}
```

h1

```
{  
    font-size:150%;  
    color:#007aa5;  
    padding-top:25px;  
    padding-left:30px;  
    margin:0px;  
}
```

.shoppingList ul

```
{  
    padding-top:0px;  
    padding-bottom:0px;  
    padding-left:25px;  
    padding-right:25px;  
    margin:0px;  
  
}
```

form ul

```
{  
    margin:0px;  
    padding:0 25px;  
    height:100%;
```

```
}
```

```
.shoppingList li
```

```
{
```

```
    text-decoration:none;
```

```
    display:block;
```

```
    height:auto;
```

```
    min-height:450px;
```

```
    margin-top:10px;
```

```
    margin-bottom:10px;
```

```
    margin-left:0px;
```

```
}
```

```
.buttons
```

```
{
```

```
    padding:5px;
```

```
    margin-top:25px;
```

```
    margin-bottom:25px;
```

```
    margin-left:auto;
```

```
    margin-right:25px;
```

```
    float:right;
```

```
}
```

```
#contents
```

```
{
```

```
    height:450px;
```

```
    width:100%;
```

```
}
```

```
portfolio.css
```

```
h1
```

```
{  
    padding-left:25px;  
}
```

#CompletedWorks ,#CurrentProjects

```
{  
    width:90%;  
    height:auto;  
    border:2px groove #000;  
    border-radius:10px;  
    margin-left:auto;  
    margin-right:auto;  
    margin-bottom:0px;  
    padding:25px;  
    text-align: justify;  
    -ms-text-justify: distribute-all-lines;  
    text-justify: distribute-all-lines;  
    vertical-align:top;  
    line-height:600px;  
}
```

#CompletedWorks ,#CurrentProjects h3

```
{  
    line-height:50px;  
}
```

.tag

```
{  
    margin-bottom:25px;  
    line-height:25px;  
}
```

```

.tag p
{
    padding:0px;
    margin:0px;
}

.Acknowledgement
{
    margin-top:15px;
    text-align:center;
    margin-bottom:15px;
}

.WebSitePreview
{
    width:350px;
    height:350px;
    border:2px groove #000;
    border-radius:10px;
    box-shadow: 0px 0px 15px 5px #000;
    margin-right:auto;
    margin-left:auto;
    padding:25px;
    display: inline-block;
    *display: inline;
    zoom: 1;
    text-align:center;
}

```

```

@media(max-width:1028px)

```

```

{
    .WebSitePreview
    {

```

```

        width:90%;

```

Nigel Hopkins (30026387)


```

        height:auto;
        margin-bottom:50px;
    }
}

```

```

.WebSitePreview img
{
    width:100%;
    height:300px;
}

```

```

.WebSitePreview a
{
    padding:0px;
    margin:0px;
}

```

```

#CompletedWorks:after ,#CurrentProjects:after
{
    content: "";
    width: 100%;
    display: inline-block;
    font-size: 0;
    line-height: 0px;
}

```

```

a:active
{
    color:#000;
    text-decoration:none;
}

```

```

a:visited
{

```

```

        color:#000;
        text-decoration:none;
    }
a:link
    {
        color:#000;
        text-decoration:none;
    }
a:hover
    {
        color:#000;
        text-decoration:none;
    }

@media(max-width:680px)
    {
        h1 {
            padding:0px;
            margin:0px;
        }
        #CompletedWorks{
            width:90%;
            padding-top:10px;
            padding-right:10px;
            padding-left:10px;
            padding-bottom:0px;
        }
        #CompletedWorks h3 {
            padding:0px;
            margin:0px;
        }
    }

```

```
.WebSitePreview {  
    float:none;  
    width:99%;  
    padding:0px;  
    margin-left:auto;  
    margin-right:auto;  
    margin-bottom:20px;  
}
```

```
.WebSitePreview img {  
    border-radius:5px;  
}
```

```
}
```

slider.css

#HeaderContainer

```
{  
  
    display: block;  
    margin: 0px auto 0px auto;  
    padding: 10px 5px 5px 10px;  
    width: 96%;  
    height:350px;  
    max-width:940px;  
    min-width: 240px;  
}
```

#slider2_container

```
{  
  
    position: relative;  
    margin: 0px 5px 5px 0px;  
    float: left;
```

```

        top: 0px;
        left: 0px;
        width: 100%;
height: 350px;
        overflow: hidden;
        border-radius:10px;
box-shadow: 0px 0px 15px 10px #3b3c36;
        -webkit-box-shadow: 0px 0px 15px 10px #3b3c36;

}

```

#slides

```

{
        cursor: move;
        position: absolute;
        left: 0px;
        top: 0px;
        width: 100%;
        height: 350px;
        border-radius:10px;
overflow: hidden;
        border: 1px solid #3b3c36;

}

```

@media(max-width:600px)

```

{
        #HeaderContainer{

                height:150px;

        }

        #slider2_container{

```

```
        height:150px;
    }
    #slides{

        height:150px;

    }
}
```

JavaScript Files

bgColourChanger.js

```
$(document).ready(function(){
    $('#ColourChange').change(function(){
```

```
        var ColourDefault = '#fff';
        var DefaultFontColour = '#000';
        var Colour1 = '#7EC3EA';
        var FontColour1 = '#000';
        var Colour2 = '#DBB8F6';
        var Colour3 = '#BEB7A7';
        var Colour4 = '#EFA1C9';
        var Colour5 = '#7C95FA';
        var Colour6 = '#B9A7F4';
        var Colour7 = '#F1A99F';
        var Colour8 = '#75DBC8';
        var Colour9 = '#FEFD7D';
        var Colour10 = '#F3C25C';
        var Colour11 = '#B3ED77';
        var Colour12 = '#87E994';
```

```

if($(this).val() == 'Default'){
    $('#container').css('background',ColourDefault);
    $('#ColourChange').css('background',ColourDefault);
    $('#container').css('color',DefaultFontColour);
}
if($(this).val() == 'Aqua'){
    $('#container').css('background', Colour1);
    $('#ColourChange').css('background',Colour1);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Purple'){
    $('#container').css('background',Colour2);
    $('#ColourChange').css('background',Colour2);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Neutral'){
    $('#container').css('background',Colour3);
    $('#ColourChange').css('background',Colour3);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Magenta'){
    $('#container').css('background',Colour4);
    $('#ColourChange').css('background',Colour4);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Blue'){
    $('#container').css('background',Colour5);
    $('#ColourChange').css('background',Colour5);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Lilac'){

```

```

    $('#container').css('background',Colour6);
    $('#ColourChange').css('background',Colour6);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Rose'){
    $('#container').css('background',Colour7);
    $('#ColourChange').css('background',Colour7);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Turquoise'){
    $('#container').css('background',Colour8);
    $('#ColourChange').css('background',Colour8);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Yellow'){
    $('#container').css('background',Colour9);
    $('#ColourChange').css('background',Colour9);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Orange'){
    $('#container').css('background',Colour10);
    $('#ColourChange').css('background',Colour10);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Apple'){
    $('#container').css('background',Colour11);
    $('#ColourChange').css('background',Colour11);
    $('#container').css('color',FontColour1);
}
if($(this).val() == 'Leaf'){
    $('#container').css('background',Colour12);
    $('#ColourChange').css('background',Colour12);

```

```

        $('#container').css('color',FontColour1);
    }
    })
});

```

cookie.js

// Creare's 'Implied Consent' EU Cookie Law Banner v:2.4

// Conceived by Robert Kent, James Bavington & Tom Foyster

```

var dropCookie = true;           // false disables the Cookie, allowing you to style the
banner

```

```

var cookieDuration = 14;         // Number of days before the cookie expires, and the
banner reappears

```

```

var cookieName = 'complianceCookie';    // Name of our cookie

```

```

var cookieValue = 'on';           // Value of cookie

```

```

function createDiv(){

```

```

    var bodytag = document.getElementsByTagName('body')[0];

```

```

    var div = document.createElement('div');

```

```

    div.setAttribute('id','cookie-law');

```

```

    div.innerHTML = '<p><br /><br />Please be aware that this website uses cookies through
out. By continuing to use this site it will be assumed that your permission has been given to
deploy cookies. <br /> <br /><a class="close-cookie-banner" href="javascript:void(0);"
onclick="removeMe();"><button>I Agree</button></a><br /><br /><a
href="https://ico.org.uk/for-organisations/guide-to-pecr/cookies/" rel="nofollow"
title="Learn More About Cookies" target="_blank">Learn More About Cookies</a></p>';

```

```

    // Be advised the Close Banner 'X' link requires jQuery

```

```

    // bodytag.appendChild(div); // Adds the Cookie Law Banner just before the closing
</body> tag

```

```

    // or

```

```

    bodytag.insertBefore(div,bodytag.firstChild); // Adds the Cookie Law Banner just after the
opening <body> tag

```



```
document.getElementsByTagName('body')[0].className+=' cookiebanner'; //Adds a class  
to the <body> tag when the banner is visible
```

```
createCookie(window.cookieName,window.cookieValue, window.cookieDuration); //  
Create the cookie  
}
```

```
function createCookie(name,value,days) {  
    if (days) {  
        var date = new Date();  
        date.setTime(date.getTime()+(days*24*60*60*1000));  
        var expires = "; expires="+date.toGMTString();  
    }  
    else var expires = "";  
    if(window.dropCookie) {  
        document.cookie = name+"="+value+expires+"; path="/;  
    }  
}
```

```
function checkCookie(name) {  
    var nameEQ = name + "=";  
    var ca = document.cookie.split(';');  
    for(var i=0;i < ca.length;i++) {  
        var c = ca[i];  
        while (c.charAt(0)==' ') c = c.substring(1,c.length);  
        if (c.indexOf(nameEQ) == 0) return c.substring(nameEQ.length,c.length);  
    }  
    return null;  
}
```

```
function eraseCookie(name) {
```

```

    createCookie(name, "", -1);
}

window.onload = function(){
    if(checkCookie(window.cookieName) != window.cookieValue){
        createDiv();
    }
}

```

```

function removeMe(){
    var element = document.getElementById('cookie-law');
    element.parentNode.removeChild(element);
}

```

filereader.js

/*!

FileReader.js - v0.9

A lightweight wrapper for common FileReader usage.

Copyright 2012 Brian Grinstead - MIT License.

See <http://github.com/bgrins/filereader.js> for documentation.

*/

```

(function(window, document) {

    var FileReader = window.FileReader;

    var FileReaderSyncSupport = false;

    var workerScript = "self.addEventListener('message', function(e) { var data=e.data; try {
var reader = new FileReaderSync; postMessage({ result: reader[data.readAs](data.file), extra:
data.extra, file: data.file})} catch(e){ postMessage({ result:'error', extra:data.extra,
file:data.file}); } }, false);";

    var syncDetectionScript = "self.addEventListener('message', function(e) {
postMessage(!!FileReaderSync); }, false);";

    var fileReaderEvents = ['loadstart', 'progress', 'load', 'abort', 'error', 'loadend'];

```

```

var FileReaderJS = window.FileReaderJS = {
    enabled: false,
    setupInput: setupInput,
    setupDrop: setupDrop,
    setupClipboard: setupClipboard,
    sync: false,
    output: [],
    opts: {
        dragClass: "drag",
        accept: false,
        readAsDefault: 'BinaryString',
        readAsMap: {
            'image/*': 'DataURL',
            'text/*': 'Text'
        },
        on: {
            loadstart: noop,
            progress: noop,
            load: noop,
            abort: noop,
            error: noop,
            loadend: noop,
            skip: noop,
            groupstart: noop,
            groupend: noop,
            beforestart: noop
        }
    }
};

// Setup jQuery plugin (if available)
if (typeof(jQuery) !== "undefined") {

```

```

jQuery.fn.fileReaderJS = function(opts) {
    return this.each(function() {
        if ($(this).is("input")) {
            setupInput(this, opts);
        }
        else {
            setupDrop(this, opts);
        }
    });
};

```

```

jQuery.fn.fileClipboard = function(opts) {
    return this.each(function() {
        setupClipboard(this, opts);
    });
};
}

```

```

// Not all browsers support the FileReader interface. Return with the enabled bit = false.
if (!FileReader) {
    return;
}

```

```

// WorkerHelper is a little wrapper for generating web workers from strings
var WorkerHelper = (function() {

    var URL = window.URL || window.webkitURL;

    var BlobBuilder = window.BlobBuilder || window.WebKitBlobBuilder ||
window.MozBlobBuilder;

```

```

// May need to get just the URL in case it is needed for things beyond just creating a
worker.

```

```

function getURL (script) {
    if (window.Worker && BlobBuilder && URL) {
        var bb = new BlobBuilder();
        bb.append(script);
        return URL.createObjectURL(bb.getBlob());
    }

    return null;
}

```

// If there is no need to revoke a URL later, or do anything fancy then just return the worker.

```

function getWorker (script, onmessage) {
    var url = getURL(script);
    if (url) {
        var worker = new Worker(url);
        worker.onmessage = onmessage;
        return worker;
    }

    return null;
}

```

```

return {
    getURL: getURL,
    getWorker: getWorker
};

```

```

})();

```

// setupClipboard: bind to clipboard events (intended for document.body)

```

function setupClipboard(element, opts) {

```

```

if (!FileReaderJS.enabled) {
    return;
}
var instanceOptions = extend(extend({ }, FileReaderJS.opts), opts);

element.addEventListener("paste", onpaste, false);

function onpaste(e) {
    var files = [];
    var clipboardData = e.clipboardData || { };
    var items = clipboardData.items || [ ];

    for (var i = 0; i < items.length; i++) {
        var file = items[i].getAsFile();

        if (file) {

            // Create a fake file name for images from clipboard, since this data doesn't get
sent
            var matches = new RegExp("/(.*\\)").exec(file.type);
            if (!file.name && matches) {
                var extension = matches[1];
                file.name = "clipboard" + i + "." + extension;
            }

            files.push(file);
        }
    }

    if (files.length) {
        processFileList(e, files, instanceOptions);
    }
}

```

```

        e.preventDefault();
        e.stopPropagation();
    }
}
}

// setupInput: bind the 'change' event to an input[type=file]
function setupInput(input, opts) {

    if (!FileReaderJS.enabled) {
        return;
    }
    var instanceOptions = extend(extend({ }, FileReaderJS.opts), opts);

    input.addEventListener("change", inputChange, false);
    input.addEventListener("drop", inputDrop, false);

    function inputChange(e) {
        processFileList(e, input.files, instanceOptions);
    }

    function inputDrop(e) {
        e.stopPropagation();
        e.preventDefault();
        processFileList(e, e.dataTransfer.files, instanceOptions);
    }
}

// setupDrop: bind the 'drop' event for a DOM element
function setupDrop(dropbox, opts) {

    if (!FileReaderJS.enabled) {

```

```

    return;
}

var instanceOptions = extend(extend({}, FileReaderJS.opts), opts);
var dragClass = instanceOptions.dragClass;
var initializedOnBody = false;

// Bind drag events to the dropbox to add the class while dragging, and accept the drop
data transfer.

dropbox.addEventListener("dragenter", onlyWithFiles(dragenter), false);
dropbox.addEventListener("dragleave", onlyWithFiles(dragleave), false);
dropbox.addEventListener("dragover", onlyWithFiles(dragover), false);
dropbox.addEventListener("drop", onlyWithFiles(drop), false);

// Bind to body to prevent the dropbox events from firing when it was initialized on the
page.

document.body.addEventListener("dragstart", bodydragstart, true);
document.body.addEventListener("dragend", bodydragend, true);
document.body.addEventListener("drop", bodydrop, false);

function bodydragend(e) {
    initializedOnBody = false;
}

function bodydragstart(e) {
    initializedOnBody = true;
}

function bodydrop(e) {
    if (e.dataTransfer.files && e.dataTransfer.files.length ){
        e.stopPropagation();
        e.preventDefault();
    }
}

```



```
}
```

```
function onlyWithFiles(fn) {  
  return function() {  
    if (!initializedOnBody) {  
      fn.apply(this, arguments);  
    }  
  };  
}
```

```
function drop(e) {  
  e.stopPropagation();  
  e.preventDefault();  
  if (dragClass) {  
    removeClass(dropbox, dragClass);  
  }  
  processFileList(e, e.dataTransfer.files, instanceOptions);  
}
```

```
function dragenter(e) {  
  e.stopPropagation();  
  e.preventDefault();  
  if (dragClass) {  
    addClass(dropbox, dragClass);  
  }  
}
```

```
function dragleave(e) {  
  if (dragClass) {  
    removeClass(dropbox, dragClass);  
  }  
}
```

```

function dragover(e) {
    e.stopPropagation();
    e.preventDefault();
    if (dragClass) {
        addClass(dropbox, dragClass);
    }
}

```

// setupCustomFileProperties: modify the file object with extra properties

```

function setupCustomFileProperties(files, groupID) {
    for (var i = 0; i < files.length; i++) {
        var file = files[i];
        file.extra = {
            nameNoExtension: file.name.substring(0, file.name.lastIndexOf('.')),
            extension: file.name.substring(file.name.lastIndexOf('.') + 1),
            fileID: i,
            uniqueID: getUniqueID(),
            groupID: groupID,
            prettySize: prettySize(file.size)
        };
    }
}

```

// getReadAsMethod: return method name for 'readAs*' -
<http://www.w3.org/TR/FileAPI/#reading-a-file>

```

function getReadAsMethod(type, readAsMap, readAsDefault) {
    for (var r in readAsMap) {
        if (type.match(new RegExp(r))) {
            return 'readAs' + readAsMap[r];
        }
    }
}

```

```

    }
    return 'readAs' + readAsDefault;
}

// processFileList: read the files with FileReader, send off custom events.
function processFileList(e, files, opts) {

    var filesLeft = files.length;
    var group = {
        groupID: getGroupID(),
        files: files,
        started: new Date()
    };

    function groupEnd() {
        group.ended = new Date();
        opts.on.groupend(group);
    }

    function groupFileDone() {
        if (--filesLeft === 0) {
            groupEnd();
        }
    }

    FileReaderJS.output.push(group);
    setupCustomFileProperties(files, group.groupID);

    opts.on.groupstart(group);

    // No files in group - end immediately
    if (!files.length) {

```

```
groupEnd();  
return;  
}
```

```
var sync = FileReaderJS.sync && FileReaderSyncSupport;  
var syncWorker;
```

```
// Only initialize the synchronous worker if the option is enabled - to prevent the  
overhead
```

```
if (sync) {  
  syncWorker = WorkerHelper.getWorker(workerScript, function(e) {  
    var file = e.data.file;  
    var result = e.data.result;  
  
    // Workers seem to lose the custom property on the file object.  
    if (!file.extra) {  
      file.extra = e.data.extra;  
    }  
  
    file.extra.ended = new Date();  
  
    // Call error or load event depending on success of the read from the worker.  
    opts.on[result === "error" ? "error" : "load"]({ target: { result: result } }, file);  
    groupFileDone();  
  
  });  
}
```

```
Array.prototype.forEach.call(files, function(file) {
```

```
  file.extra.started = new Date();
```

```

if (opts.accept && !file.type.match(new RegExp(opts.accept))) {
    opts.on.skip(file);
    groupFileDone();
    return;
}

if (opts.on.beforestart(file) === false) {
    opts.on.skip(file);
    groupFileDone();
    return;
}

var readAs = getReadAsMethod(file.type, opts.readAsMap, opts.readAsDefault);

if (sync && syncWorker) {
    syncWorker.postMessage({
        file: file,
        extra: file.extra,
        readAs: readAs
    });
}
else {

    var reader = new FileReader();
    reader.originalEvent = e;

    fileReaderEvents.forEach(function(eventName) {
        reader['on' + eventName] = function(e) {
            if (eventName == 'load' || eventName == 'error') {
                file.extra.ended = new Date();
            }
            opts.on[eventName](e, file);
        }
    });
}

```

```

        if (eventName == 'loadend') {
            groupFileDone();
        }
    };
});

    reader[readAs](file);
}
});
}

```

// checkFileReaderSyncSupport: Create a temporary worker and see if FileReaderSync exists

```

function checkFileReaderSyncSupport() {
    var worker = WorkerHelper.getWorker(syncDetectionScript, function(e) {
        FileReaderSyncSupport = e.data;
    });

    if (worker) {
        worker.postMessage({});
    }
}

```

// noop: do nothing

```

function noop() {

}

```

// extend: used to make deep copies of options object

```

function extend(destination, source) {
    for (var property in source) {
        if (source[property] && source[property].constructor &&

```

```

        source[property].constructor === Object) {
            destination[property] = destination[property] || {};
            arguments.callee(destination[property], source[property]);
        }
        else {
            destination[property] = source[property];
        }
    }
    return destination;
}

```

// hasClass: does an element have the css class?

```

function hasClass(el, name) {
    return new RegExp("(?:^\\s+)" + name + "(?:\\s+$)").test(el.className);
}

```

// addClass: add the css class for the element.

```

function addClass(el, name) {
    if (!hasClass(el, name)) {
        el.className = el.className ? [el.className, name].join(' ') : name;
    }
}

```

// removeClass: remove the css class from the element.

```

function removeClass(el, name) {
    if (hasClass(el, name)) {
        var c = el.className;
        el.className = c.replace(new RegExp("(?:^\\s+)" + name + "(?:\\s+$)", "g"), " ")
            .replace(/^\s\s*/, "").replace(/\s\s*$/, "");
    }
}

```

```
// prettySize: convert bytes to a more readable string.
function prettySize(bytes) {
    var s = ['bytes', 'kb', 'MB', 'GB', 'TB', 'PB'];
    var e = Math.floor(Math.log(bytes)/Math.log(1024));
    return (bytes/Math.pow(1024, Math.floor(e))).toFixed(2)+" "+s[e];
}
```

```
// getGroupID: generate a unique int ID for groups.
var getGroupID = (function(id) {
    return function() {
        return id++;
    };
})(0);
```

```
// getUniqueID: generate a unique int ID for files
var getUniqueID = (function(id) {
    return function() {
        return id++;
    };
})(0);
```

```
// The interface is supported, bind the FileReaderJS callbacks
FileReaderJS.enabled = true;
```

```
})(this, document);
```

fontsize.js

```
$(document).ready(function(font){
    $("#Smaller,#Bigger").click(function(){
    var type= $(this).val();
    var curFontSize = $('body').css('font-size');
```



```

if(type=='+'){
    $('body').css('font-size', parseInt(curFontSize)+1);
    $('#FontSize').html('Font Size : ' + (parseInt(curFontSize)+1) + ' pt');
}
else{
    $('body').css('font-size', parseInt(curFontSize)-1);
    $('#FontSize').html('Font Size : ' + (parseInt(curFontSize)-1) + ' pt');
}
});
});

```

forms.js

```

function formhash(form, password) {
    // Create a new element input, this will be our hashed password field.
    var p = document.createElement("input");

    // Add the new element to our form.
    form.appendChild(p);
    p.name = "p";
    p.type = "hidden";
    p.value = hex_sha512(password.value);

    // Make sure the plain text password doesn't get sent.
    password.value = "";

    // Finally submit the form.
    form.submit();
}

function regformhash(form, email, pin, password, conf) {
    // Check each field has a value
    if (email.value == " ||

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        pin.value == " ||
        password.value == " ||
    conf.value == ") {

    alert('You must provide all the requested details. Please try again');
    return false;
}

// Check that the password is sufficiently long (min 6 chars)
// The check is duplicated below, but this is included to give more
// specific guidance to the user
if (password.value.length < 6) {
    alert('Passwords must be at least 6 characters long. Please try again');
    form.password.focus();
    return false;
}

// At least one number, one lowercase and one uppercase letter
// At least six characters

var re = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{6,}$/;
if (!re.test(password.value)) {
    alert('Passwords must contain at least one number, one lowercase and one uppercase
letter. Please try again');
    return false;
}

// Check password and confirmation are the same
if (password.value != conf.value) {
    alert('Your password and confirmation do not match. Please try again');
    form.password.focus();
    return false;
}

```

```

    }

    // Create a new element input, this will be our hashed password field.
    var p = document.createElement("input");

    // Add the new element to our form.
    form.appendChild(p);

    p.name = "p";
    p.type = "hidden";
    p.value = hex_sha512(password.value);

    // Make sure the plaintext password doesn't get sent.
    password.value = "";
    conf.value = "";

    // Finally submit the form.
    form.submit();

    return true;
}

```

jquery_min.js

```

/*! jQuery v1.9.1 | (c) 2005, 2012 jQuery Foundation, Inc. | jquery.org/license
//@ sourceMappingURL=jquery.min.map
*/

(function (e, t) {
    var n, r, i = typeof t, o = e.document, a = e.location, s = e.jQuery, u = e.$, l = {}, c = [], p =
    "1.9.1", f = c.concat, d = c.push, h = c.slice, g = c.indexOf, m = l.toString, y =
    l.hasOwnProperty, v = p.trim, b = function (e, t) { return new b.fn.init(e, t, r) }, x = /[+-]
    ]?(?:\d*\.|)\d+(?:[eE][+-]?\d+|)/.source, w = /\S+/g, T =
    /^[\s\uFEFF\xA0]+|[\s\uFEFF\xA0]+$/g, N = /^(?:(<[\w\W]+>)[^>]*|#[\w-]*)$/g, C =
    /^<(\w+)\s*\|>(?:<\/\1>|)$/, k = /^[\],: \{\} \s]*$/g, E = /(?:^|:|,)(?:\s*\|)+/g, S =
    /\((?:["'\\\bfnrt]|u[\da-fA-F]{4})/g, A = /(?:^|\\r\\n)*|true|false|null|-?(?:\d+\.|)\d+(?:[eE][+-]
    ]?(?:\d+|)/g, j = /^-ms-/g, D = /-([\da-z])/gi, L = function (e, t) { return t.toUpperCase() }, H =
    function (e) { (o.addEventListener || "load" === e.type || "complete" === o.readyState) &&

```

```

(q(), b.ready()) }, q = function () { o.addEventListener ?
(o.removeEventListener("DOMContentLoaded", H, !1), e.removeEventListener("load", H,
!1)) : (o.detachEvent("onreadystatechange", H), e.detachEvent("onload", H)) }; b.fn =
b.prototype = { jquery: p, constructor: b, init: function (e, n, r) { var i, a; if (!e) return this; if
("string" == typeof e) { if (i = "<" === e.charAt(0) && ">" === e.charAt(e.length - 1) &&
e.length >= 3 ? [null, e, null] : N.exec(e), !i || !i[1] && n) return !n || n.jquery ? (n || r).find(e)
: this.constructor(n).find(e); if (i[1]) { if (n = n instanceof b ? n[0] : n, b.merge(this,
b.parseHTML(i[1], n && n.nodeType ? n.ownerDocument || n : o, !0)), C.test(i[1]) &&
b.isPlainObject(n)) for (i in n) b.isFunction(this[i]) ? this[i](n[i]) : this.attr(i, n[i]); return this
} if (a = o.getElementById(i[2]), a && a.parentNode) { if (a.id !== i[2]) return r.find(e);
this.length = 1, this[0] = a } return this.context = o, this.selector = e, this } return e.nodeType
? (this.context = this[0] = e, this.length = 1, this) : b.isFunction(e) ? r.ready(e) : (e.selector
!== t && (this.selector = e.selector, this.context = e.context), b.makeArray(e, this)) },
selector: "", length: 0, size: function () { return this.length }, toArray: function () { return
h.call(this) }, get: function (e) { return null == e ? this.toArray() : 0 > e ? this[this.length + e]
: this[e] }, pushStack: function (e) { var t = b.merge(this.constructor(), e); return t.prevObject
= this, t.context = this.context, t }, each: function (e, t) { return b.each(this, e, t) }, ready:
function (e) { return b.ready.promise().done(e), this }, slice: function () { return
this.pushStack(h.apply(this, arguments)) }, first: function () { return this.eq(0) }, last:
function () { return this.eq(-1) }, eq: function (e) { var t = this.length, n = +e + (0 > e ? t : 0);
return this.pushStack(n >= 0 && t > n ? [this[n]] : []) }, map: function (e) { return
this.pushStack(b.map(this, function (t, n) { return e.call(t, n, t) }))) }, end: function () { return
this.prevObject || this.constructor(null) }, push: d, sort: [].sort, splice: [].splice },
b.fn.init.prototype = b.fn, b.extend = b.fn.extend = function () { var e, n, r, i, o, a, s =
arguments[0] || {}, u = 1, l = arguments.length, c = !1; for ("boolean" == typeof s && (c = s,
s = arguments[1] || {}, u = 2), "object" == typeof s || b.isFunction(s) || (s = {}), l === u && (s
= this, --u); l > u; u++) if (null != (o = arguments[u])) for (i in o) e = s[i], r = o[i], s !== r &&
(c && r && (b.isPlainObject(r) || (n = b.isArray(r))) ? (n ? (n = !1, a = e && b.isArray(e) ? e
: []) : a = e && b.isPlainObject(e) ? e : {}, s[i] = b.extend(c, a, r)) : r !== t && (s[i] = r));
return s }, b.extend({ noConflict: function (t) { return e.$ === b && (e.$ = u), t && e.jQuery
=== b && (e.jQuery = s), b }, isReady: !1, readyWait: 1, holdReady: function (e) { e ?
b.readyWait++ : b.ready(!0) }, ready: function (e) { if (e === !0 ? !--b.readyWait :
!b.isReady) { if (!o.body) return setTimeout(b.ready); b.isReady = !0, e !== !0 && --
b.readyWait > 0 || (n.resolveWith(o, [b]), b.fn.trigger && b(o).trigger("ready").off("ready"))
} }, isFunction: function (e) { return "function" === b.type(e) }, isArray: Array.isArray ||
function (e) { return "array" === b.type(e) }, isWindow: function (e) { return null != e && e
== e.window }, isNumeric: function (e) { return !isNaN(parseFloat(e)) && isFinite(e) },
type: function (e) { return null == e ? e + "" : "object" == typeof e || "function" == typeof e ?
l[m.call(e)] || "object" : typeof e }, isPlainObject: function (e) { if (!e || "object" !== b.type(e)
|| e.nodeType || b.isWindow(e)) return !1; try { if (e.constructor && !y.call(e, "constructor")
&& !y.call(e.constructor.prototype, "isPrototypeOf")) return !1 } catch (n) { return !1 } var r;
for (r in e); return r === t || y.call(e, r) }, isEmptyObject: function (e) { var t; for (t in e)
return !1; return !0 }, error: function (e) { throw Error(e) }, parseHTML: function (e, t, n) { if
(!e || "string" !== typeof e) return null; "boolean" == typeof t && (n = t, t = !1), t = t || o; var r
= C.exec(e), i = !n && []; return r ? [t.createElement(r[1])] : (r = b.buildFragment([e], t, i), i
&& b(i).remove(), b.merge([], r.childNodes)) }, parseJSON: function (n) { return e.JSON
&& e.JSON.parse ? e.JSON.parse(n) : null === n ? n : "string" == typeof n && (n =
b.trim(n), n && k.test(n.replace(S, "@").replace(A, "]").replace(E, ""))) ? Function("return "
+ n)() : (b.error("Invalid JSON: " + n), t) }, parseXML: function (n) { var r, i; if (!n || "string"
!== typeof n) return null; try { e.DOMParser ? (i = new DOMParser, r = i.parseFromString(n,

```

```

"text/xml")) : (r = new ActiveXObject("Microsoft.XMLDOM"), r.async = "false",
r.loadXML(n)) } catch (o) { r = t } return r && r.documentElement &&
!r.getElementsByTagName("parsererror").length || b.error("Invalid XML: " + n), r }, noop:
function () { }, globalEval: function (t) { t && b.trim(t) && (e.execScript || function (t) {
e.eval.call(e, t) })(t) }, camelCase: function (e) { return e.replace(j, "ms-").replace(D, L) },
nodeName: function (e, t) { return e.nodeName && e.nodeName.toLowerCase() ===
t.toLowerCase() }, each: function (e, t, n) { var r, i = 0, o = e.length, a = M(e); if (n) { if (a) {
for (; o > i; i++) if (r = t.apply(e[i], n), r === !1) break } else for (i in e) if (r = t.apply(e[i], n),
r === !1) break } else if (a) { for (; o > i; i++) if (r = t.call(e[i], i, e[i]), r === !1) break } else
for (i in e) if (r = t.call(e[i], i, e[i]), r === !1) break; return e }, trim: v &&
!v.call("\u00a0") ? function (e) { return null == e ? "" : v.call(e) } : function (e) { return
null == e ? "" : (e + "").replace(T, "") }, makeArray: function (e, t) { var n = t || []; return null
!= e && (M(Object(e)) ? b.merge(n, "string" == typeof e ? [e] : e) : d.call(n, e)), n }, inArray:
function (e, t, n) { var r; if (t) { if (g) return g.call(t, e, n); for (r = t.length, n = n ? 0 > n ?
Math.max(0, r + n) : n : 0; r > n; n++) if (n in t && t[n] === e) return n } return -1 }, merge:
function (e, n) { var r = n.length, i = e.length, o = 0; if ("number" == typeof r) for (; r > o;
o++) e[i++] = n[o]; else while (n[o] !== t) e[i++] = n[o++]; return e.length = i, e }, grep:
function (e, t, n) { var r, i = [], o = 0, a = e.length; for (n = !!n; a > o; o++) r = !!t(e[o], o), n
!= r && i.push(e[o]); return i }, map: function (e, t, n) { var r, i = 0, o = e.length, a = M(e), s
= []; if (a) for (; o > i; i++) r = t(e[i], i, n), null != r && (s[s.length] = r); else for (i in e) r =
t(e[i], i, n), null != r && (s[s.length] = r); return f.apply([], s) }, guid: 1, proxy: function (e, n)
{ var r, i, o; return "string" == typeof n && (o = e[n], n = e, e = o), b.isFunction(e) ? (r =
h.call(arguments, 2), i = function () { return e.apply(n || this, r.concat(h.call(arguments))) },
i.guid = e.guid = e.guid || b.guid++, i) : t }, access: function (e, n, r, i, o, a, s) { var u = 0, l =
e.length, c = null == r; if ("object" === b.type(r)) { o = !0; for (u in r) b.access(e, n, u, r[u],
!0, a, s) } else if (i !== t && (o = !0, b.isFunction(i) || (s = !0), c && (s ? (n.call(e, i), n = null)
: (c = n, n = function (e, t, n) { return c.call(b(e), n) })), n)) for (; l > u; u++) n(e[u], r, s ? i :
i.call(e[u], u, n(e[u], r))); return o ? e : c ? n.call(e) : l ? n(e[0], r) : a }, now: function () {
return (new Date).getTime() } }, b.ready.promise = function (t) { if (!n) if (n = b.Deferred(),
"complete" === o.readyState) setTimeout(b.ready); else if (o.addEventListener)
o.addEventListener("DOMContentLoaded", H, !1), e.addEventListener("load", H, !1); else {
o.attachEvent("onreadystatechange", H), e.attachEvent("onload", H); var r = !1; try { r = null
== e.frameElement && o.documentElement } catch (i) { } r && r.doScroll && function a()
{ if (!b.isReady) { try { r.doScroll("left") } catch (e) { return setTimeout(a, 50) } q(),
b.ready() } } } return n.promise(t) }, b.each("Boolean Number String Function Array Date
RegExp Object Error".split(" "), function (e, t) { l["object " + t + "]"] = t.toLowerCase() });
function M(e) { var t = e.length, n = b.type(e); return b.isWindow(e) ? !1 : 1 === e.nodeType
&& t ? !0 : "array" === n || "function" !== n && (0 === t || "number" == typeof t && t > 0
&& t - 1 in e) } r = b(o); var _ = {}; function F(e) { var t = _[e] = {}; return
b.each(e.match(w) || [], function (e, n) { t[n] = !0 }), t } b.Callbacks = function (e) { e =
"string" == typeof e ? _[e] || F(e) : b.extend({}, e); var n, r, i, o, a, s, u = [], l = !e.once && [],
c = function (t) { for (r = e.memory && t, i = !0, a = s || 0, s = 0, o = u.length, n = !0; u && o
> a; a++) if (u[a].apply(t[0], t[1])) === !1 && e.stopOnFalse) { r = !1; break } n = !1, u && (l
? l.length && c(l.shift()) : r ? u = [] : p.disable()) }, p = { add: function () { if (u) { var t =
u.length; (function i(t) { b.each(t, function (t, n) { var r = b.type(n); "function" === r ?
e.unique && p.has(n) || u.push(n) : n && n.length && "string" !== r && i(n) })
})(arguments), n ? o = u.length : r && (s = t, c(r)) } return this }, remove: function () { return
u && b.each(arguments, function (e, t) { var r; while ((r = b.inArray(t, u, r)) > -1) u.splice(r,
1), n && (o >= r && o--, a >= r && a--) }, this ), this }, has: function (e) { return e ? b.inArray(e,
u) > -1 : !(!u || !u.length) }, empty: function () { return u = [], this }, disable: function () {

```

```

return u = l = r = t, this }, disabled: function () { return !u }, lock: function () { return l = t, r ||
p.disable(), this }, locked: function () { return !l }, fireWith: function (e, t) { return t = t || [], t
= [e, t.slice ? t.slice() : t], !u || i && !l || (n ? l.push(t) : c(t)), this }, fire: function () { return
p.fireWith(this, arguments), this }, fired: function () { return !i } }; return p }, b.extend({
Deferred: function (e) { var t = ["resolve", "done", b.Callbacks("once memory"),
"resolved"], ["reject", "fail", b.Callbacks("once memory"), "rejected"], ["notify", "progress",
b.Callbacks("memory")], n = "pending", r = { state: function () { return n }, always: function
() { return i.done(arguments).fail(arguments), this }, then: function () { var e = arguments;
return b.Deferred(function (n) { b.each(t, function (t, o) { var a = o[0], s = b.isFunction(e[t])
&& e[t]; i[o[1]](function () { var e = s && s.apply(this, arguments); e &&
b.isFunction(e.promise) ? e.promise().done(n.resolve).fail(n.reject).progress(n.notify) : n[a +
"With"](this === r ? n.promise() : this, s ? [e] : arguments) } ) }, e = null }).promise() },
promise: function (e) { return null != e ? b.extend(e, r) : r }, i = { }; return r.pipe = r.then,
b.each(t, function (e, o) { var a = o[2], s = o[3]; r[o[1]] = a.add, s && a.add(function () { n =
s }, t[1 ^ e][2].disable, t[2][2].lock), i[o[0]] = function () { return i[o[0] + "With"](this === i
? r : this, arguments), this }, i[o[0] + "With"] = a.fireWith }, r.promise(i), e && e.call(i, i), i
}, when: function (e) { var t = 0, n = h.call(arguments), r = n.length, i = 1 !== r || e &&
b.isFunction(e.promise) ? r : 0, o = 1 === i ? e : b.Deferred(), a = function (e, t, n) { return
function (r) { t[e] = this, n[e] = arguments.length > 1 ? h.call(arguments) : r, n === s ?
o.notifyWith(t, n) : --i || o.resolveWith(t, n) } }, s, u, l; if (r > 1) for (s = Array(r), u =
Array(r), l = Array(r); r > t; t++) n[t] && b.isFunction(n[t].promise) ?
n[t].promise().done(a(t, l, n)).fail(o.reject).progress(a(t, u, s)) : --i; return i || o.resolveWith(l,
n), o.promise() } }, b.support = function () { var t, n, r, a, s, u, l, c, p, f, d =
o.createElement("div"); if (d.setAttribute("className", "t"), d.innerHTML = "
<link/><table></table><a href=/a>a</a><input type='checkbox'/>", n =
d.getElementsByTagName("*"), r = d.getElementsByTagName("a")[0], !n || !r || !n.length)
return { }; s = o.createElement("select"), l = s.appendChild(o.createElement("option")), a =
d.getElementsByTagName("input")[0], r.style.cssText = "top:1px;float:left;opacity:.5", t = {
getSetAttribute: "t" !== d.className, leadingWhitespace: 3 === d.firstChild.nodeType,
tbody: !d.getElementsByTagName("tbody").length, htmlSerialize:
!!d.getElementsByTagName("link").length, style: /top/.test(r.getAttribute("style")),
hrefNormalized: "/a" === r.getAttribute("href"), opacity: /^0.5/.test(r.style.opacity), cssFloat:
!!r.style.cssFloat, checkOn: !!a.value, optSelected: l.selected, enctype:
!!o.createElement("form").enctype, html5Clone: "<:nav></:nav>" !==
o.createElement("nav").cloneNode(!0).outerHTML, boxModel: "CSS1Compat" ===
o.compatMode, deleteExpando: !0, noCloneEvent: !0, inlineBlockNeedsLayout: !1,
shrinkWrapBlocks: !1, reliableMarginRight: !0, boxSizingReliable: !0, pixelPosition: !1 },
a.checked = !0, t.noCloneChecked = a.cloneNode(!0).checked, s.disabled = !0, t.optDisabled
= !l.disabled; try { delete d.test } catch (h) { t.deleteExpando = !1 } a =
o.createElement("input"), a.setAttribute("value", ""), t.input = "" === a.getAttribute("value"),
a.value = "t", a.setAttribute("type", "radio"), t.radioValue = "t" === a.value,
a.setAttribute("checked", "t"), a.setAttribute("name", "t"), u = o.createDocumentFragment(),
u.appendChild(a), t.appendChecked = a.checked, t.checkClone =
u.cloneNode(!0).cloneNode(!0).lastChild.checked, d.attachEvent &&
(d.attachEvent("onclick", function () { t.noCloneEvent = !1 }), d.cloneNode(!0).click()); for
(f in { submit: !0, change: !0, focusin: !0 }) d.setAttribute(c = "on" + f, "t"), t[f + "Bubbles"]
= c in e || d.attributes[c].expando === !1; return d.style.backgroundClip = "content-box",
d.cloneNode(!0).style.backgroundClip = "", t.clearCloneStyle = "content-box" ===
d.style.backgroundClip, b(function () { var n, r, a, s =
"padding:0;margin:0;border:0;display:block;box-sizing:content-box;-moz-box-

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sizing:content-box;-webkit-box-sizing:content-box;", u =
o.getElementsByTagName("body")[0]; u && (n = o.createElement("div"), n.style.cssText =
"border:0;width:0;height:0;position:absolute;top:0;left:-9999px;margin-top:1px",
u.appendChild(n).appendChild(d), d.innerHTML =
"<table><tr><td></td><td>t</td></tr></table>", a = d.getElementsByTagName("td"),
a[0].style.cssText = "padding:0;margin:0;border:0;display:none", p = 0 ===
a[0].offsetHeight, a[0].style.display = "", a[1].style.display = "none", t.reliableHiddenOffsets
= p && 0 === a[0].offsetHeight, d.innerHTML = "", d.style.cssText = "box-sizing:border-
box;-moz-box-sizing:border-box;-webkit-box-sizing:border-
box;padding:1px;border:1px;display:block;width:4px;margin-
top:1%;position:absolute;top:1%;", t.boxSizing = 4 === d.offsetWidth,
t.doesNotIncludeMarginInBodyOffset = 1 !== u.offsetTop, e.getComputedStyle &&
(t.pixelPosition = "1%" !== (e.getComputedStyle(d, null) || {}).top, t.boxSizingReliable =
"4px" === (e.getComputedStyle(d, null) || { width: "4px" }).width, r =
d.appendChild(o.createElement("div")), r.style.cssText = d.style.cssText = s,
r.style.marginRight = r.style.width = "0", d.style.width = "1px", t.reliableMarginRight =
!parseFloat((e.getComputedStyle(r, null) || {}).marginRight)), typeof d.style.zoom !== i &&
(d.innerHTML = "", d.style.cssText = s + "width:1px;padding:1px;display:inline;zoom:1",
t.inlineBlockNeedsLayout = 3 === d.offsetWidth, d.style.display = "block", d.innerHTML =
"<div></div>", d.firstChild.style.width = "5px", t.shrinkWrapBlocks = 3 !== d.offsetWidth,
t.inlineBlockNeedsLayout && (u.style.zoom = 1)), u.removeChild(n), n = d = a = r = null)
}), n = s = u = l = r = a = null, t } (); var O = /(?:\{[\s\S]*\}|\[[\s\S]*\])$/ , B = /[A-Z]/g;
function P(e, n, r, i) { if (b.acceptData(e)) { var o, a, s = b.expando, u = "string" == typeof n, l
= e.nodeType, p = l ? b.cache : e, f = l ? e[s] : e[s] && s; if (f && p[f] && (i || p[f].data) || !u
|| r !== t) return f || (l ? e[s] = f = c.pop() || b.guid++ : f = s), p[f] || (p[f] = {}, l || (p[f].toJSON
= b.noop)), ("object" == typeof n || "function" == typeof n) && (i ? p[f] = b.extend(p[f], n) :
p[f].data = b.extend(p[f].data, n)), o = p[f], i || (o.data || (o.data = {}), o = o.data), r !== t &&
(o[b.camelCase(n)] = r), u ? (a = o[n], null == a && (a = o[b.camelCase(n)])) : a = o, a } }
function R(e, t, n) { if (b.acceptData(e)) { var r, i, o, a = e.nodeType, s = a ? b.cache : e, u = a
? e[b.expando] : b.expando; if (s[u]) { if (t && (o = n ? s[u] : s[u].data)) { b.isArray(t) ? t =
t.concat(b.map(t, b.camelCase)) : t in o ? t = [t] : (t = b.camelCase(t), t = t in o ? [t] : t.split("
")); for (r = 0, i = t.length; i > r; r++) delete o[t[r]]; if (!(n ? $ : b.isEmptyObject)(o)) return }
(n || (delete s[u].data, $(s[u]))) && (a ? b.cleanData([e], !0) : b.support.deleteExpando || s !==
s.window ? delete s[u] : s[u] = null) } } } b.extend({ cache: {}, expando: "jQuery" + (p +
Math.random()).replace(/D/g, ""), noData: { embed: !0, object: "clsid:D27CDB6E-AE6D-
11cf-96B8-444553540000", applet: !0 }, hasData: function (e) { return e = e.nodeType ?
b.cache[e[b.expando]] : e[b.expando], !!e && !$(e) }, data: function (e, t, n) { return P(e, t, n)
}, removeData: function (e, t) { return R(e, t) }, _data: function (e, t, n) { return P(e, t, n, !0)
}, _removeData: function (e, t) { return R(e, t, !0) }, acceptData: function (e) { if
(e.nodeType && 1 !== e.nodeType && 9 !== e.nodeType) return !1; var t = e.nodeName
&& b.noData[e.nodeName.toLowerCase()]; return !t || t !== !0 && e.getAttribute("classid")
=== t } }, b.fn.extend({ data: function (e, n) { var r, i, o = this[0], a = 0, s = null; if (e === t)
{ if (this.length && (s = b.data(o), 1 === o.nodeType && !b._data(o, "parsedAttrs"))) { for (r =
o.attributes; r.length > a; a++) i = r[a].name, i.indexOf("data-") || (i =
b.camelCase(i.slice(5)), W(o, i, s[i])); b._data(o, "parsedAttrs", !0) } return s } return "object"
=== typeof e ? this.each(function () { b.data(this, e) }) : b.access(this, function (n) { return n
=== t ? o ? W(o, e, b.data(o, e)) : null : (this.each(function () { b.data(this, e, n) }), t), null,
n, arguments.length > 1, null, !0) }, removeData: function (e) { return this.each(function () {
b.removeData(this, e) }) } }); function W(e, n, r) { if (r === t && 1 === e.nodeType) { var i
= "data-" + n.replace(B, "-$1").toLowerCase(); if (r = e.getAttribute(i), "string" == typeof r) {

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try { r = "true" === r ? !0 : "false" === r ? !1 : "null" === r ? null : +r + "" === r ? +r :
O.test(r) ? b.parseJSON(r) : r } catch (o) { } b.data(e, n, r) } else r = t } return r } function
$(e) { var t; for (t in e) if (("data" !== t || !b.isEmptyObject(e[t])) && "toJSON" !== t) return
!1; return !0 } b.extend({ queue: function (e, n, r) { var i; return e ? (n = (n || "fx") + "queue",
i = b._data(e, n), r && (!i || b.isArray(r) ? i = b._data(e, n, b.makeArray(r)) : i.push(r)), i || [])
: t }, dequeue: function (e, t) { t = t || "fx"; var n = b.queue(e, t), r = n.length, i = n.shift(), o =
b._queueHooks(e, t), a = function () { b.dequeue(e, t) }; "inprogress" === i && (i = n.shift(),
r--), o.cur = i, i && ("fx" === t && n.unshift("inprogress"), delete o.stop, i.call(e, a, o)), !r
&& o && o.empty.fire() }, _queueHooks: function (e, t) { var n = t + "queueHooks"; return
b._data(e, n) || b._data(e, n, { empty: b.Callbacks("once memory").add(function () {
b._removeData(e, t + "queue"), b._removeData(e, n) }) }) }, b.fn.extend({ queue: function
(e, n) { var r = 2; return "string" !== typeof e && (n = e, e = "fx", r--), r > arguments.length ?
b.queue(this[0], e) : n === t ? this : this.each(function () { var t = b.queue(this, e, n);
b._queueHooks(this, e), "fx" === e && "inprogress" !== t[0] && b.dequeue(this, e) } ),
dequeue: function (e) { return this.each(function () { b.dequeue(this, e) } ), delay: function
(e, t) { return e = b.fx ? b.fx.speeds[e] || e : e, t = t || "fx", this.queue(t, function (t, n) { var r =
setTimeout(t, e); n.stop = function () { clearTimeout(r) } } ), clearQueue: function (e) {
return this.queue(e || "fx", []) }, promise: function (e, n) { var r, i = 1, o = b.Deferred(), a =
this, s = this.length, u = function () { --i || o.resolveWith(a, [a]) }; "string" !== typeof e && (n
= e, e = t), e = e || "fx"; while (s--) r = b._data(a[s], e + "queueHooks"), r && r.empty &&
(i++, r.empty.add(u)); return u(), o.promise(n) } }); var I, z, X = /\t\r\n/g, U = /\r/g, V =
/^(?:input|select|textarea|button|object)$/i, Y = /^(?:a|area)$/i, J =
/^(?:checked|selected|autofocus|autoplay|async|controls|defer|disabled|hidden|loop|multiple|open|
readonly|required|scoped)$/i, G = /^(?:checked|selected)$/i, Q = b.support.getSetAttribute,
K = b.support.input; b.fn.extend({ attr: function (e, t) { return b.access(this, b.attr, e, t,
arguments.length > 1) }, removeAttr: function (e) { return this.each(function () {
b.removeAttr(this, e) } ), prop: function (e, t) { return b.access(this, b.prop, e, t,
arguments.length > 1) }, removeProp: function (e) { return e = b.propFix[e] || e,
this.each(function () { try { this[e] = t, delete this[e] } catch (n) { } } ) }, addClass: function
(e) { var t, n, r, i, o, a = 0, s = this.length, u = "string" === typeof e && e; if (b.isFunction(e))
return this.each(function (t) { b(this).addClass(e.call(this, t, this.className)) }); if (u) for (t =
(e || "").match(w) || []; s > a; a++) if (n = this[a], r = 1 === n.nodeType && (n.className ? ("
" + n.className + " ").replace(X, " ") : " ")) { o = 0; while (i = t[o++]) 0 > r.indexOf(" " + i +
" ") && (r += i + " "); n.className = b.trim(r) } return this }, removeClass: function (e) { var
t, n, r, i, o, a = 0, s = this.length, u = 0 === arguments.length || "string" === typeof e && e; if
(b.isFunction(e)) return this.each(function (t) { b(this).removeClass(e.call(this, t,
this.className)) }); if (u) for (t = (e || "").match(w) || []; s > a; a++) if (n = this[a], r = 1 ===
n.nodeType && (n.className ? (" " + n.className + " ").replace(X, " ") : "")) { o = 0; while
(i = t[o++]) while (r.indexOf(" " + i + " ") >= 0) r = r.replace(" " + i + " ", " "); n.className =
e ? b.trim(r) : "" } return this }, toggleClass: function (e, t) { var n = typeof e, r = "boolean"
=== typeof t; return b.isFunction(e) ? this.each(function (n) { b(this).toggleClass(e.call(this, n,
this.className, t), t) }) : this.each(function () { if ("string" === n) { var o, a = 0, s = b(this), u
= t, l = e.match(w) || []; while (o = l[a++]) u = r ? u : !s.hasClass(o), s[u ? "addClass" :
"removeClass"](o) } else (n === i || "boolean" === n) && (this.className && b._data(this,
"__className__", this.className), this.className = this.className || e === !1 ? "" :
b._data(this, "__className__") || "") } }, hasClass: function (e) { var t = " " + e + " ", n = 0,
r = this.length; for (; r > n; n++) if (1 === this[n].nodeType && (" " + this[n].className +
").replace(X, " ").indexOf(t) >= 0) return !0; return !1 }, val: function (e) { var n, r, i, o =
this[0]; { if (arguments.length) return i = b.isFunction(e), this.each(function (n) { var o, a =
b(this); 1 === this.nodeType && (o = i ? e.call(this, n, a.val()) : e, null == o ? o = "" :

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"number" == typeof o ? o += "" : b.isArray(o) && (o = b.map(o, function (e) { return null ==
e ? "" : e + "" })), r = b.valHooks[this.type] || b.valHooks[this.nodeName.toLowerCase()], r
&& "set" in r && r.set(this, o, "value") !== t || (this.value = o)); if (o) return r =
b.valHooks[o.type] || b.valHooks[o.nodeName.toLowerCase()], r && "get" in r && (n =
r.get(o, "value")) !== t ? n : (n = o.value, "string" == typeof n ? n.replace(U, "") : null == n ?
"" : n) } } }, b.extend({ valHooks: { option: { get: function (e) { var t = e.attributes.value;
return !t || t.specified ? e.value : e.text } }, select: { get: function (e) { var t, n, r = e.options, i
= e.selectedIndex, o = "select-one" === e.type || 0 > i, a = o ? null : [], s = o ? i + 1 : r.length,
u = 0 > i ? s : o ? i : 0; for (; s > u; u++) if (n = r[u], !(n.selected && u !== i ||
(b.support.optDisabled ? n.disabled : null !== n.getAttribute("disabled"))) ||
n.parentNode.disabled && b.nodeName(n.parentNode, "optgroup")) { if (t = b(n).val(), o)
return t; a.push(t) } return a }, set: function (e, t) { var n = b.makeArray(t); return
b(e).find("option").each(function () { this.selected = b.inArray(b(this).val(), n) >= 0 }),
n.length || (e.selectedIndex = -1), n } } }, attr: function (e, n, r) { var o, a, s, u = e.nodeType;
if (e && 3 !== u && 8 !== u && 2 !== u) return typeof e.getAttribute === i ? b.prop(e, n, r)
: (a = 1 !== u || !b.isXMLDoc(e), a && (n = n.toLowerCase(), o = b.attrHooks[n] || (J.test(n)
? z : I)), r === t ? o && a && "get" in o && null !== (s = o.get(e, n)) ? s : (typeof
e.getAttribute !== i && (s = e.getAttribute(n)), null == s ? t : s) : null !== r ? o && a &&
"set" in o && (s = o.set(e, r, n)) !== t ? s : (e.setAttribute(n, r + ""), r) : (b.removeAttr(e, n,
t)) }, removeAttr: function (e, t) { var n, r, i = 0, o = t && t.match(w); if (o && 1 ===
e.nodeType) while (n = o[i++]) r = b.propFix[n] || n, J.test(n) ? !Q && G.test(n) ?
e[b.camelCase("default-" + n)] = e[r] = !1 : e[r] = !1 : b.attr(e, n, ""), e.removeAttribute(Q ? n
: r) }, attrHooks: { type: { set: function (e, t) { if (!b.support.radioValue && "radio" === t
&& b.nodeName(e, "input")) { var n = e.value; return e.setAttribute("type", t), n && (e.value
= n), t } } }, propFix: { tabIndex: "tabIndex", readonly: "readOnly", "for": "htmlFor",
"class": "className", maxlength: "maxLength", cellspacing: "cellSpacing", cellpadding:
"cellPadding", rowspan: "rowSpan", colspan: "colSpan", usemap: "useMap", frameborder:
"frameBorder", contenteditable: "contentEditable" }, prop: function (e, n, r) { var i, o, a, s =
e.nodeType; if (e && 3 !== s && 8 !== s && 2 !== s) return a = 1 !== s || !b.isXMLDoc(e),
a && (n = b.propFix[n] || n, o = b.propHooks[n]), r !== t ? o && "set" in o && (i = o.set(e, r,
n)) !== t ? i : e[n] = r : o && "get" in o && null !== (i = o.get(e, n)) ? i : e[n] }, propHooks: {
tabIndex: { get: function (e) { var n = e.getAttributeNode("tabindex"); return n &&
n.specified ? parseInt(n.value, 10) : V.test(e.nodeName) || Y.test(e.nodeName) && e.href ? 0
: t } } }, z = { get: function (e, n) { var r = b.prop(e, n), i = "boolean" == typeof r &&
e.getAttribute(n), o = "boolean" == typeof r ? K && Q ? null != i : G.test(n) ?
e[b.camelCase("default-" + n)] : !i : e.getAttributeNode(n); return o && o.value !== !1 ?
n.toLowerCase() : t }, set: function (e, t, n) { return t === !1 ? b.removeAttr(e, n) : K && Q ||
!G.test(n) ? e.setAttribute(!Q && b.propFix[n] || n, n) : e[b.camelCase("default-" + n)] = e[n]
= !0, n } }, K && Q || (b.attrHooks.value = { get: function (e, n) { var r =
e.getAttributeNode(n); return b.nodeName(e, "input") ? e.defaultValue : r && r.specified ?
r.value : t }, set: function (e, n, r) { return b.nodeName(e, "input") ? (e.defaultValue = n, t) : I
&& I.set(e, n, r) } } }, Q || (I = b.valHooks.button = { get: function (e, n) { var r =
e.getAttributeNode(n); return r && ("id" === n || "name" === n || "coords" === n ? "" !==
r.value : r.specified) ? r.value : t }, set: function (e, n, r) { var i = e.getAttributeNode(r);
return i || e.setAttributeNode(i = e.ownerDocument.createAttribute(r)), i.value = n += "",
"value" === r || n === e.getAttribute(r) ? n : t } }, b.attrHooks.contenteditable = { get: I.get,
set: function (e, t, n) { I.set(e, "" === t ? !1 : t, n) } }, b.each(["width", "height"], function (e,
n) { b.attrHooks[n] = b.extend(b.attrHooks[n], { set: function (e, r) { return "" === r ?
(e.setAttribute(n, "auto"), r) : t } } })), b.support.hrefNormalized || (b.each(["href", "src",
"width", "height"], function (e, n) { b.attrHooks[n] = b.extend(b.attrHooks[n], { get: function

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(e) { var r = e.getAttribute(n, 2); return null == r ? t : r } } }, b.each(["href", "src"], function
(e, t) { b.propHooks[t] = { get: function (e) { return e.getAttribute(t, 4) } } })), b.support.style
|| (b.attrHooks.style = { get: function (e) { return e.style.cssText || t }, set: function (e, t) {
return e.style.cssText = t + "" } } ), b.support.optSelected || (b.propHooks.selected =
b.extend(b.propHooks.selected, { get: function (e) { var t = e.parentNode; return t &&
(t.selectedIndex, t.parentNode && t.parentNode.selectedIndex), null } })), b.support enctype
|| (b.propFix.enctype = "encoding"), b.support.checkOn || b.each(["radio", "checkbox"],
function () { b.valHooks[this] = { get: function (e) { return null === e.getAttribute("value") ?
"on" : e.value } } }, b.each(["radio", "checkbox"], function () { b.valHooks[this] =
b.extend(b.valHooks[this], { set: function (e, n) { return b.isArray(n) ? e.checked =
b.inArray(b(e).val(), n) >= 0 : t } } })); var Z = /^(?:input|select|textarea)$/i, et = /^key/, tt =
/^(?:mouse|contextmenu)|click/, nt = /^(?:focusin|focus|focusout|blur)$/i, rt =
/^(?:[^\.]*)(?:\.(.+))$/; function it() { return !0 } function ot() { return !1 } b.event = { global:
{ }, add: function (e, n, r, o, a) { var s, u, l, c, p, f, d, h, g, m, y, v = b._data(e); if (v) {
r.handler && (c = r, r = c.handler, a = c.selector), r.guid || (r.guid = b.guid++), (u = v.events)
|| (u = v.events = { }), (f = v.handle) || (f = v.handle = function (e) { return typeof b === i || e
&& b.event.triggered === e.type ? t : b.event.dispatch.apply(f.elem, arguments) }, f.elem =
e), n = (n || "").match(w) || [""], l = n.length; while (l--) s = rt.exec(n[l]) || [], g = y = s[1], m =
(s[2] || "").split(".").sort(), p = b.event.special[g] || { }, g = (a ? p.delegateType : p.bindType) ||
g, p = b.event.special[g] || { }, d = b.extend({ type: g, origType: y, data: o, handler: r, guid:
r.guid, selector: a, needsContext: a && b.expr.match.needsContext.test(a), namespace:
m.join(".") }, c), (h = u[g]) || (h = u[g] = [], h.delegateCount = 0, p.setup && p.setup.call(e, o,
m, f) !== !1 || (e.addEventListener ? e.addEventListener(g, f, !1) : e.attachEvent &&
e.attachEvent("on" + g, f))), p.add && (p.add.call(e, d), d.handler.guid || (d.handler.guid =
r.guid)), a ? h.splice(h.delegateCount++, 0, d) : h.push(d), b.event.global[g] = !0; e = null } },
remove: function (e, t, n, r, i) { var o, a, s, u, l, c, p, f, d, h, g, m = b.hasData(e) &&
b._data(e); if (m && (c = m.events)) { t = (t || "").match(w) || [""], l = t.length; while (l--) if (s =
rt.exec(t[l]) || [], d = g = s[1], h = (s[2] || "").split(".").sort(), d) { p = b.event.special[d] || { },
d = (r ? p.delegateType : p.bindType) || d, f = c[d] || [], s = s[2] && RegExp("(^|\\.)" +
h.join("\\.(?:.*\\.|)") + "(\\.|$)"), u = o = f.length; while (o--) a = f[o], !i && g !== a.origType ||
n && n.guid !== a.guid || s && !s.test(a.namespace) || r && r !== a.selector && ("*" !== r ||
!a.selector) || (f.splice(o, 1), a.selector && f.delegateCount--, p.remove && p.remove.call(e,
a)); u && !f.length && (p.teardown && p.teardown.call(e, h, m.handle) !== !1 ||
b.removeEvent(e, d, m.handle), delete c[d]) } else for (d in c) b.event.remove(e, d + t[l], n, r,
!0); b.isEmptyObject(c) && (delete m.handle, b._removeData(e, "events")) } }, trigger:
function (n, r, i, a) { var s, u, l, c, p, f, d, h = [i || o], g = y.call(n, "type") ? n.type : n, m =
y.call(n, "namespace") ? n.namespace.split(".") : []; if (l = f = i = i || o, 3 !== i.nodeType &&
8 !== i.nodeType && !nt.test(g + b.event.triggered) && (g.indexOf(".") >= 0 && (m =
g.split("."), g = m.shift(), m.sort()), u = 0 > g.indexOf(":") && "on" + g, n = n[b.expando] ? n :
new b.Event(g, "object" === typeof n && n), n.isTrigger = !0, n.namespace = m.join("."),
n.namespace_re = n.namespace ? RegExp("(^|\\.)" + m.join("\\.(?:.*\\.|)") + "(\\.|$)") : null,
n.result = t, n.target || (n.target = i), r = null == r ? [n] : b.makeArray(r, [n]), p =
b.event.special[g] || { }, a || !p.trigger || p.trigger.apply(i, r) !== !1) { if (!a && !p.noBubble
&& !b.isWindow(i)) { for (c = p.delegateType || g, nt.test(c + g) || (l = l.parentNode); l =
l.parentNode) h.push(l), f = l; f === (i.ownerDocument || o) && h.push(f.defaultView ||
f.parentWindow || e) } d = 0; while ((l = h[d++]) && !n.isPropagationStopped()) n.type = d >
1 ? c : p.bindType || g, s = (b._data(l, "events") || { })[n.type] && b._data(l, "handle"), s &&
s.apply(l, r), s = u && l[u], s && b.acceptData(l) && s.apply && s.apply(l, r) === !1 &&
n.preventDefault(); if (n.type = g, !(a || n.isDefaultPrevented() || p._default &&
p._default.apply(i.ownerDocument, r) !== !1 || "click" === g && b.nodeName(i, "a")) ||

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!b.acceptData(i) || !u || !i[g] || b.isWindow(i))) { f = i[u], f && (i[u] = null), b.event.triggered
= g; try { i[g]() } catch (v) { } b.event.triggered = t, f && (i[u] = f) } return n.result } },
dispatch: function (e) { e = b.event.fix(e); var n, r, i, o, a, s = [], u = h.call(arguments), l =
(b._data(this, "events") || {})[e.type] || [], c = b.event.special[e.type] || {}; if (u[0] = e,
e.delegateTarget = this, !c.preDispatch || c.preDispatch.call(this, e) !== !1) { s =
b.event.handlers.call(this, e, l), n = 0; while ((o = s[n++]) && !e.isPropagationStopped()) {
e.currentTarget = o.elem, a = 0; while ((i = o.handlers[a++]) &&
!e.isImmediatePropagationStopped()) (!e.namespace_re || e.namespace_re.test(i.namespace))
&& (e.handleObj = i, e.data = i.data, r = ((b.event.special[i.origType] || {}).handle ||
i.handler).apply(o.elem, u), r !== t && (e.result = r) === !1 && (e.preventDefault(),
e.stopPropagation())) } return c.postDispatch && c.postDispatch.call(this, e), e.result } },
handlers: function (e, n) { var r, i, o, a, s = [], u = n.delegateCount, l = e.target; if (u &&
l.nodeType && (!e.button || "click" !== e.type)) for (; l != this; l = l.parentNode || this) if (l
=== l.nodeType && (l.disabled !== !0 || "click" !== e.type)) { for (o = [], a = 0; u > a; a++) i
= n[a], r = i.selector + " ", o[r] === t && (o[r] = i.needsContext ? b(r, this).index(l) >= 0 :
b.find(r, this, null, [l]).length), o[r] && o.push(i); o.length && s.push({ elem: l, handlers: o
}) } return n.length > u && s.push({ elem: this, handlers: n.slice(u) }), s }, fix: function (e) {
if (e[b.expando]) return e; var t, n, r, i = e.type, a = e, s = this.fixHooks[i]; s ||
(this.fixHooks[i] = s = tt.test(i) ? this.mouseHooks : et.test(i) ? this.keyHooks : {}), r =
s.props ? this.props.concat(s.props) : this.props, e = new b.Event(a, t = r.length; while (t--) n
= r[t], e[n] = a[n]; return e.target || (e.target = a.srcElement || o), 3 === e.target.nodeType &&
(e.target = e.target.parentNode), e.metaKey = !!e.metaKey, s.filter ? s.filter(e, a) : e }, props:
"altKey bubbles cancelable ctrlKey currentTarget eventPhase metaKey relatedTarget
shiftKey target timeStamp view which".split(" "), fixHooks: {}, keyHooks: { props: "char
charCode key keyCode".split(" "), filter: function (e, t) { return null == e.which && (e.which
= null != t.charCode ? t.charCode : t.keyCode), e } }, mouseHooks: { props: "button buttons
clientX clientY fromElement offsetX offsetY pageX pageY screenX screenY
toElement".split(" "), filter: function (e, n) { var r, i, a, s = n.button, u = n.fromElement;
return null == e.pageX && null != n.clientX && (i = e.target.ownerDocument || o, a =
i.documentElement, r = i.body, e.pageX = n.clientX + (a && a.scrollLeft || r && r.scrollLeft
|| 0) - (a && a.clientLeft || r && r.clientLeft || 0), e.pageY = n.clientY + (a && a.scrollTop
|| r && r.scrollTop || 0) - (a && a.clientTop || r && r.clientTop || 0)), !e.relatedTarget && u &&
(e.relatedTarget = u === e.target ? n.toElement : u), e.which || s === t || (e.which = 1 & s ? 1 :
2 & s ? 3 : 4 & s ? 2 : 0), e } }, special: { load: { noBubble: !0 }, click: { trigger: function () {
return b.nodeName(this, "input") && "checkbox" === this.type && this.click ? (this.click(),
!1) : t } }, focus: { trigger: function () { if (this !== o.activeElement && this.focus) try {
return this.focus(), !1 } catch (e) { } }, delegateType: "focusin" }, blur: { trigger: function () {
return this === o.activeElement && this.blur ? (this.blur(), !1) : t }, delegateType: "focusout"
}, beforeunload: { postDispatch: function (e) { e.result !== t &&
(e.originalEvent.returnValue = e.result) } } }, simulate: function (e, t, n, r) { var i =
b.extend(new b.Event, n, { type: e, isSimulated: !0, originalEvent: {} }); r ? b.event.trigger(i,
null, t) : b.event.dispatch.call(t, i), i.isDefaultPrevented() && n.preventDefault() } },
b.removeEvent = o.removeEventListener ? function (e, t, n) { e.removeEventListener &&
e.removeEventListener(t, n, !1) } : function (e, t, n) { var r = "on" + t; e.detachEvent &&
(typeof e[r] === i && (e[r] = null), e.detachEvent(r, n)) }, b.Event = function (e, n) { return
this instanceof b.Event ? (e && e.type ? (this.originalEvent = e, this.type = e.type,
this.isDefaultPrevented = e.defaultPrevented || e.returnValue === !1 || e.getPreventDefault
&& e.getPreventDefault() ? it : ot) : this.type = e, n && b.extend(this, n), this.timeStamp = e
&& e.timeStamp || b.now(), this[b.expando] = !0, t) : new b.Event(e, n) }, b.Event.prototype
= { isDefaultPrevented: ot, isPropagationStopped: ot, isImmediatePropagationStopped: ot,

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preventDefault: function () { var e = this.originalEvent; this.isDefaultPrevented = it, e &&
(e.preventDefault ? e.preventDefault() : e.returnValue = !1) }, stopPropagation: function () {
var e = this.originalEvent; this.isPropagationStopped = it, e && (e.stopPropagation &&
e.stopPropagation(), e.cancelBubble = !0) }, stopImmediatePropagation: function () {
this.isImmediatePropagationStopped = it, this.stopPropagation() } }, b.each({ mouseenter:
"mouseover", mouseleave: "mouseout" }, function (e, t) {

    b.event.special[e] = { delegateType: t, bindType: t, handle: function (e) {

        var n, r = this, i = e.relatedTarget, o = e.handleObj;

        return (!i || i !== r && !b.contains(r, i)) && (e.type = o.origType, n =
o.handler.apply(this, arguments), e.type = t), n

    }

}

    }), b.support.submitBubbles || (b.event.special.submit = { setup: function () { return
b.nodeName(this, "form") ? !1 : (b.event.add(this, "click._submit keypress._submit", function
(e) { var n = e.target, r = b.nodeName(n, "input") || b.nodeName(n, "button") ? n.form : t; r
&& !b._data(r, "submitBubbles") && (b.event.add(r, "submit._submit", function (e) {
e._submit_bubble = !0 })), b._data(r, "submitBubbles", !0)) })), t }, postDispatch: function (e)
{ e._submit_bubble && (delete e._submit_bubble, this.parentNode && !e.isTrigger &&
b.event.simulate("submit", this.parentNode, e, !0)) }, teardown: function () { return
b.nodeName(this, "form") ? !1 : (b.event.remove(this, "._submit"), t) } }),
b.support.changeBubbles || (b.event.special.change = { setup: function () { return
Z.test(this.nodeName) ? (("checkbox" === this.type || "radio" === this.type) &&
(b.event.add(this, "propertychange._change", function (e) { "checked" ===
e.originalEvent.propertyName && (this._just_changed = !0) })), b.event.add(this,
"click._change", function (e) { this._just_changed && !e.isTrigger && (this._just_changed =
!1), b.event.simulate("change", this, e, !0) })), !1 : (b.event.add(this,
"beforeactivate._change", function (e) { var t = e.target; Z.test(t.nodeName) && !b._data(t,
"changeBubbles") && (b.event.add(t, "change._change", function (e) { !this.parentNode ||
e.isSimulated || e.isTrigger || b.event.simulate("change", this.parentNode, e, !0) })), b._data(t,
"changeBubbles", !0) })), t }, handle: function (e) { var n = e.target; return this !== n ||
e.isSimulated || e.isTrigger || "radio" !== n.type && "checkbox" !== n.type ?
e.handleObj.handler.apply(this, arguments) : t }, teardown: function () { return
b.event.remove(this, "._change"), !Z.test(this.nodeName) } }), b.support.focusinBubbles ||
b.each({ focus: "focusin", blur: "focusout" }, function (e, t) { var n = 0, r = function (e) {
b.event.simulate(t, e.target, b.event.fix(e), !0) }; b.event.special[t] = { setup: function () { 0
=== n++ && o.addEventListener(e, r, !0) }, teardown: function () { 0 === --n &&
o.removeEventListener(e, r, !0) } } }, b.fn.extend({ on: function (e, n, r, i, o) { var a, s; if
("object" === typeof e) { "string" !== typeof n && (r = r || n, n = t); for (a in e) this.on(a, n, r,
e[a], o); return this } if (null == r && null == i ? (i = n, r = n = t) : null == i && ("string" ===
typeof n ? (i = r, r = t) : (i = r, r = n, n = t)), i === !1) i = ot; else if (!i) return this; return 1
=== o && (s = i, i = function (e) { return b().off(e), s.apply(this, arguments) }, i.guid = s.guid
|| (s.guid = b.guid++)), this.each(function () { b.event.add(this, e, i, r, n) } }), one: function (e,
t, n, r) { return this.on(e, t, n, r, 1) }, off: function (e, n, r) { var i, o; if (e &&
e.preventDefault && e.handleObj) return i = e.handleObj,
b(e.delegateTarget).off(i.namespace ? i.origType + "." + i.namespace : i.origType, i.selector,
i.handler), this; if ("object" === typeof e) { for (o in e) this.off(o, n, e[o]); return this } return

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(n === !1 || "function" == typeof n) && (r = n, n = t), r === !1 && (r = ot), this.each(function() { b.event.remove(this, e, r, n) } ), bind: function(e, t, n) { return this.on(e, null, t, n) }, unbind: function(e, t) { return this.off(e, null, t) }, delegate: function(e, t, n, r) { return this.on(t, e, n, r) }, undelegate: function(e, t, n) { return 1 === arguments.length ? this.off(e, "**") : this.off(t, e || "**", n) }, trigger: function(e, t) { return this.each(function() { b.event.trigger(e, t, this) }) }, triggerHandler: function(e, n) { var r = this[0]; return r ? b.event.trigger(e, n, r, !0) : t } }, function(e, t) { var n, r, i, o, a, s, u, l, c, p, f, d, h, g, m, y, v, x = "sizzle" + -new Date, w = e.document, T = {}, N = 0, C = 0, k = it(), E = it(), S = it(), A = typeof t, j = 1 << 31, D = [], L = D.pop, H = D.push, q = D.slice, M = D.indexOf || function(e) { var t = 0, n = this.length; for (; n > t; t++) if (this[t] === e) return t; return -1 }, _ = "[\\x20\\t\\r\\n\\f]", F = "(?:\\\\\\\\.[\\\\w-]|^\\\\x00-\\\\xa0|)", O = F.replace("w", "w#"), B = "([\\^$!~]?=)", P = "\\[" + _ + "*" + "(" + F + ")" + _ + "*(:)" + B + _ + "*" + "(?:([\\"])(?:\\\\\\\\.|[^\\""])*?)\\\\3|(\" + O + \")))" + _ + "*\\\\]", R = ":(" + F + ")":(?:\\\\((([\\"])(?:\\\\\\\\.|[^\\""])*?)\\\\3|((?:\\\\\\\\.|[^\\""]*)O[\\\\])" + P.replace(3, 8) + ")*)\\.*)\\\\)", W = RegExp("^" + _ + "+|((?:^|^[\\\\\\\\])(?:\\\\\\\\.)*" + _ + "+$", "g"), $ = RegExp("^" + _ + "*", "g"), I = RegExp("^" + _ + "*" + ([\\x20\\t\\r\\n\\f]+~)" + _ + "*"), z = RegExp(R), X = RegExp("^" + O + "$"), U = { ID: RegExp("#(" + F + ")"), CLASS: RegExp("\\.( " + F + ")"), NAME: RegExp("[name=('[\"]?('" + F + ")['\"]?\\\\)]"), TAG: RegExp("(" + F.replace("w", "w*") + ")"), ATTR: RegExp("^" + P), PSEUDO: RegExp("^" + R), CHILD: RegExp("^:(only|first|last|nth|nth-last)-(child|of-type)":(?:\\((" + _ + "*" + "(even|odd|((["+ ~])\\\\(d*)n)" + _ + "*" + "(?:[+-])" + _ + "*" + "(\\\\d+))" + _ + "*" + "\\\\)|)", "i"), needsContext: RegExp("^" + _ + "*" + "[>~]:"(even|odd|eq|gt|lt|nth|first|last)":(?:\\((" + _ + "*" + "(?:[:-\\\\d)?\\\\d*" + _ + "*" + "\\\\)|)":(?:[^-]$)", "i") }, V = /[\\x20\\t\\r\\n\\f]*[+~]/, Y = /^[^{}+\\s*\\\\[native code/, J = /^(?:#([\\w-]+)|(\\w+)|(\\.([\\w-]+)))$/, G = /^(?:input|select|textarea|button)$/i, Q = /^h\d$/i, K = "/\\\\w/g, Z = /^[\\x20\\t\\r\\n\\f]*([\\'"]*)[\\x20\\t\\r\\n\\f]*$/g, et = /(\\da-fA-{1,6}[\\x20\\t\\r\\n\\f]?\\.)/g, tt = function(e, t) { var n = "0x" + t - 65536; return n !== n ? t : 0 > n ? String.fromCharCode(n + 65536) : String.fromCharCode(55296 | n >> 10, 56320 | 1023 & n) }; try { q.call(w.documentElement.childNodes, 0)[0].nodeType } catch (nt) { q = function(e) { var t, n = []; while (t = this[e++]) n.push(t); return n } } function rt(e) { return Y.test(e + "") } function it() { var e, t = []; return e = function(n, r) { return t.push(n += " ") > i.cacheLength && delete e[t.shift()], e[n] = r } } function ot(e) { return e[x] != 0, e } function at(e) { var t = p.createElement("div"); try { return e(t) } catch (n) { return !1 } finally { t = null } } function st(e, t, n, r) { var i, o, a, s, u, l, f, g, m, v; if ((t ? t.ownerDocument || t : w) !== p && c(t), t = t || p, n = n || [], !e || "string" != typeof e) return n; if (1 !== (s = t.nodeType) && 9 !== s) return []; if (!d && !r) { if (i = J.exec(e)) if (a = i[1]) { if (9 === s) { if (o = t.getElementById(a), !o || !o.parentNode) return n; if (o.id === a) return n.push(o), n } else if (t.ownerDocument && (o = t.ownerDocument.getElementById(a)) && y(t, o) && o.id === a) return n.push(o), n } else { if (i[2]) return H.apply(n, q.call(t.getElementsByTagName(e), 0)), n; if ((a = i[3]) && T.getByClassName && t.getElementsByClassName) return H.apply(n, q.call(t.getElementsByClassName(a), 0)), n } if (T.qsa && !h.test(e)) { if (f = !0, g = x, m = t, v = 9 === s && e, 1 === s && "object" !== t.nodeName.toLowerCase()) { l = ft(e), (f = t.getAttribute("id")) ? g = f.replace(K, "\\$&") : t.setAttribute("id", g), g = "[id='" + g + "']", u = l.length; while (u--) l[u] = g + dt(l[u]); m = V.test(e) && t.parentNode || t, v = l.join(",") } if (v) try { return H.apply(n, q.call(m.querySelectorAll(v), 0)), n } catch (b) {} finally { f || t.removeAttribute("id") } } } return wt(e.replace(W, "$1"), t, n, r) } a = st.isXML = function(e) { var t = e && (e.ownerDocument || e).documentElement; return t ? "HTML" !== t.nodeName : !1 }, c = st.setDocument = function(e) { var n = e ? e.ownerDocument || e : w; return n !== p && 9 === n.nodeType && n.documentElement ? (p = n, f = n.documentElement, d = a(n), T.tagNameNoComments = at(function(e) { return e.appendChild(n.createComment("")),
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!e.getElementsByTagName("*").length }}, T.attributes = at(function (e) { e.innerHTML =
"<select></select>"; var t = typeof e.lastChild.getAttribute("multiple"); return "boolean" !==
t && "string" !== t }, T.getByClassName = at(function (e) { return e.innerHTML = "<div
class='hidden e'></div><div class='hidden'></div>", e.getElementsByTagName &&
e.getElementsByTagName("e").length ? (e.lastChild.className = "e", 2 ===
e.getElementsByTagName("e").length) : !1 }, T.getByName = at(function (e) { e.id = x +
0, e.innerHTML = "<a name='" + x + "'></a><div name='" + x + "'></div>", f.insertBefore(e,
f.firstChild); var t = n.getElementsByTagName && n.getElementsByTagName(x).length === 2 +
n.getElementsByTagName(x + 0).length; return T.getIdNotName = !n.getElementById(x),
f.removeChild(e, t }, i.attrHandle = at(function (e) { return e.innerHTML = "<a
href='#'></a>", e.firstChild && typeof e.firstChild.getAttribute !== A && "#" ===
e.firstChild.getAttribute("href") }) ? { } : { href: function (e) { return e.getAttribute("href", 2)
}, type: function (e) { return e.getAttribute("type") } }, T.getIdNotName ? (i.find.ID =
function (e, t) { if (typeof t.getElementById !== A && !d) { var n = t.getElementById(e);
return n && n.parentNode ? [n] : [] }, i.filter.ID = function (e) { var t = e.replace(et, tt);
return function (e) { return e.getAttribute("id") === t } }) : (i.find.ID = function (e, n) { if
(typeof n.getElementById !== A && !d) { var r = n.getElementById(e); return r ? r.id === e
|| typeof r.getAttributeNode !== A && r.getAttributeNode("id").value === e ? [r] : [] },
i.filter.ID = function (e) { var t = e.replace(et, tt); return function (e) { var n = typeof
e.getAttributeNode !== A && e.getAttributeNode("id"); return n && n.value === t } })),
i.find.TAG = T.tagNameNoComments ? function (e, n) { return typeof
n.getElementsByTagName !== A ? n.getElementsByTagName(e) : t } : function (e, t) { var
n, r = [], i = 0, o = t.getElementsByTagName(e); if ("*" === e) { while (n = o[i++]) 1 ===
n.nodeType && r.push(n); return r } return o }, i.find.NAME = T.getByName && function
(e, n) { return typeof n.getElementsByTagName !== A ? n.getElementsByTagName(name) : t },
i.find.CLASS = T.getByClassName && function (e, n) { return typeof
n.getElementsByTagName === A || d ? t : n.getElementsByTagName(e) }, g = [], h =
[":focus"], (T.qsa = rt(n.querySelectorAll)) && (at(function (e) { e.innerHTML =
"<select><option selected='></option></select>", e.querySelectorAll("[selected]").length ||
h.push("\\" + _ + "*(?:checked|disabled|ismap|multiple|readonly|selected|value)"),
e.querySelectorAll(":checked").length || h.push(":checked") }, at(function (e) {
e.innerHTML = "<input type='hidden' i='>", e.querySelectorAll("[i^=']").length &&
h.push("[^$]='" + _ + "*(?:\\\"|\\'|)"), e.querySelectorAll(":enabled").length ||
h.push(":enabled", ":disabled"), e.querySelectorAll("*,:x"), h.push(",*:") })),
(T.matchesSelector = rt(m = f.matchesSelector || f.mozMatchesSelector ||
f.webkitMatchesSelector || f.oMatchesSelector || f.msMatchesSelector)) && at(function (e) {
T.disconnectedMatch = m.call(e, "div"), m.call(e, "[s!=']:x"), g.push("!", R) }, h =
RegExp(h.join("|")), g = RegExp(g.join("|")), y = rt(f.contains) || f.compareDocumentPosition
? function (e, t) { var n = 9 === e.nodeType ? e.documentElement : e, r = t && t.parentNode;
return e === r || !(r || 1 !== r.nodeType || !(n.contains ? n.contains(r) :
e.compareDocumentPosition && 16 & e.compareDocumentPosition(r))) } : function (e, t) {
if (t) while (t = t.parentNode) if (t === e) return !0; return !1 }, v =
f.compareDocumentPosition ? function (e, t) { var r; return e === t ? (u = !0, 0) : (r =
t.compareDocumentPosition && e.compareDocumentPosition &&
e.compareDocumentPosition(t)) ? 1 & r || e.parentNode && 11 === e.parentNode.nodeType
? e === n || y(w, e) ? -1 : t === n || y(w, t) ? 1 : 0 : 4 & r ? -1 : 1 :
e.compareDocumentPosition ? -1 : 1 } : function (e, t) { var r, i = 0, o = e.parentNode, a =
t.parentNode, s = [e], l = [t]; if (e === t) return u = !0, 0; if (!o || !a) return e === n ? -1 : t
=== n ? 1 : o ? -1 : a ? 1 : 0; if (o === a) return ut(e, t); r = e; while (r = r.parentNode)
s.unshift(r); r = t; while (r = r.parentNode) l.unshift(r); while (s[i] === l[i]) i++; return i ?

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ut(s[i], l[i]) : s[i] === w ? -1 : l[i] === w ? 1 : 0 }, u = !1, [0, 0].sort(v), T.detectDuplicates =
u, p) : p }, st.matches = function (e, t) { return st(e, null, null, t) }, st.matchesSelector =
function (e, t) { if ((e.ownerDocument || e) !== p && c(e), t = t.replace(Z, "$1"),
!(T.matchesSelector || d || g && g.test(t) || h.test(t))) try { var n = m.call(e, t); if (n ||
T.disconnectedMatch || e.document && 11 !== e.document.nodeType) return n } catch (r) { }
return st(t, p, null, [e]).length > 0 }, st.contains = function (e, t) { return (e.ownerDocument ||
e) !== p && c(e), y(e, t) }, st.attr = function (e, t) { var n; return (e.ownerDocument || e) !==
p && c(e), d || (t = t.toLowerCase()), (n = i.attrHandle[t]) ? n(e) : d || T.attributes ?
e.getAttribute(t) : ((n = e.getAttributeNode(t)) || e.getAttribute(t)) && e[t] === !0 ? t : n &&
n.specified ? n.value : null }, st.error = function (e) { throw Error("Syntax error,
unrecognized expression: " + e) }, st.uniqueSort = function (e) { var t, n = [], r = 1, i = 0; if (u
= !T.detectDuplicates, e.sort(v), u) { for (; t = e[r]; r++) t === e[r - 1] && (i = n.push(r));
while (i--) e.splice(n[i], 1) } return e }; function ut(e, t) { var n = t && e, r = n &&
(~t.sourceIndex || j) - (~e.sourceIndex || j); if (r) return r; if (n) while (n = n.nextSibling) if (n
=== t) return -1; return e ? 1 : -1 } function lt(e) { return function (t) { var n =
t.nodeName.toLowerCase(); return "input" === n && t.type === e } } function ct(e) { return
function (t) { var n = t.nodeName.toLowerCase(); return ("input" === n || "button" === n)
&& t.type === e } } function pt(e) { return ot(function (t) { return t = +t, ot(function (n, r) {
var i, o = e([], n.length, t), a = o.length; while (a--) n[i = o[a]] && (n[i] = !(r[i] = n[i])) }) })
o = st.getText = function (e) { var t, n = "", r = 0, i = e.nodeType; if (i) { if (1 === i || 9 === i
|| 11 === i) { if ("string" === typeof e.textContent) return e.textContent; for (e = e.firstChild;
e; e = e.nextSibling) n += o(e) } else if (3 === i || 4 === i) return e.nodeValue } else for (; t =
e[r]; r++) n += o(t); return n }, i = st.selectors = { cacheLength: 50, createPseudo: ot, match:
U, find: {}, relative: { ">": { dir: "parentNode", first: !0 }, " ": { dir: "parentNode" }, "+": {
dir: "previousSibling", first: !0 }, "~": { dir: "previousSibling" } }, preFilter: { ATTR:
function (e) { return e[1] = e[1].replace(et, tt), e[3] = (e[4] || e[5] || "").replace(et, tt), "~="
=== e[2] && (e[3] = " " + e[3] + " "), e.slice(0, 4) }, CHILD: function (e) { return e[1] =
e[1].toLowerCase(), "nth" === e[1].slice(0, 3) ? (e[3] || st.error(e[0]), e[4] = +(e[4] ? e[5] +
(e[6] || 1) : 2 * ("even" === e[3] || "odd" === e[3])), e[5] = +(e[7] + e[8] || "odd" === e[3])) :
e[3] && st.error(e[0], e ), PSEUDO: function (e) { var t, n = !e[5] && e[2]; return
U.CHILD.test(e[0]) ? null : (e[4] ? e[2] = e[4] : n && z.test(n) && (t = ft(n, !0)) && (t =
n.indexOf("("), n.length - t) - n.length) && (e[0] = e[0].slice(0, t), e[2] = n.slice(0, t)),
e.slice(0, 3)) } }, filter: { TAG: function (e) { return "*" === e ? function () { return !0 } : (e
= e.replace(et, tt).toLowerCase(), function (t) { return t.nodeName &&
t.nodeName.toLowerCase() === e }) }, CLASS: function (e) { var t = k[e + " "]; return t || (t
= RegExp("(^|" + _ + ") " + e + "(" + _ + "|$)")) && k(e, function (e) { return
t.test(e.className || typeof e.getAttribute !== A && e.getAttribute("class") || "") }) }, ATTR:
function (e, t, n) { return function (r) { var i = st.attr(r, e); return null == i ? "!=" === t : t ? (i
+= "", "=" === t ? i === n : "!=" === t ? i !== n : "^=" === t ? n && 0 === i.indexOf(n) :
"*=" === t ? n && i.indexOf(n) > -1 : "$=" === t ? n && i.slice(-n.length) === n : "~=" ===
t ? (" " + i + " ").indexOf(n) > -1 : "|=" === t ? i === n || i.slice(0, n.length + 1) === n + "-":
!1) : !0 } }, CHILD: function (e, t, n, r, i) { var o = "nth" !== e.slice(0, 3), a = "last" !==
e.slice(-4), s = "of-type" === t; return 1 === r && 0 === i ? function (e) { return
!e.parentNode } : function (t, n, u) { var l, c, p, f, d, h, g = o !== a ? "nextSibling" :
"previousSibling", m = t.parentNode, y = s && t.nodeName.toLowerCase(), v = !u && !s; if
(m) { if (o) { while (g) { p = t; while (p = p[g]) if (s ? p.nodeName.toLowerCase() === y : 1
=== p.nodeType) return !1; h = g = "only" === e && !h && "nextSibling" } return !0 } if (h
= [a ? m.firstChild : m.lastChild], a && v) { c = m[x] || (m[x] = {}), l = c[e] || [], d = l[0] ===
N && l[1], f = l[0] === N && l[2], p = d && m.childNodes[d]; while (p = ++d && p &&
p[g] || (f = d = 0) || h.pop()) if (1 === p.nodeType && ++f && p === t) { c[e] = [N, d, f];

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break } } else if (v && (l = (t[x] || (t[x] = {}))[e]) && l[0] === N) f = l[1]; else while (p =
++d && p && p[g] || (f = d = 0) || h.pop()) if ((s ? p.nodeName.toLowerCase() === y : 1 ===
p.nodeType) && ++f && (v && ((p[x] || (p[x] = {}))[e] = [N, f]), p === t)) break; return f -=
i, f === r || 0 === f % r && f / r >= 0 } } }, PSEUDO: function (e, t) { var n, r = i.pseudos[e]
|| i.setFilters[e.toLowerCase()] || st.error("unsupported pseudo: " + e); return r[x] ? r(t) :
r.length > 1 ? (n = [e, e, "", t], i.setFilters.hasOwnProperty(e.toLowerCase()) ? ot(function (e,
n) { var i, o = r(e, t), a = o.length; while (a--) i = M.call(e, o[a]), e[i] = !(n[i] = o[a]) }) :
function (e) { return r(e, 0, n) }) : r ) : pseudos: { not: ot(function (e) { var t = [], n = [], r =
s(e.replace(W, "$1")); return r[x] ? ot(function (e, t, n, i) { var o, a = r(e, null, i, []), s =
e.length; while (s--) (o = a[s]) && (e[s] = !(t[s] = o)) }) : function (e, i, o) { return t[0] = e,
r(t, null, o, n), !n.pop() } }), has: ot(function (e) { return function (t) { return st(e, t).length >
0 } }), contains: ot(function (e) { return function (t) { return (t.textContent || t.innerText ||
o(t)).indexOf(e) > -1 } }), lang: ot(function (e) { return X.test(e || "") || st.error("unsupported
lang: " + e), e = e.replace(et, tt).toLowerCase(), function (t) { var n; do if (n = d ?
t.getAttribute("xml:lang") || t.getAttribute("lang") : t.lang) return n = n.toLowerCase(), n ===
e || 0 === n.indexOf(e + "-"); while ((t = t.parentNode) && 1 === t.nodeType); return !1 } })),
target: function (t) { var n = e.location && e.location.hash; return n && n.slice(1) === t.id },
root: function (e) { return e === f }, focus: function (e) { return e === p.activeElement &&
(!p.hasFocus || p.hasFocus()) && !(e.type || e.href || ~e.tabIndex) }, enabled: function (e) {
return e.disabled === !1 }, disabled: function (e) { return e.disabled === !0 }, checked:
function (e) { var t = e.nodeName.toLowerCase(); return "input" === t && !!e.checked ||
"option" === t && !!e.selected }, selected: function (e) { return e.parentNode &&
e.parentNode.selectedIndex, e.selected === !0 }, empty: function (e) { for (e = e.firstChild; e;
e = e.nextSibling) if (e.nodeName > "@" || 3 === e.nodeType || 4 === e.nodeType) return !1;
return !0 }, parent: function (e) { return !i.pseudos.empty(e) }, header: function (e) { return
Q.test(e.nodeName) }, input: function (e) { return G.test(e.nodeName) }, button: function (e)
{ var t = e.nodeName.toLowerCase(); return "input" === t && "button" === e.type ||
"button" === t }, text: function (e) { var t; return "input" === e.nodeName.toLowerCase()
&& "text" === e.type && (null == (t = e.getAttribute("type")) || t.toLowerCase() === e.type)
}, first: pt(function () { return [0] }), last: pt(function (e, t) { return [t - 1] }), eq: pt(function
(e, t, n) { return [0 > n ? n + t : n] }), even: pt(function (e, t) { var n = 0; for (; t > n; n += 2)
e.push(n); return e }), odd: pt(function (e, t) { var n = 1; for (; t > n; n += 2) e.push(n); return
e }), lt: pt(function (e, t, n) { var r = 0 > n ? n + t : n; for (; --r >= 0; ) e.push(r); return e
}), gt: pt(function (e, t, n) { var r = 0 > n ? n + t : n; for (; t > ++r; ) e.push(r); return e
} } } }; for (n in { radio: !0, checkbox: !0, file: !0, password: !0, image: !0 }) i.pseudos[n] = lt(n); for (n in {
submit: !0, reset: !0 }) i.pseudos[n] = ct(n); function ft(e, t) { var n, r, o, a, s, u, l, c = E[e + "
"]; if (c) return t ? 0 : c.slice(0); s = e, u = [], l = i.preFilter; while (s) { (!n || (r = $.exec(s)))
&& (r && (s = s.slice(r[0].length) || s), u.push(o = [])), n = !1, (r = l.exec(s)) && (n =
r.shift(), o.push({ value: n, type: r[0].replace(W, " ") }), s = s.slice(n.length)); for (a in i.filter)
!(r = U[a].exec(s)) || l[a] && !(r = l[a](r)) || (n = r.shift(), o.push({ value: n, type: a, matches: r
})), s = s.slice(n.length); if (!n) break } return t ? s.length : s ? st.error(e) : E(e, u).slice(0) }
function dt(e) { var t = 0, n = e.length, r = ""; for (; n > t; t++) r += e[t].value; return r }
function ht(e, t, n) { var i = t.dir, o = n && "parentNode" === i, a = C++; return t.first ?
function (t, n, r) { while (t = t[i]) if (1 === t.nodeType || o) return e(t, n, r) } : function (t, n, s)
{ var u, l, c, p = N + " " + a; if (s) { while (t = t[i]) if ((1 === t.nodeType || o) && e(t, n, s))
return !0 } else while (t = t[i]) if (1 === t.nodeType || o) if (c = t[x] || (t[x] = {}), (l = c[i]) &&
l[0] === p) { if ((u = l[1]) === !0 || u === r) return u === !0 } else if (l = c[i] = [p], l[1] = e(t,
n, s) || r, l[1] === !0) return !0 } } function gt(e) { return e.length > 1 ? function (t, n, r) { var
i = e.length; while (i--) if (!e[i](t, n, r)) return !1; return !0 } : e[0] } function mt(e, t, n, r, i) {
var o, a = [], s = 0, u = e.length, l = null != t; for (; u > s; s++) (o = e[s]) && (!n || n(o, r, i))

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&& (a.push(o), l && t.push(s)); return a } function yt(e, t, n, r, i, o) { return r && !r[x] && (r
= yt(r)), i && !i[x] && (i = yt(i, o)), ot(function (o, a, s, u) { var l, c, p, f = [], d = [], h =
a.length, g = o || xt(t || "*", s.nodeType ? [s] : s, []), m = !e || !o && t ? g : mt(g, f, e, s, u), y =
n ? i || (o ? e : h || r) ? [] : a : m; if (n && n(m, y, s, u), r) { l = mt(y, d), r(l, [], s, u), c =
l.length; while (c--) (p = l[c]) && (y[d[c]] = !(m[d[c]] = p)) } if (o) { if (i || e) { if (i) { l = [],
c = y.length; while (c--) (p = y[c]) && l.push(m[c] = p); i(null, y = [], l, u) } c = y.length;
while (c--) (p = y[c]) && (l = i ? M.call(o, p) : f[c]) > -1 && (o[l] = !(a[l] = p)) } } else y =
mt(y === a ? y.splice(h, y.length) : y), i ? i(null, a, y, u) : H.apply(a, y) } } function vt(e) {
var t, n, r, o = e.length, a = i.relative[e[0].type], s = a || i.relative[" "], u = a ? 1 : 0, c =
ht(function (e) { return e === t }, s, !0), p = ht(function (e) { return M.call(t, e) > -1 }, s, !0), f
= [function (e, n, r) { return !a && (r || n !== l) || ((t = n).nodeType ? c(e, n, r) : p(e, n, r)) } ];
for (; o > u; u++) if (n = i.relative[e[u].type]) f = [ht(gt(f), n)]; else { if (n =
i.filter[e[u].type].apply(null, e[u].matches), n[x]) { for (r = ++u; o > r; r++) if
(i.relative[e[r].type]) break; return yt(u > 1 && gt(f), u > 1 && dt(e.slice(0, u -
1)).replace(W, "$1"), n, r > u && vt(e.slice(u, r)), o > r && vt(e = e.slice(r)), o > r && dt(e))
} f.push(n) } return gt(f) } function bt(e, t) { var n = 0, o = t.length > 0, a = e.length > 0, s =
function (s, u, c, f, d) { var h, g, m, y = [], v = 0, b = "0", x = s && [], w = null != d, T = 1, C
= s || a && i.find.TAG("*", d && u.parentNode || u), k = N += null == T ? 1 : Math.random()
|| .1; for (w && (l = u != p && u, r = n); null != (h = C[b]); b++) { if (a && h) { g = 0;
while (m = e[g++]) if (m(h, u, c)) { f.push(h); break } w && (N = k, r = ++n) } o && ((h =
!m && h) && v--, s && x.push(h)) } if (v += b, o && b !== v) { g = 0; while (m = t[g++])
m(x, y, u, c); if (s) { if (v > 0) while (b--) x[b] || y[b] || (y[b] = L.call(f)); y = mt(y) }
H.apply(f, y), w && !s && y.length > 0 && v + t.length > 1 && st.uniqueSort(f) } return w
&& (N = k, l = T), x }; return o ? ot(s) : s } s = st.compile = function (e, t) { var n, r = [], i =
[], o = S[e + " "]; if (!o) { t || (t = ft(e)), n = t.length; while (n--) o = vt(t[n]), o[x] ? r.push(o) :
i.push(o); o = S(e, bt(i, r)) } return o }; function xt(e, t, n) { var r = 0, i = t.length; for (; i > r;
r++) st(e, t[r], n); return n } function wt(e, t, n, r) { var o, a, u, l, c, p = ft(e); if (!r && 1 ===
p.length) { if (a = p[0] = p[0].slice(0), a.length > 2 && "ID" === (u = a[0]).type && 9 ===
t.nodeType && !d && i.relative[a[1].type]) { if (t = i.find.ID(u.matches[0].replace(et, tt),
t)[0], !t) return n; e = e.slice(a.shift().value.length) } o = U.needsContext.test(e) ? 0 : a.length;
while (o--) { if (u = a[o], i.relative[l = u.type]) break; if ((c = i.find[l]) && (r =
c(u.matches[0].replace(et, tt), V.test(a[0].type) && t.parentNode || t))) { if (a.splice(o, 1), e =
r.length && dt(a), !e) return H.apply(n, q.call(r, 0)), n; break } } } return s(e, p)(r, t, d, n,
V.test(e)), n } i.pseudos.nth = i.pseudos.eq; function Tt() { } i.filters = Tt.prototype =
i.pseudos, i.setFilters = new Tt, c(), st.attr = b.attr, b.find = st, b.expr = st.selectors,
b.expr["."] = b.expr.pseudos, b.unique = st.uniqueSort, b.text = st.getText, b.isXMLDoc =
st.isXML, b.contains = st.contains } (e); var at = /Until$/, st = /^(?:parents|prev(?:Until|All))/,
ut = /^.[^:#\[\.,]*$/ , lt = b.expr.match.needsContext, ct = { children: !0, contents: !0, next: !0,
prev: !0 }; b.fn.extend({ find: function (e) { var t, n, r, i = this.length; if ("string" != typeof e)
return r = this, this.pushStack(b(e).filter(function () { for (t = 0; i > t; t++) if (b.contains(r[t],
this)) return !0 })); for (n = [], t = 0; i > t; t++) b.find(e, this[t], n); return n = this.pushStack(i
> 1 ? b.unique(n) : n), n.selector = (this.selector ? this.selector + " " : "") + e, n }, has:
function (e) { var t, n = b(e, this), r = n.length; return this.filter(function () { for (t = 0; r > t;
t++) if (b.contains(this, n[t])) return !0 } ), not: function (e) { return this.pushStack(ft(this, e,
!1)) }, filter: function (e) { return this.pushStack(ft(this, e, !0)) }, is: function (e) { return !!e
&& ("string" == typeof e ? lt.test(e) ? b(e, this.context).index(this[0]) >= 0 : b.filter(e,
this).length > 0 : this.filter(e).length > 0) }, closest: function (e, t) { var n, r = 0, i =
this.length, o = [], a = lt.test(e) || "string" != typeof e ? b(e, t || this.context) : 0; for (; i > r;
r++) { n = this[r]; while (n && n.ownerDocument && n !== t && 11 !== n.nodeType) { if (a
? a.index(n) > -1 : b.find.matchesSelector(n, e)) { o.push(n); break } n = n.parentNode } }

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e.firstChild.nodeType) e = e.firstChild; return e }).append(this) } return this }, wrapInner:
function (e) { return b.isFunction(e) ? this.each(function (t) { b(this).wrapInner(e.call(this, t))
}) : this.each(function () { var t = b(this), n = t.contents(); n.length ? n.wrapAll(e) :
t.append(e) }) }, wrap: function (e) { var t = b.isFunction(e); return this.each(function (n) {
b(this).wrapAll(t ? e.call(this, n) : e) }) }, unwrap: function () { return
this.parent().each(function () { b.nodeName(this, "body") ||
b(this).replaceWith(this.childNodes) }).end() }, append: function () { return
this.domManip(arguments, !0, function (e) { (1 === this.nodeType || 11 === this.nodeType ||
9 === this.nodeType) && this.appendChild(e) }) }, prepend: function () { return
this.domManip(arguments, !0, function (e) { (1 === this.nodeType || 11 === this.nodeType ||
9 === this.nodeType) && this.insertBefore(e, this.firstChild) }) }, before: function () { return
this.domManip(arguments, !1, function (e) { this.parentNode &&
this.parentNode.insertBefore(e, this) }) }, after: function () { return
this.domManip(arguments, !1, function (e) { this.parentNode &&
this.parentNode.insertBefore(e, this.nextSibling) }) }, remove: function (e, t) { var n, r = 0;
for (; null != (n = this[r]); r++) (!e || b.filter(e, [n]).length > 0) && (t || 1 !== n.nodeType ||
b.cleanData(Ot(n)), n.parentNode && (t && b.contains(n.ownerDocument, n) && Mt(Ot(n,
"script")), n.parentNode.removeChild(n))); return this }, empty: function () { var e, t = 0; for
(; null != (e = this[t]); t++) { 1 === e.nodeType && b.cleanData(Ot(e, !1)); while
(e.firstChild) e.removeChild(e.firstChild); e.options && b.nodeName(e, "select") &&
(e.options.length = 0) } return this }, clone: function (e, t) { return e = null == e ? !1 : e, t =
null == t ? e : t, this.map(function () { return b.clone(this, e, t) }) }, html: function (e) { return
b.access(this, function (e) { var n = this[0] || {}, r = 0, i = this.length; if (e === t) return 1 ===
n.nodeType ? n.innerHTML.replace(gt, "") : t; if (!("string" != typeof e || Tt.test(e) ||
!b.support.htmlSerialize && mt.test(e) || !b.support.leadingWhitespace && yt.test(e) ||
At[(bt.exec(e) || ["", ""])[1].toLowerCase()])) { e = e.replace(vt, "<$1></$2>"); try { for (; i >
r; r++) n = this[r] || {}, 1 === n.nodeType && (b.cleanData(Ot(n, !1)), n.innerHTML = e); n
= 0 } catch (o) { } } n && this.empty().append(e) }, null, e, arguments.length) },
replaceWith: function (e) { var t = b.isFunction(e); return t || "string" == typeof e || (e =
b(e).not(this).detach()), this.domManip([e], !0, function (e) { var t = this.nextSibling, n =
this.parentNode; n && (b(this).remove(), n.insertBefore(e, t)) }) }, detach: function (e) {
return this.remove(e, !0) }, domManip: function (e, n, r) { e = f.apply([], e); var i, o, a, s, u, l,
c = 0, p = this.length, d = this, h = p - 1, g = e[0], m = b.isFunction(g); if (m || !(1 >= p ||
"string" != typeof g || b.support.checkClone) && Ct.test(g)) return this.each(function (i) { var
o = d.eq(i); m && (e[0] = g.call(this, i, n ? o.html() : t)), o.domManip(e, n, r); if (p && (1 =
b.buildFragment(e, this[0].ownerDocument, !1, this), i = l.firstChild, 1 ===
l.childNodes.length && (l = i), i)) { for (n = n && b.nodeName(i, "tr"), s = b.map(Ot(l,
"script"), Ht), a = s.length; p > c; c++) o = l, c !== h && (o = b.clone(o, !0, !0), a &&
b.merge(s, Ot(o, "script"))), r.call(n && b.nodeName(this[c], "table") ? Lt(this[c], "tbody") :
this[c], o, c); if (a) for (u = s[s.length - 1].ownerDocument, b.map(s, qt), c = 0; a > c; c++) o
= s[c], kt.test(o.type || "") && !b._data(o, "globalEval") && b.contains(u, o) && (o.src ?
b.ajax({ url: o.src, type: "GET", dataType: "script", async: !1, global: !1, "throws": !0 }) :
b.globalEval((o.text || o.textContent || o.innerHTML || "").replace(St, ""))); l = i = null }
return this } }); function Lt(e, t) { return e.getElementsByTagName(t)[0] ||
e.appendChild(e.ownerDocument.createElement(t)) } function Ht(e) { var t =
e.getAttributeNode("type"); return e.type = (t && t.specified) + "/" + e.type, e } function
qt(e) { var t = Et.exec(e.type); return t ? e.type = t[1] : e.removeAttribute("type"), e }
function Mt(e, t) { var n, r = 0; for (; null != (n = e[r]); r++) b._data(n, "globalEval", !t ||
b._data(t[r], "globalEval")) } function _t(e, t) { if (1 === t.nodeType && b.hasData(e)) { var
n, r, i, o = b._data(e), a = b._data(t, o), s = o.events; if (s) { delete a.handle, a.events = {}; for

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(n in s) for (r = 0, i = s[n].length; i > r; r++) b.event.add(t, n, s[n][r]) } a.data && (a.data =
b.extend({ }, a.data)) } } function Ft(e, t) { var n, r, i; if (1 === t.nodeType) { if (n =
t.nodeName.toLowerCase(), !b.support.noCloneEvent && t[b.expando]) { i = b._data(t); for
(r in i.events) b.removeEvent(t, r, i.handle); t.removeAttribute(b.expando) } "script" === n
&& t.text !== e.text ? (Ht(t).text = e.text, qt(t)) : "object" === n ? (t.parentNode &&
(t.outerHTML = e.outerHTML), b.support.html5Clone && e.innerHTML &&
!b.trim(t.innerHTML) && (t.innerHTML = e.innerHTML)) : "input" === n &&
Nt.test(e.type) ? (t.defaultChecked = t.checked = e.checked, t.value !== e.value && (t.value
= e.value)) : "option" === n ? t.defaultSelected = t.selected = e.defaultSelected : ("input" ===
n || "textarea" === n) && (t.defaultValue = e.defaultValue) } } b.each({ appendTo: "append",
prependTo: "prepend", insertBefore: "before", insertAfter: "after", replaceAll: "replaceWith"
}, function (e, t) { b.fn[e] = function (e) { var n, r = 0, i = [], o = b(e), a = o.length - 1; for (; a
>= r; r++) n = r === a ? this : this.clone(!0), b(o[r])[t](n), d.apply(i, n.get()); return
this.pushStack(i) } }); function Ot(e, n) { var r, o, a = 0, s = typeof
e.getElementsByTagName !== i ? e.getElementsByTagName(n || "*") : typeof
e.querySelectorAll !== i ? e.querySelectorAll(n || "*") : t; if (!s) for (s = [], r = e.childNodes ||
e; null != (o = r[a]); a++) !n || b.nodeName(o, n) ? s.push(o) : b.merge(s, Ot(o, n)); return n
=== t || n && b.nodeName(e, n) ? b.merge([e], s) : s } function Bt(e) { Nt.test(e.type) &&
(e.defaultChecked = e.checked) } b.extend({ clone: function (e, t, n) { var r, i, o, a, s, u =
b.contains(e.ownerDocument, e); if (b.support.html5Clone || b.isXMLDoc(e) || !mt.test("<" +
e.nodeName + ">") ? o = e.cloneNode(!0) : (Dt.innerHTML = e.outerHTML,
Dt.removeChild(o = Dt.firstChild)), !(b.support.noCloneEvent &&
b.support.noCloneChecked || 1 !== e.nodeType && 11 !== e.nodeType || b.isXMLDoc(e)))
for (r = Ot(o), s = Ot(e), a = 0; null != (i = s[a]); ++a) r[a] && Ft(i, r[a]); if (t) if (n) for (s = s
|| Ot(e), r = r || Ot(o), a = 0; null != (i = s[a]); ++a) _t(i, r[a]); else _t(e, o); return r = Ot(o,
"script"), r.length > 0 && Mt(r, !u && Ot(e, "script")), r = s = i = null, o }, buildFragment:
function (e, t, n, r) {

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var i, o, a, s, u, l, c, p = e.length, f = dt(t), d = [], h = 0; for (; p > h; h++) if (o = e[h], o ||
0 === o) if ("object" === b.type(o)) b.merge(d, o.nodeType ? [o] : o); else if (wt.test(o)) {

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```

s = s || f.appendChild(t.createElement("div")), u = (bt.exec(o) || ["",
""])[1].toLowerCase(), c = At[u] || At._default, s.innerHTML = c[1] + o.replace(vt,
"<$1></$2>") + c[2], i = c[0]; while (i--) s = s.lastChild; if (!b.support.leadingWhitespace
&& yt.test(o) && d.push(t.createTextNode(yt.exec(o)[0])), !b.support.tbody) {

```

```

o = "table" !== u || xt.test(o) ? "<table>" !== c[1] || xt.test(o) ? 0 : s : s.firstChild, i =
o && o.childNodes.length; while (i--) b.nodeName(l = o.childNodes[i], "tbody") &&
!l.childNodes.length && o.removeChild(l)

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```

} b.merge(d, s.childNodes), s.textContent = ""; while (s.firstChild)
s.removeChild(s.firstChild); s = f.lastChild

```

```

} else d.push(t.createTextNode(o)); s && f.removeChild(s), b.support.appendChecked ||
b.grep(Ot(d, "input"), Bt), h = 0; while (o = d[h++]) if ((!r || -1 === b.inArray(o, r)) && (a =
b.contains(o.ownerDocument, o), s = Ot(f.appendChild(o), "script"), a && Mt(s, n)) { i = 0;
while (o = s[i++]) kt.test(o.type || "") && n.push(o) } return s = null, f

```

```

}, cleanData: function (e, t) { var n, r, o, a, s = 0, u = b.expando, l = b.cache, p =
b.support.deleteExpando, f = b.event.special; for (; null != (n = e[s]); s++) if ((t ||
b.acceptData(n)) && (o = n[u], a = o && l[o])) { if (a.events) for (r in a.events) f[r] ?

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```
b.event.remove(n, r) : b.removeEvent(n, r, a.handle); l[o] && (delete l[o], p ? delete n[u] :
typeof n.removeAttribute !== i ? n.removeAttribute(u) : n[u] = null, c.push(o)) } }
```

```
}); var Pt, Rt, Wt, $t = /alpha\[^\]*\)/i, It = /opacity\s*=\s*\[^\]*\)/, zt =
/^top|right|bottom|left$/, Xt = /^(none|table(?:!-c[ea]).+)/, Ut = /^margin/, Vt = RegExp("^(("
+ x + ")(.*)$", "i"), Yt = RegExp("^((" + x + ")(?!px)[a-z%]+$", "i"), Jt = RegExp("^(\\+|=|)(",
+ x + ")", "i"), Gt = { BODY: "block" }, Qt = { position: "absolute", visibility: "hidden",
display: "block" }, Kt = { letterSpacing: 0, fontWeight: 400 }, Zt = ["Top", "Right",
"Bottom", "Left"], en = ["Webkit", "O", "Moz", "ms"]; function tn(e, t) { if (t in e) return t;
var n = t.charAt(0).toUpperCase() + t.slice(1), r = t, i = en.length; while (i--) if (t = en[i] + n, t
in e) return t; return r } function nn(e, t) { return e = t || e, "none" === b.css(e, "display") ||
!b.contains(e.ownerDocument, e) } function rn(e, t) { var n, r, i, o = [], a = 0, s = e.length; for
(; s > a; a++) r = e[a], r.style && (o[a] = b._data(r, "olddisplay"), n = r.style.display, t ? (o[a]
|| "none" !== n || (r.style.display = "")), "" === r.style.display && nn(r) && (o[a] = b._data(r,
"olddisplay", un(r.nodeName)))) : o[a] || (i = nn(r), (n && "none" !== n || i) && b._data(r,
"olddisplay", i ? n : b.css(r, "display")))); for (a = 0; s > a; a++) r = e[a], r.style && (t &&
"none" !== r.style.display && "" !== r.style.display || (r.style.display = t ? o[a] || "" :
"none")); return e } b.fn.extend({ css: function (e, n) { return b.access(this, function (e, n, r) {
var i, o, a = {}, s = 0; if (b.isArray(n)) { for (o = Rt(e), i = n.length; i > s; s++) a[n[s]] =
b.css(e, n[s], !1, o); return a } return r !== t ? b.style(e, n, r) : b.css(e, n) }, e, n,
arguments.length > 1) }, show: function () { return rn(this, !0) }, hide: function () { return
rn(this) }, toggle: function (e) { var t = "boolean" === typeof e; return this.each(function () { (t
? e : nn(this)) ? b(this).show() : b(this).hide() }) } }), b.extend({ cssHooks: { opacity: { get:
function (e, t) { if (t) { var n = Wt(e, "opacity"); return "" === n ? "1" : n } } }, cssNumber:
{ columnCount: !0, fillOpacity: !0, fontWeight: !0, lineHeight: !0, opacity: !0, orphans: !0,
widows: !0, zIndex: !0, zoom: !0 }, cssProps: { "float": b.support.cssFloat ? "cssFloat" :
"styleFloat" }, style: function (e, n, r, i) { if (e && 3 !== e.nodeType && 8 !== e.nodeType
&& e.style) { var o, a, s, u = b.camelCase(n), l = e.style; if (n = b.cssProps[u] ||
(b.cssProps[u] = tn(l, u)), s = b.cssHooks[n] || b.cssHooks[u], r === t) return s && "get" in s
&& (o = s.get(e, !1, i)) !== t ? o : l[n]; if (a = typeof r, "string" === a && (o = Jt.exec(r)) &&
(r = (o[1] + 1) * o[2] + parseFloat(b.css(e, n)), a = "number"), !(null == r || "number" === a
&& isNaN(r) || ("number" !== a || b.cssNumber[u] || (r += "px"), b.support.clearCloneStyle ||
"" !== r || 0 !== n.indexOf("background") || (l[n] = "inherit"), s && "set" in s && (r = s.set(e,
r, i)) === t))) try { l[n] = r } catch (c) { } }, css: function (e, n, r, i) { var o, a, s, u =
b.camelCase(n); return n = b.cssProps[u] || (b.cssProps[u] = tn(e.style, u)), s = b.cssHooks[n]
|| b.cssHooks[u], s && "get" in s && (a = s.get(e, !0, r)), a === t && (a = Wt(e, n, i)),
"normal" === a && n in Kt && (a = Kt[n]), "" === r || r ? (o = parseFloat(a), r === !0 ||
b.isNumeric(o) ? o || 0 : a) : a }, swap: function (e, t, n, r) { var i, o, a = {}; for (o in t) a[o] =
e.style[o], e.style[o] = t[o]; i = n.apply(e, r || []); for (o in t) e.style[o] = a[o]; return i } },
e.getComputedStyle ? (Rt = function (t) { return e.getComputedStyle(t, null) }, Wt = function
(e, n, r) { var i, o, a, s = r || Rt(e), u = s ? s.getPropertyValue(n) || s[n] : t, l = e.style; return s
&& (" " !== u || b.contains(e.ownerDocument, e) || (u = b.style(e, n)), Yt.test(u) && Ut.test(n)
&& (i = l.width, o = l.minWidth, a = l.maxWidth, l.minWidth = l.maxWidth = l.width = u, u =
s.width, l.width = i, l.minWidth = o, l.maxWidth = a)), u) :
o.documentElement.currentStyle && (Rt = function (e) { return e.currentStyle }, Wt =
function (e, n, r) { var i, o, a, s = r || Rt(e), u = s ? s[n] : t, l = e.style; return null == u && l
&& l[n] && (u = l[n]), Yt.test(u) && !zt.test(n) && (i = l.left, o = e.runtimeStyle, a = o &&
o.left, a && (o.left = e.currentStyle.left), l.left = "fontSize" === n ? "1em" : u, u = l.pixelLeft
+ "px", l.left = i, a && (o.left = a)), "" === u ? "auto" : u }); function on(e, t, n) { var r =
Vt.exec(t); return r ? Math.max(0, r[1] - (n || 0)) + (r[2] || "px") : t } function an(e, t, n, r, i) {
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var o = n === (r ? "border" : "content") ? 4 : "width" === t ? 1 : 0, a = 0; for (; 4 > o; o += 2)
"margin" === n && (a += b.css(e, n + Zt[o], !0, i)), r ? ("content" === n && (a -= b.css(e,
"padding" + Zt[o], !0, i)), "margin" !== n && (a -= b.css(e, "border" + Zt[o] + "Width", !0,
i))) : (a += b.css(e, "padding" + Zt[o], !0, i), "padding" !== n && (a += b.css(e, "border" +
Zt[o] + "Width", !0, i))); return a } function sn(e, t, n) { var r = !0, i = "width" === t ?
e.offsetWidth : e.offsetHeight, o = Rt(e), a = b.support.boxSizing && "border-box" ===
b.css(e, "boxSizing", !1, o); if (0 >= i || null == i) { if (i = Wt(e, t, o), (0 > i || null == i) && (i
= e.style[t]), Yt.test(i)) return i; r = a && (b.support.boxSizingReliable || i === e.style[t]), i =
parseFloat(i) || 0 } return i + an(e, t, n || (a ? "border" : "content"), r, o) + "px" } function un(e)
{ var t = o, n = Gt[e]; return n || (n = ln(e, t), "none" !== n && n || (Pt = (Pt || b("<iframe
frameborder='0' width='0' height='0'/>").css("cssText", "display:block
!important")).appendTo(t.documentElement), t = (Pt[0].contentWindow ||
Pt[0].contentDocument).document, t.write("<!doctype html><html><body>"), t.close(), n =
ln(e, t), Pt.detach(), Gt[e] = n), n } function ln(e, t) { var n =
b(t.createElement(e)).appendTo(t.body), r = b.css(n[0], "display"); return n.remove(), r }
b.each(["height", "width"], function (e, n) { b.cssHooks[n] = { get: function (e, r, i) { return r
? 0 === e.offsetWidth && Xt.test(b.css(e, "display")) ? b.swap(e, Qt, function () { return
sn(e, n, i) }) : sn(e, n, i) : t }, set: function (e, t, r) { var i = r && Rt(e); return on(e, t, r ? an(e,
n, r, b.support.boxSizing && "border-box" === b.css(e, "boxSizing", !1, i), i) : 0) } } },
b.support.opacity || (b.cssHooks.opacity = { get: function (e, t) { return It.test((t &&
e.currentStyle ? e.currentStyle.filter : e.style.filter) || "") ? .01 * parseFloat(RegExp.$1) + "" :
t ? "1" : "" }, set: function (e, t) { var n = e.style, r = e.currentStyle, i = b.isNumeric(t) ?
"alpha(opacity=" + 100 * t + ")" : "", o = r && r.filter || n.filter || ""; n.zoom = 1, (t >= 1 || ""
=== t) && "" === b.trim(o.replace($t, "")) && n.removeAttribute &&
(n.removeAttribute("filter"), "" === t || r && !r.filter) || (n.filter = $t.test(o) ? o.replace($t, i) :
o + " " + i) } }, b(function () { b.support.reliableMarginRight || (b.cssHooks.marginRight = {
get: function (e, n) { return n ? b.swap(e, { display: "inline-block" }, Wt, [e, "marginRight"])
: t } }, !b.support.pixelPosition && b.fn.position && b.each(["top", "left"], function (e, n) {
b.cssHooks[n] = { get: function (e, r) { return r ? (r = Wt(e, n), Yt.test(r) ? b(e).position()[n] +
"px" : r) : t } } }, b.expr && b.expr.filters && (b.expr.filters.hidden = function (e) {
return 0 >= e.offsetWidth && 0 >= e.offsetHeight || !b.support.reliableHiddenOffsets &&
"none" === (e.style && e.style.display || b.css(e, "display")) }, b.expr.filters.visible =
function (e) { return !b.expr.filters.hidden(e) }, b.each({ margin: "", padding: "", border:
"Width" }, function (e, t) { b.cssHooks[e + t] = { expand: function (n) { var r = 0, i = {}, o =
"string" === typeof n ? n.split(" ") : [n]; for (; 4 > r; r++) i[e + Zt[r] + t] = o[r] || o[r - 2] || o[0];
return i } }, Ut.test(e) || (b.cssHooks[e + t].set = on) }); var cn = /%20/g, pn = /\[/$, fn =
/\/r?n/g, dn = /^(?:submit|button|image|reset|file)$/i, hn = /^(?:input|select|textarea|keygen)/i;
b.fn.extend({ serialize: function () { return b.param(this.serializeArray()) }, serializeArray:
function () { return this.map(function () { var e = b.prop(this, "elements"); return e ?
b.makeArray(e) : this }).filter(function () { var e = this.type; return this.name &&
!b(this).is(":disabled") && hn.test(this.nodeName) && !dn.test(e) && (this.checked ||
!Nt.test(e)) }).map(function (e, t) { var n = b(this).val(); return null == n ? null : b.isArray(n)
? b.map(n, function (e) { return { name: t.name, value: e.replace(fn, "\r\n") } }) : { name:
t.name, value: n.replace(fn, "\r\n") } }).get() } }, b.param = function (e, n) { var r, i = [], o =
function (e, t) { t = b.isFunction(t) ? t() : null == t ? "" : t, i[i.length] =
encodeURIComponent(e) + "=" + encodeURIComponent(t) }; if (n === t && (n =
b.ajaxSettings && b.ajaxSettings.traditional), b.isArray(e) || e.jquery && !b.isPlainObject(e))
b.each(e, function () { o(this.name, this.value) }); else for (r in e) gn(r, e[r], n, o); return
i.join("&").replace(cn, "+") }; function gn(e, t, n, r) { var i; if (b.isArray(t)) b.each(t, function
(t, i) { n || pn.test(e) ? r(e, i) : gn(e + "[" + ("object" === typeof i ? t : "") + "]", i, n, r) }); else if

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(n || "object" !== b.type(t)) r(e, t); else for (i in t) gn(e + "[" + i + "]", t[i], n, r) } b.each("blur
focus focusin focusout load resize scroll unload click dblclick mousedown mouseup
mousemove mouseover mouseout mouseenter mouseleave change select submit keydown
keypress keyup error contextmenu".split(" "), function (e, t) { b.fn[t] = function (e, n) { return
arguments.length > 0 ? this.on(t, null, e, n) : this.trigger(t) } }), b.fn.hover = function (e, t) {
return this.mouseenter(e).mouseleave(t || e) }; var mn, yn, vn = b.now(), bn = /\?/, xn = /\#.*$/,
wn = /(\/?&)\_=[^&]*/, Tn = /\^(.?:[\ \t]*([\r\n]*)\r?$/gm, Nn = /\^(?:about|app|app-
storage|.+extension|file|res|widget):$/, Cn = /\^(?:GET|HEAD)$/, kn = /\^\/$/, En = /\^(\/w.+
-+):(?:\/\^\/?#(?:\d+)))/, Sn = b.fn.load, An = {}, jn = {}, Dn = "*/".concat(""); try {
yn = a.href } catch (Ln) { yn = o.createElement("a"), yn.href = "", yn = yn.href } mn =
En.exec(yn.toLowerCase()) || []; function Hn(e) { return function (t, n) { "string" != typeof t
&& (n = t, t = ""); var r, i = 0, o = t.toLowerCase().match(w) || []; if (b.isFunction(n)) while
(r = o[i++]) "+" === r[0] ? (r = r.slice(1) || "*", (e[r] = e[r] || []).unshift(n)) : (e[r] = e[r] ||
[]).push(n) } } function qn(e, n, r, i) { var o = {}, a = e === jn; function s(u) { var l; return
o[u] = !0, b.each(e[u] || [], function (e, u) { var c = u(n, r, i); return "string" != typeof c || a ||
o[c] ? a ? !(l = c) : t : (n.dataTypes.unshift(c), s(c), !1) } ), l } return s(n.dataTypes[0]) ||
!o["*"] && s("") } function Mn(e, n) { var r, i, o = b.ajaxSettings.flatOptions || {}; for (i in
n) n[i] !== t && ((o[i] ? e : r || (r = {}))[i] = n[i]); return r && b.extend(!0, e, r), e } b.fn.load
= function (e, n, r) { if ("string" != typeof e && Sn) return Sn.apply(this, arguments); var i, o,
a, s = this, u = e.indexOf(" "); return u >= 0 && (i = e.slice(u, e.length), e = e.slice(0, u)),
b.isFunction(n) ? (r = n, n = t) : n && "object" == typeof n && (a = "POST"), s.length > 0
&& b.ajax({ url: e, type: a, dataType: "html", data: n }).done(function (e) { o = arguments,
s.html(i ? b("<div>").append(b.parseHTML(e)).find(i) : e)).complete(r && function (e, t) {
s.each(r, o || [e.responseText, t, e]) } ), this }, b.each(["ajaxStart", "ajaxStop", "ajaxComplete",
"ajaxError", "ajaxSuccess", "ajaxSend"], function (e, t) { b.fn[t] = function (e) { return
this.on(t, e) } }), b.each(["get", "post"], function (e, n) { b[n] = function (e, r, i, o) { return
b.isFunction(r) && (o = o || i, i = r, r = t), b.ajax({ url: e, type: n, dataType: o, data: r,
success: i }) } } ), b.extend({ active: 0, lastModified: {}, etag: {}, ajaxSettings: { url: yn, type:
"GET", isLocal: Nn.test(mn[1]), global: !0, processData: !0, async: !0, contentType:
"application/x-www-form-urlencoded; charset=UTF-8", accepts: { "*": Dn, text: "text/plain",
html: "text/html", xml: "application/xml, text/xml", json: "application/json, text/javascript" },
contents: { xml: /xml/, html: /html/, json: /json/ }, responseFields: { xml: "responseXML",
text: "responseText" }, converters: { "* text": e.String, "text html": !0, "text json":
b.parseJSON, "text xml": b.parseXML }, flatOptions: { url: !0, context: !0 } }, ajaxSetup:
function (e, t) { return t ? Mn(Mn(e, b.ajaxSettings), t) : Mn(b.ajaxSettings, e) },
ajaxPrefilter: Hn(An), ajaxTransport: Hn(jn), ajax: function (e, n) { "object" == typeof e &&
(n = e, e = t), n = n || {}; var r, i, o, a, s, u, l, c, p = b.ajaxSetup({}, n), f = p.context || p, d =
p.context && (f.nodeType || f.jquery) ? b(f) : b.event, h = b.Deferred(), g = b.Callbacks("once
memory"), m = p.statusCode || {}, y = {}, v = {}, x = 0, T = "canceled", N = { readyState: 0,
getResponseHeader: function (e) { var t; if (2 === x) { if (!c) { c = {} }; while (t = Tn.exec(a))
c[t[1].toLowerCase()] = t[2] } t = c[e.toLowerCase()] } return null == t ? null : t },
getAllResponseHeaders: function () { return 2 === x ? a : null }, setRequestHeader: function
(e, t) { var n = e.toLowerCase(); return x || (e = v[n] = v[n] || e, y[e] = t), this },
overrideMimeType: function (e) { return x || (p.mimeType = e), this }, statusCode: function
(e) { var t; if (e) if (2 > x) for (t in e) m[t] = [m[t], e[t]]; else N.always(e[N.status]); return this
}, abort: function (e) { var t = e || T; return l && l.abort(t), k(0, t), this } }; if
(h.promise(N).complete = g.add, N.success = N.done, N.error = N.fail, p.url = ((e || p.url ||
yn) + "").replace(xn, "").replace(kn, mn[1] + "/" ), p.type = n.method || n.type || p.method ||
p.type, p.dataTypes = b.trim(p.dataType || "").toLowerCase().match(w) || [""], null ==
p.crossDomain && (r = En.exec(p.url.toLowerCase()), p.crossDomain = !(r || r[1] ===

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mn[1] && r[2] === mn[2] && (r[3] || ("http:" === r[1] ? 80 : 443)) == (mn[3] || ("http:" ===
mn[1] ? 80 : 443))), p.data && p.processData && "string" !== typeof p.data && (p.data =
b.param(p.data, p.traditional)), qn(An, p, n, N), 2 === x) return N; u = p.global, u && 0 ===
b.active++ && b.event.trigger("ajaxStart"), p.type = p.type.toUpperCase(), p.hasContent =
!Cn.test(p.type), o = p.url, p.hasContent || (p.data && (o = p.url += (bn.test(o) ? "&" : "?") +
p.data, delete p.data), p.cache === !1 && (p.url = wn.test(o) ? o.replace(wn, "$1_" + vn++) :
o + (bn.test(o) ? "&" : "?") + "_" + vn++)), p.ifModified && (b.lastModified[o] &&
N.setRequestHeader("If-Modified-Since", b.lastModified[o]), b.etag[o] &&
N.setRequestHeader("If-None-Match", b.etag[o])), (p.data && p.hasContent &&
p.contentType !== !1 || n.contentType) && N.setRequestHeader("Content-Type",
p.contentType), N.setRequestHeader("Accept", p.dataTypes[0] &&
p.accepts[p.dataTypes[0]] ? p.accepts[p.dataTypes[0]] + ("*" !== p.dataTypes[0] ? ", " + Dn
+ "; q=0.01" : "")) : p.accepts["*"]); for (i in p.headers) N.setRequestHeader(i, p.headers[i]); if
(p.beforeSend && (p.beforeSend.call(f, N, p) === !1 || 2 === x)) return N.abort(); T =
"abort"; for (i in { success: 1, error: 1, complete: 1 }) N[i](p[i]); if (l = qn(jn, p, n, N)) {
N.readyState = 1, u && d.trigger("ajaxSend", [N, p]), p.async && p.timeout > 0 && (s =
setTimeout(function () { N.abort("timeout") }, p.timeout)); try { x = 1, l.send(y, k) } catch
(C) { if (!(2 > x)) throw C; k(-1, C) } } else k(-1, "No Transport"); function k(e, n, r, i) { var
c, y, v, w, T, C = n; 2 !== x && (x = 2, s && clearTimeout(s), l = t, a = i || "", N.readyState =
e > 0 ? 4 : 0, r && (w = _n(p, N, r)), e >= 200 && 300 > e || 304 === e ? (p.ifModified &&
(T = N.getResponseHeader("Last-Modified"), T && (b.lastModified[o] = T)), T =
N.getResponseHeader("etag"), T && (b.etag[o] = T)), 204 === e ? (c = !0, C = "nocontent") :
304 === e ? (c = !0, C = "notmodified") : (c = Fn(p, w), C = c.state, y = c.data, v = c.error, c
= !v)) : (v = C, (e || !C) && (C = "error", 0 > e && (e = 0))), N.status = e, N.statusText = (n ||
C) + "", c ? h.resolveWith(f, [y, C, N]) : h.rejectWith(f, [N, C, v]), N.statusCode(m), m = t, u
&& d.trigger(c ? "ajaxSuccess" : "ajaxError", [N, p, c ? y : v]), g.fireWith(f, [N, C]), u &&
(d.trigger("ajaxComplete", [N, p]), --b.active || b.event.trigger("ajaxStop"))) } return N },
getScript: function (e, n) { return b.get(e, t, n, "script") }, getJSON: function (e, t, n) { return
b.get(e, t, n, "json") } }); function _n(e, n, r) { var i, o, a, s, u = e.contents, l = e.dataTypes, c
= e.responseFields; for (s in c) s in r && (n[c[s]] = r[s]); while ("*" === l[0]) l.shift(), o === t
&& (o = e.mimeType || n.getResponseHeader("Content-Type")); if (o) for (s in u) if (u[s] &&
u[s].test(o)) { l.unshift(s); break } if (l[0] in r) a = l[0]; else { for (s in r) { if (!l[0] ||
e.converters[s + " " + l[0]]) { a = s; break } i || (i = s) } a = a || i } return a ? (a !== l[0] &&
l.unshift(a), r[a]) : t } function Fn(e, t) { var n, r, i, o, a = {}, s = 0, u = e.dataTypes.slice(), l =
u[0]; if (e.dataFilter && (t = e.dataFilter(t, e.dataType)), u[1]) for (i in e.converters)
a[i.toLowerCase()] = e.converters[i]; for (; r = u[++s]; ) if ("*" !== r) { if ("*" !== l && l !==
r) { if (i = a[l + " " + r] || a["* " + r], !i) for (n in a) if (o = n.split(" "), o[1] === r && (i = a[l +
" " + o[0]] || a["* " + o[0]])) { i === !0 ? i = a[n] : a[n] !== !0 && (r = o[0], u.splice(s--, 0,
r)); break } if (i !== !0) if (i && e["throws"]) t = i(t); else try { t = i(t) } catch (c) { return {
state: "parsererror", error: i ? c : "No conversion from " + l + " to " + r } } l = r } return {
state: "success", data: t } } b.ajaxSetup({ accepts: { script: "text/javascript,
application/javascript, application/ecmascript, application/x-ecmascript" }, contents: { script:
/(?:(?:java|ecma)script)/ }, converters: { "text script": function (e) { return b.globalEval(e), e } }
}), b.ajaxPrefilter("script", function (e) { e.cache === t && (e.cache = !1), e.crossDomain
&& (e.type = "GET", e.global = !1) }), b.ajaxTransport("script", function (e) { if
(e.crossDomain) { var n, r = o.head || b("head")[0] || o.documentElement; return { send:
function (t, i) { n = o.createElement("script"), n.async = !0, e.scriptCharset && (n.charset =
e.scriptCharset), n.src = e.url, n.onload = n.onreadystatechange = function (e, t) { (t ||
!n.readyState || /loaded|complete/.test(n.readyState)) && (n.onload = n.onreadystatechange =
null, n.parentNode && n.parentNode.removeChild(n), n = null, t || i(200, "success")) },

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r.insertBefore(n, r.firstChild) }, abort: function () { n && n.onload(t, !0) } } } }); var On = [],
Bn = /(=)(?=&|$)|\?\/; b.ajaxSetup({ jsonp: "callback", jsonpCallback: function () { var e =
On.pop() || b.expando + "_" + vn++; return this[e] = !0, e } }), b.ajaxPrefilter("json jsonp",
function (n, r, i) { var o, a, s, u = n.jsonp !== !1 && (Bn.test(n.url) ? "url" : "string" ==
typeof n.data && !(n.contentType || "").indexOf("application/x-www-form-urlencoded") &&
Bn.test(n.data) && "data"); return u || "jsonp" === n.dataTypes[0] ? (o = n.jsonpCallback =
b.isFunction(n.jsonpCallback) ? n.jsonpCallback() : n.jsonpCallback, u ? n[u] =
n[u].replace(Bn, "$1" + o) : n.jsonp !== !1 && (n.url += (bn.test(n.url) ? "&" : "?") + n.jsonp
+ "=" + o), n.converters["script json"] = function () { return s || b.error(o + " was not called"),
s[0] }, n.dataTypes[0] = "json", a = e[o], e[o] = function () { s = arguments },
i.always(function () { e[o] = a, n[o] && (n.jsonpCallback = r.jsonpCallback, On.push(o)), s
&& b.isFunction(a) && a(s[0]), s = a = t }), "script" : t ); var Pn, Rn, Wn = 0, $n =
e.ActiveXObject && function () { var e; for (e in Pn) Pn[e](t, !0) }; function In() { try {
return new e.XMLHttpRequest } catch (t) { } } function zn() { try { return new
e.ActiveXObject("Microsoft.XMLHTTP") } catch (t) { } } b.ajaxSettings.xhr =
e.ActiveXObject ? function () { return !this.isLocal && In() || zn() } : In, Rn =
b.ajaxSettings.xhr(), b.support.cors = !!Rn && "withCredentials" in Rn, Rn = b.support.ajax
= !!Rn, Rn && b.ajaxTransport(function (n) { if (!n.crossDomain || b.support.cors) { var r;
return { send: function (i, o) { var a, s, u = n.xhr(); if (n.username ? u.open(n.type, n.url,
n.async, n.username, n.password) : u.open(n.type, n.url, n.async), n.xhrFields) for (s in
n.xhrFields) u[s] = n.xhrFields[s]; n.mimeType && u.overrideMimeType &&
u.overrideMimeType(n.mimeType), n.crossDomain || i["X-Requested-With"] || (i["X-
Requested-With"] = "XMLHttpRequest"); try { for (s in i) u.setRequestHeader(s, i[s]) } catch
(l) { } u.send(n.hasContent && n.data || null), r = function (e, i) { var s, l, c, p; try { if (r &&
(i || 4 === u.readyState)) if (r = t, a && (u.onreadystatechange = b.noop, $n && delete
Pn[a]), i) 4 !== u.readyState && u.abort(); else { p = { }, s = u.status, l =
u.getAllResponseHeaders(), "string" == typeof u.responseText && (p.text = u.responseText);
try { c = u.statusText } catch (f) { c = "" } s || !n.isLocal || n.crossDomain ? 1223 === s &&
(s = 204) : s = p.text ? 200 : 404 } } catch (d) { i || o(-1, d) } p && o(s, c, p, l) }, n.async ? 4
=== u.readyState ? setTimeout(r) : (a = ++Wn, $n && (Pn || (Pn = { }, b(e).unload($n)), Pn[a]
= r), u.onreadystatechange = r) : r() }, abort: function () { r && r(t, !0) } } } }); var Xn, Un,
Vn = /^(?:toggle|show|hide)$/, Yn = RegExp("^([+-])=|(" + x + ")([a-z%]*)$", "i"), Jn =
/queueHooks$/, Gn = [nr], Qn = { "*": [function (e, t) { var n, r, i = this.createTween(e, t), o
= Yn.exec(t), a = i.cur(), s = +a || 0, u = 1, l = 20; if (o) { if (n = +o[2], r = o[3] ||
(b.cssNumber[e] ? "" : "px"), "px" !== r && s) { s = b.css(i.elem, e, !0) || n || 1; do u = u ||
".5", s /= u, b.style(i.elem, e, s + r); while (u !== (u = i.cur() / a) && 1 !== u && --l) } i.unit
= r, i.start = s, i.end = o[1] ? s + (o[1] + 1) * n : n } return i } ] }; function Kn() { return
setTimeout(function () { Xn = t }, Xn = b.now() ) function Zn(e, t) { b.each(t, function (t, n)
{ var r = (Qn[t] || []).concat(Qn["*"]), i = 0, o = r.length; for (; o > i; i++) if (r[i].call(e, t, n))
return }) } function er(e, t, n) { var r, i, o = 0, a = Gn.length, s = b.Deferred().always(function
() { delete u.elem }), u = function () { if (i) return !1; var t = Xn || Kn(), n = Math.max(0,
l.startTime + l.duration - t), r = n / l.duration || 0, o = 1 - r, a = 0, u = l.tweens.length; for (; u
> a; a++) l.tweens[a].run(o); return s.notifyWith(e, [l, o, n]), 1 > o && u ? n :
(s.resolveWith(e, [l]), !1) }, l = s.promise({ elem: e, props: b.extend({}, t), opts: b.extend(!0,
{ specialEasing: {} }, n), originalProperties: t, originalOptions: n, startTime: Xn || Kn(),
duration: n.duration, tweens: [], createTween: function (t, n) { var r = b.Tween(e, l.opts, t, n,
l.opts.specialEasing[t] || l.opts.easing); return l.tweens.push(r), r }, stop: function (t) { var n =
0, r = t ? l.tweens.length : 0; if (i) return this; for (i = !0; r > n; n++) l.tweens[n].run(1); return
t ? s.resolveWith(e, [l, t]) : s.rejectWith(e, [l, t]), this } }), c = l.props; for (tr(c,
l.opts.specialEasing); a > o; o++) if (r = Gn[o].call(l, e, c, l.opts)) return r; return Zn(l, c),

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b.isFunction(l.opts.start) && l.opts.start.call(e, l), b.fx.timer(b.extend(u, { elem: e, anim: l,
queue: l.opts.queue })), l.progress(l.opts.progress).done(l.opts.done,
l.opts.complete).fail(l.opts.fail).always(l.opts.always) } function tr(e, t) { var n, r, i, o, a; for (i
in e) if (r = b.camelCase(i), o = t[r], n = e[i], b.isArray(n) && (o = n[1], n = e[i] = n[0]), i !==
r && (e[r] = n, delete e[i]), a = b.cssHooks[r], a && "expand" in a) { n = a.expand(n), delete
e[r]; for (i in n) i in e || (e[i] = n[i], t[i] = o) } else t[r] = o } b.Animation = b.extend(er, {
tweener: function (e, t) { b.isFunction(e) ? (t = e, e = ["*"]) : e = e.split(" "); var n, r = 0, i =
e.length; for (; i > r; r++) n = e[r], Qn[n] = Qn[n] || [], Qn[n].unshift(t) }, prefilter: function (e,
t) { t ? Gn.unshift(e) : Gn.push(e) } }); function nr(e, t, n) { var r, i, o, a, s, u, l, c, p, f = this, d
= e.style, h = {}, g = [], m = e.nodeType && nn(e); n.queue || (c = b._queueHooks(e, "fx"),
null == c.unqueued && (c.unqueued = 0, p = c.empty.fire, c.empty.fire = function () {
c.unqueued || p() }), c.unqueued++, f.always(function () { f.always(function () { c.unqueued--
, b.queue(e, "fx").length || c.empty.fire() } })), 1 === e.nodeType && ("height" in t ||
"width" in t) && (n.overflow = [d.overflow, d.overflowX, d.overflowY], "inline" ===
b.css(e, "display") && "none" === b.css(e, "float") && (b.support.inlineBlockNeedsLayout
&& "inline" !== un(e.nodeName) ? d.zoom = 1 : d.display = "inline-block")), n.overflow &&
(d.overflow = "hidden", b.support.shrinkWrapBlocks || f.always(function () { d.overflow =
n.overflow[0], d.overflowX = n.overflow[1], d.overflowY = n.overflow[2] })); for (i in t) if (a
= t[i], Vn.exec(a)) { if (delete t[i], u = u || "toggle" === a, a === (m ? "hide" : "show"))
continue; g.push(i) } if (o = g.length) { s = b._data(e, "fxshow") || b._data(e, "fxshow", {}),
"hidden" in s && (m = s.hidden), u && (s.hidden = !m), m ? b(e).show() : f.done(function ()
{ b(e).hide() }), f.done(function () { var t; b._removeData(e, "fxshow"); for (t in h) b.style(e,
t, h[t]) }); for (i = 0; o > i; i++) r = g[i], l = f.createTween(r, m ? s[r] : 0), h[r] = s[r] ||
b.style(e, r), r in s || (s[r] = l.start, m && (l.end = l.start, l.start = "width" === r || "height" ===
r ? 1 : 0)) } } function rr(e, t, n, r, i) { return new rr.prototype.init(e, t, n, r, i) } b.Tween = rr,
rr.prototype = { constructor: rr, init: function (e, t, n, r, i, o) { this.elem = e, this.prop = n,
this.easing = i || "swing", this.options = t, this.start = this.now = this.cur(), this.end = r,
this.unit = o || (b.cssNumber[n] ? "" : "px") }, cur: function () { var e =
rr.propHooks[this.prop]; return e && e.get ? e.get(this) : rr.propHooks._default.get(this) },
run: function (e) { var t, n = rr.propHooks[this.prop]; return this.pos = t =
this.options.duration ? b.easing[this.easing](e, this.options.duration * e, 0, 1,
this.options.duration) : e, this.now = (this.end - this.start) * t + this.start, this.options.step &&
this.options.step.call(this.elem, this.now, this), n && n.set ? n.set(this) :
rr.propHooks._default.set(this, this) }, rr.prototype.init.prototype = rr.prototype,
rr.propHooks = { _default: { get: function (e) { var t; return null == e.elem[e.prop] ||
e.elem.style && null != e.elem.style[e.prop] ? (t = b.css(e.elem, e.prop, ""), t && "auto" !== t
? t : 0) : e.elem[e.prop] }, set: function (e) { b.fx.step[e.prop] ? b.fx.step[e.prop](e) :
e.elem.style && (null != e.elem.style[b.cssProps[e.prop]] || b.cssHooks[e.prop]) ?
b.style(e.elem, e.prop, e.now + e.unit) : e.elem[e.prop] = e.now } } }, rr.propHooks.scrollTop
= rr.propHooks.scrollLeft = { set: function (e) { e.elem.nodeType && e.elem.parentNode
&& (e.elem[e.prop] = e.now) } }, b.each(["toggle", "show", "hide"], function (e, t) { var n =
b.fn[t]; b.fn[t] = function (e, r, i) { return null == e || "boolean" == typeof e ? n.apply(this,
arguments) : this.animate(ir(t, !0), e, r, i) } }), b.fn.extend({ fadeTo: function (e, t, n, r) {
return this.filter(nn).css("opacity", 0).show().end().animate({ opacity: t }, e, n, r) }, animate:
function (e, t, n, r) { var i = b.isEmptyObject(e), o = b.speed(t, n, r), a = function () { var t =
er(this, b.extend({}, e), o); a.finish = function () { t.stop(!0) }, (i || b._data(this, "finish")) &&
t.stop(!0) }; return a.finish = a, i || o.queue === !1 ? this.each(a) : this.queue(o.queue, a) },
stop: function (e, n, r) { var i = function (e) { var t = e.stop; delete e.stop, t(r) }; return
"string" !== typeof e && (r = n, n = e, e = t), n && e !== !1 && this.queue(e || "fx", []),
this.each(function () { var t = !0, n = null != e && e + "queueHooks", o = b.timers, a =

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b._data(this); if (n) a[n] && a[n].stop && i(a[n]); else for (n in a) a[n] && a[n].stop &&
Jn.test(n) && i(a[n]); for (n = o.length; n--;) o[n].elem !== this || null !== e && o[n].queue
!== e || (o[n].anim.stop(r), t = !1, o.splice(n, 1)); (t || !r) && b.dequeue(this, e) } }, finish:
function (e) { return e !== !1 && (e = e || "fx"), this.each(function () { var t, n = b._data(this),
r = n[e + "queue"], i = n[e + "queueHooks"], o = b.timers, a = r ? r.length : 0; for (n.finish =
!0, b.queue(this, e, []), i && i.cur && i.cur.finish && i.cur.finish.call(this), t = o.length; t--;)
o[t].elem === this && o[t].queue === e && (o[t].anim.stop(!0), o.splice(t, 1)); for (t = 0; a >
t; t++) r[t] && r[t].finish && r[t].finish.call(this); delete n.finish } } }); function ir(e, t) { var
n, r = { height: e }, i = 0; for (t = t ? 1 : 0; 4 > i; i += 2 - t) n = Zt[i], r["margin" + n] =
r["padding" + n] = e; return t && (r.opacity = r.width = e), r } b.each({ slideDown:
ir("show"), slideUp: ir("hide"), slideToggle: ir("toggle"), fadeIn: { opacity: "show" },
fadeOut: { opacity: "hide" }, fadeToggle: { opacity: "toggle" } }, function (e, t) { b.fn[e] =
function (e, n, r) { return this.animate(t, e, n, r) } }, b.speed = function (e, t, n) { var r = e
&& "object" === typeof e ? b.extend({}, e) : { complete: n || !n && t || b.isFunction(e) && e,
duration: e, easing: n && t || t && !b.isFunction(t) && t }; return r.duration = b.fx.off ? 0 :
"number" === typeof r.duration ? r.duration : r.duration in b.fx.speeds ? b.fx.speeds[r.duration]
: b.fx.speeds._default, (null === r.queue || r.queue === !0) && (r.queue = "fx"), r.old =
r.complete, r.complete = function () { b.isFunction(r.old) && r.old.call(this), r.queue &&
b.dequeue(this, r.queue) }, r }, b.easing = { linear: function (e) { return e }, swing: function
(e) { return .5 - Math.cos(e * Math.PI) / 2 } }, b.timers = [], b.fx = rr.prototype.init, b.fx.tick
= function () { var e, n = b.timers, r = 0; for (Xn = b.now(); n.length > r; r++) e = n[r], e() ||
n[r] !== e || n.splice(r--, 1); n.length || b.fx.stop(), Xn = t }, b.fx.timer = function (e) { e() &&
b.timers.push(e) && b.fx.start() }, b.fx.interval = 13, b.fx.start = function () { Un || (Un =
setInterval(b.fx.tick, b.fx.interval)), b.fx.stop = function () { clearInterval(Un), Un = null },
b.fx.speeds = { slow: 600, fast: 200, _default: 400 }, b.fx.step = {}, b.expr && b.expr.filters
&& (b.expr.filters.animated = function (e) { return b.grep(b.timers, function (t) { return e
=== t.elem }).length }), b.fn.offset = function (e) { if (arguments.length) return e === t ? this
: this.each(function (t) { b.offset.setOffset(this, e, t) }); var n, r, o = { top: 0, left: 0 }, a =
this[0], s = a && a.ownerDocument; if (s) return n = s.documentElement, b.contains(n, a) ?
(typeof a.getBoundingClientRect !== i && (o = a.getBoundingClientRect()), r = or(s), { top:
o.top + (r.pageYOffset || n.scrollTop) - (n.clientTop || 0), left: o.left + (r.pageXOffset ||
n.scrollLeft) - (n.clientLeft || 0) } : o }, b.offset = { setOffset: function (e, t, n) { var r =
b.css(e, "position"); "static" === r && (e.style.position = "relative"); var i = b(e), o =
i.offset(), a = b.css(e, "top"), s = b.css(e, "left"), u = ("absolute" === r || "fixed" === r) &&
b.inArray("auto", [a, s]) > -1, l = {}, c = {}, p, f; u ? (c = i.position(), p = c.top, f = c.left) : (p =
parseFloat(a) || 0, f = parseFloat(s) || 0), b.isFunction(t) && (t = t.call(e, n, o)), null !== t.top
&& (l.top = t.top - o.top + p), null !== t.left && (l.left = t.left - o.left + f), "using" in t ?
t.using.call(e, l) : i.css(l) }, b.fn.extend({ position: function () { if (this[0]) { var e, t, n = {
top: 0, left: 0 }, r = this[0]; return "fixed" === b.css(r, "position") ? t =
r.getBoundingClientRect() : (e = this.offsetParent(), t = this.offset(), b.nodeName(e[0],
"html") || (n = e.offset(), n.top += b.css(e[0], "borderTopWidth", !0), n.left += b.css(e[0],
"borderLeftWidth", !0)), { top: t.top - n.top - b.css(r, "marginTop", !0), left: t.left - n.left -
b.css(r, "marginLeft", !0) } }, offsetParent: function () { return this.map(function () { var e =
this.offsetParent || o.documentElement; while (e && !b.nodeName(e, "html") && "static"
=== b.css(e, "position")) e = e.offsetParent; return e || o.documentElement } } }, b.each({
scrollLeft: "pageXOffset", scrollTop: "pageYOffset" }, function (e, n) { var r = /Y/.test(n);
b.fn[e] = function (i) { return b.access(this, function (e, i, o) { var a = or(e); return o === t ? a
? n in a ? a[n] : a.document.documentElement[i] : e[i] : (a ? a.scrollTo(r ? b(a).scrollLeft() : o,
r ? o : b(a).scrollTop()) : e[i] = o, t), e, i, arguments.length, null) } }); function or(e) { return
b.isWindow(e) ? e : 9 === e.nodeType ? e.defaultView || e.parentWindow : !1 } b.each({

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Height: "height", Width: "width" }, function (e, n) { b.each({ padding: "inner" + e, content: n,
"": "outer" + e }, function (r, i) { b.fn[i] = function (i, o) { var a = arguments.length && (r ||
"boolean" != typeof i), s = r || (i === !0 || o === !0 ? "margin" : "border"); return
b.access(this, function (n, r, i) { var o; return b.isWindow(n) ?
n.document.documentElement["client" + e] : 9 === n.nodeType ? (o = n.documentElement,
Math.max(n.body["scroll" + e], o["scroll" + e], n.body["offset" + e], o["offset" + e],
o["client" + e])) : i === t ? b.css(n, r, s) : b.style(n, r, i, s) }, n, a ? i : t, a, null) } })),
e.jQuery = e.$ = b, "function" == typeof define && define.amd && define.amd.jQuery &&
define("jquery", [], function () { return b })
})(window);

```

jquery-1.9.1.min.js

/*! jQuery v1.9.1 | (c) 2005, 2012 jQuery Foundation, Inc. | jquery.org/license

//@ sourceMappingURL=jquery.min.map

*/

(function (e, t) {

```

    var n, r, i = typeof t, o = e.document, a = e.location, s = e.jQuery, u = e.$, l = {}, c = [], p =
    "1.9.1", f = c.concat, d = c.push, h = c.slice, g = c.indexOf, m = l.toString, y =
    l.hasOwnProperty, v = p.trim, b = function (e, t) { return new b.fn.init(e, t, r) }, x = /[+-]
    ]?(?:\d*\.\d+|(?=[eE])[+-]\d+)/.source, w = /\S+/g, T =
    /^[\s\uFEFF\xA0]+|[\s\uFEFF\xA0]+$/g, N = /^(?:(<[\w\W]+>)[^*]#|([\w-]*)$)/, C =
    /^<([\w+)]\s*/?>(?:<[\w+)]\s*/?>$/, k = /^[\],:;{}$%&'()*+,-\/\?@[\s\uFEFF\xA0]+$/g, E = /(?:^|:|,|.)?(?:\s*\[|)/g, S =
    /\(\(?:["\\/bfnrnt]|u[da-fA-F]{4})/g, A = /"["^\\r\n"]*"|true|false|null|-|?(?:\d+\.\d+|(?=[eE])[+-]
    ]?\d+)/g, j = /^-ms-/g, D = /-([\da-z])/gi, L = function (e, t) { return t.toUpperCase() }, H =
    function (e) { (o.addEventListener || "load" === e.type || "complete" === o.readyState) &&
    (q(), b.ready()) }, q = function () { o.removeEventListener ?
    (o.removeEventListener("DOMContentLoaded", H, !1), e.removeEventListener("load", H,
    !1)) : (o.detachEvent("onreadystatechange", H), e.detachEvent("onload", H)) }; b.fn =
    b.prototype = { jquery: p, constructor: b, init: function (e, n, r) { var i, a; if (!e) return this; if
    ("string" == typeof e) { if (i = "<" === e.charAt(0) && ">" === e.charAt(e.length - 1) &&
    e.length >= 3 ? [null, e, null] : N.exec(e), !i || !i[1] && n) return !n || n.jquery ? (n || r).find(e)
    : this.constructor(n).find(e); if (i[1]) { if (n = n instanceof b ? n[0] : n, b.merge(this,
    b.parseHTML(i[1], n && n.nodeType ? n.ownerDocument || n : o, !0)), C.test(i[1]) &&
    b.isPlainObject(n)) for (i in n) b.isFunction(this[i]) ? this[i](n[i]) : this.attr(i, n[i]); return this
    } if (a = o.getElementById(i[2]), a && a.parentNode) { if (a.id !== i[2]) return r.find(e);
    this.length = 1, this[0] = a } return this.context = o, this.selector = e, this } return e.nodeType
    ? (this.context = this[0] = e, this.length = 1, this) : b.isFunction(e) ? r.ready(e) : (e.selector
    !== t && (this.selector = e.selector, this.context = e.context), b.makeArray(e, this)),
    selector: "", length: 0, size: function () { return this.length }, toArray: function () { return
    h.call(this) }, get: function (e) { return null == e ? this.toArray() : 0 > e ? this[this.length + e]
    : this[e] }, pushStack: function (e) { var t = b.merge(this.constructor(), e); return t.prevObject
    = this, t.context = this.context, t }, each: function (e, t) { return b.each(this, e, t) }, ready:
    function (e) { return b.ready.promise().done(e, this) }, slice: function () { return
    this.pushStack(h.apply(this, arguments)) }, first: function () { return this.eq(0) }, last:

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function () { return this.eq(-1) }, eq: function (e) { var t = this.length, n = +e + (0 > e ? t : 0);
return this.pushStack(n >= 0 && t > n ? [this[n]] : []) }, map: function (e) { return
this.pushStack(b.map(this, function (t, n) { return e.call(t, n, t) })), end: function () { return
this.prevObject || this.constructor(null) }, push: d, sort: [].sort, splice: [].splice },
b.fn.init.prototype = b.fn, b.extend = b.fn.extend = function () { var e, n, r, i, o, a, s =
arguments[0] || {}, u = 1, l = arguments.length, c = !1; for ("boolean" == typeof s && (c = s,
s = arguments[1] || {}, u = 2), "object" == typeof s || b.isFunction(s) || (s = {}), l === u && (s
= this, --u); l > u; u++) if (null != (o = arguments[u])) for (i in o) e = s[i], r = o[i], s !== r &&
(c && r && (b.isPlainObject(r) || (n = b.isArray(r))) ? (n ? (n = !1, a = e && b.isArray(e) ? e
: []) : a = e && b.isPlainObject(e) ? e : {}, s[i] = b.extend(c, a, r)) : r !== t && (s[i] = r));
return s }, b.extend({ noConflict: function (t) { return e.$ === b && (e.$ = u), t && e.jQuery
=== b && (e.jQuery = s), b }, isReady: !1, readyWait: 1, holdReady: function (e) { e ?
b.readyWait++ : b.ready(!0) }, ready: function (e) { if (e === !0 ? ! --b.readyWait :
!b.isReady) { if (!o.body) return setTimeout(b.ready); b.isReady = !0, e !== !0 && --
b.readyWait > 0 || (n.resolveWith(o, [b]), b.fn.trigger && b(o).trigger("ready").off("ready"))
} }, isFunction: function (e) { return "function" === b.type(e) }, isArray: Array.isArray ||
function (e) { return "array" === b.type(e) }, isWindow: function (e) { return null != e && e
== e.window }, isNumeric: function (e) { return !isNaN(parseFloat(e)) && isFinite(e) },
type: function (e) { return null == e ? e + "" : "object" == typeof e || "function" == typeof e ?
l[m.call(e)] || "object" : typeof e }, isPlainObject: function (e) { if (!e || "object" !== b.type(e)
|| e.nodeType || b.isWindow(e)) return !1; try { if (e.constructor && !y.call(e, "constructor")
&& !y.call(e.constructor.prototype, "isPrototypeOf")) return !1 } catch (n) { return !1 } var r;
for (r in e); return r === t || y.call(e, r) }, isEmptyObject: function (e) { var t; for (t in e)
return !1; return !0 }, error: function (e) { throw Error(e) }, parseHTML: function (e, t, n) { if
(!e || "string" !== typeof e) return null; "boolean" == typeof t && (n = t, t = !1), t = t || o; var r
= C.exec(e), i = !n && []; return r ? [t.createElement(r[1])] : (r = b.buildFragment([e], t, i, i
&& b(i).remove(), b.merge([], r.childNodes)) }, parseJSON: function (n) { return e.JSON
&& e.JSON.parse ? e.JSON.parse(n) : null === n ? n : "string" == typeof n && (n =
b.trim(n), n && k.test(n.replace(S, "@").replace(A, "]").replace(E, ""))) ? Function("return "
+ n)() : (b.error("Invalid JSON: " + n), t) }, parseXML: function (n) { var r, i; if (!n || "string"
!== typeof n) return null; try { e.DOMParser ? (i = new DOMParser, r = i.parseFromString(n,
"text/xml")) : (r = new ActiveXObject("Microsoft.XMLDOM"), r.async = "false",
r.loadXML(n)) } catch (o) { r = t } return r && r.documentElement &&
!r.getElementsByTagName("parsererror").length || b.error("Invalid XML: " + n), r }, noop:
function () { }, globalEval: function (t) { t && b.trim(t) && (e.execScript || function (t) {
e.eval.call(e, t) })(t) }, camelCase: function (e) { return e.replace(j, "ms-").replace(D, L) },
nodeName: function (e, t) { return e.nodeName && e.nodeName.toLowerCase() ===
t.toLowerCase() }, each: function (e, t, n) { var r, i = 0, o = e.length, a = M(e); if (n) { if (a) {
for (; o > i; i++) if (r = t.apply(e[i], n), r === !1) break } else for (i in e) if (r = t.apply(e[i], n),
r === !1) break } else if (a) { for (; o > i; i++) if (r = t.call(e[i], i, e[i]), r === !1) break } else
for (i in e) if (r = t.call(e[i], i, e[i]), r === !1) break; return e }, trim: v &&
!v.call("\u00a0") ? function (e) { return null == e ? "" : v.call(e) } : function (e) { return
null == e ? "" : (e + "").replace(T, "") }, makeArray: function (e, t) { var n = t || []; return null
!= e && (M(Object(e)) ? b.merge(n, "string" == typeof e ? [e] : e) : d.call(n, e)), n }, inArray:
function (e, t, n) { var r; if (t) { if (g) return g.call(t, e, n); for (r = t.length, n = n ? 0 > n ?
Math.max(0, r + n) : n : 0; r > n; n++) if (n in t && t[n] === e) return n } return -1 }, merge:
function (e, n) { var r = n.length, i = e.length, o = 0; if ("number" == typeof r) for (; r > o;
o++) e[i++] = n[o]; else while (n[o] !== t) e[i++] = n[o++]; return e.length = i, e }, grep:
function (e, t, n) { var r, i = [], o = 0, a = e.length; for (n = !!n; a > o; o++) r = !!t(e[o], o), n
!== r && i.push(e[o]); return i }, map: function (e, t, n) { var r, i = 0, o = e.length, a = M(e), s

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= []; if (a) for (; o > i; i++) r = t(e[i], i, n), null != r && (s[s.length] = r); else for (i in e) r =
t(e[i], i, n), null != r && (s[s.length] = r); return f.apply([], s) }, guid: 1, proxy: function (e, n)
{ var r, i, o; return "string" == typeof n && (o = e[n], n = e, e = o), b.isFunction(e) ? (r =
h.call(arguments, 2), i = function () { return e.apply(n || this, r.concat(h.call(arguments))) },
i.guid = e.guid = e.guid || b.guid++, i) : t }, access: function (e, n, r, i, o, a, s) { var u = 0, l =
e.length, c = null == r; if ("object" === b.type(r)) { o = !0; for (u in r) b.access(e, n, u, r[u],
!0, a, s) } else if (i !== t && (o = !0, b.isFunction(i) || (s = !0), c && (s ? (n.call(e, i), n = null)
: (c = n, n = function (e, t, n) { return c.call(b(e), n) })), n)) for (; l > u; u++) n(e[u], r, s ? i :
i.call(e[u], u, n(e[u], r))); return o ? e : c ? n.call(e) : l ? n(e[0], r) : a }, now: function () {
return (new Date).getTime() } }, b.ready.promise = function (t) { if (!n) if (n = b.Deferred(),
"complete" === o.readyState) setTimeout(b.ready); else if (o.addEventListener)
o.addEventListener("DOMContentLoaded", H, !1), e.addEventListener("load", H, !1); else {
o.attachEvent("onreadystatechange", H), e.attachEvent("onload", H); var r = !1; try { r = null
== e.frameElement && o.documentElement } catch (i) { } r && r.doScroll && function a()
{ if (!b.isReady) { try { r.doScroll("left") } catch (e) { return setTimeout(a, 50) } q(),
b.ready() } } } return n.promise(t) }, b.each("Boolean Number String Function Array Date
RegExp Object Error".split(" "), function (e, t) { l["[object " + t + "]"] = t.toLowerCase() });
function M(e) { var t = e.length, n = b.type(e); return b.isWindow(e) ? !1 : 1 === e.nodeType
&& t ? !0 : "array" === n || "function" !== n && (0 === t || "number" == typeof t && t > 0
&& t - 1 in e) } r = b(o); var _ = {}; function F(e) { var t = _[e] = {}; return
b.each(e.match(w) || [], function (e, n) { t[n] = !0 }), t } b.Callbacks = function (e) { e =
"string" == typeof e ? _[e] || F(e) : b.extend({}, e); var n, r, i, o, a, s, u = [], l = !e.once && [],
c = function (t) { for (r = e.memory && t, i = !0, a = s || 0, s = 0, o = u.length, n = !0; u && o
> a; a++) if (u[a].apply(t[0], t[1]) === !1 && e.stopOnFalse) { r = !1; break } n = !1, u && (l
? l.length && c(l.shift()) : r ? u = [] : p.disable()) }, p = { add: function () { if (u) { var t =
u.length; (function i(t) { b.each(t, function (t, n) { var r = b.type(n); "function" === r ?
e.unique && p.has(n) || u.push(n) : n && n.length && "string" !== r && i(n) })
})(arguments), n ? o = u.length : r && (s = t, c(r)) } return this }, remove: function () { return
u && b.each(arguments, function (e, t) { var r; while ((r = b.inArray(t, u, r)) > -1) u.splice(r,
1), n && (o >= r && o--, a >= r && a--) }, this }, has: function (e) { return e ? b.inArray(e,
u) > -1 : (!u || !u.length) }, empty: function () { return u = [], this }, disable: function () {
return u = l = r = t, this }, disabled: function () { return !u }, lock: function () { return l = t, r ||
p.disable(), this }, locked: function () { return !l }, fireWith: function (e, t) { return t = t || [], t
= [e, t.slice ? t.slice() : t], !u || i && !l || (n ? l.push(t) : c(t)), this }, fire: function () { return
p.fireWith(this, arguments), this }, fired: function () { return !!i } }; return p }, b.extend({
Deferred: function (e) { var t = ["resolve", "done", b.Callbacks("once memory"),
"resolved"], ["reject", "fail", b.Callbacks("once memory"), "rejected"], ["notify", "progress",
b.Callbacks("memory")], n = "pending", r = { state: function () { return n }, always: function
() { return i.done(arguments).fail(arguments), this }, then: function () { var e = arguments;
return b.Deferred(function (n) { b.each(t, function (t, o) { var a = o[0], s = b.isFunction(e[t])
&& e[t]; i[o[1]](function () { var e = s && s.apply(this, arguments); e &&
b.isFunction(e.promise) ? e.promise().done(n.resolve).fail(n.reject).progress(n.notify) : n[a +
"With"](this === r ? n.promise() : this, s ? [e] : arguments) })), e = null }).promise() },
promise: function (e) { return null != e ? b.extend(e, r) : r }, i = { }; return r.pipe = r.then,
b.each(t, function (e, o) { var a = o[2], s = o[3]; r[o[1]] = a.add, s && a.add(function () { n =
s }, t[1 ^ e][2].disable, t[2][2].lock), i[o[0]] = function () { return i[o[0] + "With"](this === i
? r : this, arguments), this }, i[o[0] + "With"] = a.fireWith }), r.promise(i), e && e.call(i, i),
i }, when: function (e) { var t = 0, n = h.call(arguments), r = n.length, i = 1 !== r || e &&
b.isFunction(e.promise) ? r : 0, o = 1 === i ? e : b.Deferred(), a = function (e, t, n) { return
function (r) { t[e] = this, n[e] = arguments.length > 1 ? h.call(arguments) : r, n === s ?

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o.notifyWith(t, n) : --i || o.resolveWith(t, n) } }, s, u, l; if (r > 1) for (s = Array(r), u =
Array(r), l = Array(r); r > t; t++) n[t] && b.isFunction(n[t].promise) ?
n[t].promise().done(a(t, l, n)).fail(o.reject).progress(a(t, u, s)) : --i; return i || o.resolveWith(l,
n), o.promise() } }, b.support = function () { var t, n, r, a, s, u, l, c, p, f, d =
o.createElement("div"); if (d.setAttribute("className", "t"), d.innerHTML = "
<link/><table></table><a href='/a'>a</a><input type='checkbox'/>", n =
d.getElementsByTagName("*"), r = d.getElementsByTagName("a")[0], !n || !r || !n.length)
return {}; s = o.createElement("select"), l = s.appendChild(o.createElement("option")), a =
d.getElementsByTagName("input")[0], r.style.cssText = "top:1px;float:left;opacity:.5", t = {
getSetAttribute: "t" !== d.className, leadingWhitespace: 3 === d.firstChild.nodeType,
tbody: !d.getElementsByTagName("tbody").length, htmlSerialize:
!!d.getElementsByTagName("link").length, style: /top/.test(r.getAttribute("style")),
hrefNormalized: "/a" === r.getAttribute("href"), opacity: /^0.5/.test(r.style.opacity), cssFloat:
!!r.style.cssFloat, checkOn: !!a.value, optSelected: l.selected, enctype:
!!o.createElement("form").enctype, html5Clone: "<:nav></:nav>" !==
o.createElement("nav").cloneNode(!0).outerHTML, boxModel: "CSS1Compat" ===
o.compatMode, deleteExpando: !0, noCloneEvent: !0, inlineBlockNeedsLayout: !1,
shrinkWrapBlocks: !1, reliableMarginRight: !0, boxSizingReliable: !0, pixelPosition: !1 },
a.checked = !0, t.noCloneChecked = a.cloneNode(!0).checked, s.disabled = !0, t.optDisabled
= !l.disabled; try { delete d.test } catch (h) { t.deleteExpando = !1 } a =
o.createElement("input"), a.setAttribute("value", ""), t.input = "" === a.getAttribute("value"),
a.value = "t", a.setAttribute("type", "radio"), t.radioValue = "t" === a.value,
a.setAttribute("checked", "t"), a.setAttribute("name", "t"), u = o.createDocumentFragment(),
u.appendChild(a), t.appendChecked = a.checked, t.checkClone =
u.cloneNode(!0).cloneNode(!0).lastChild.checked, d.attachEvent &&
(d.attachEvent("onclick", function () { t.noCloneEvent = !1 })), d.cloneNode(!0).click(); for
(f in { submit: !0, change: !0, focusin: !0 }) d.setAttribute(c = "on" + f, "t"), t[f + "Bubbles"]
= c in e || d.attributes[c].expando === !1; return d.style.backgroundClip = "content-box",
d.cloneNode(!0).style.backgroundClip = "", t.clearCloneStyle = "content-box" ===
d.style.backgroundClip, b(function () { var n, r, a, s =
"padding:0;margin:0;border:0;display:block;box-sizing:content-box;-moz-box-
sizing:content-box;-webkit-box-sizing:content-box;", u =
o.getElementsByTagName("body")[0]; u && (n = o.createElement("div"), n.style.cssText =
"border:0;width:0;height:0;position:absolute;top:0;left:-9999px;margin-top:1px",
u.appendChild(n).appendChild(d), d.innerHTML =
"<table><tr><td></td><td>t</td></tr></table>", a = d.getElementsByTagName("td"),
a[0].style.cssText = "padding:0;margin:0;border:0;display:none", p = 0 ===
a[0].offsetHeight, a[0].style.display = "", a[1].style.display = "none", t.reliableHiddenOffsets
= p && 0 === a[0].offsetHeight, d.innerHTML = "", d.style.cssText = "box-sizing:border-
box;-moz-box-sizing:border-box;-webkit-box-sizing:border-
box;padding:1px;border:1px;display:block;width:4px;margin-
top:1%;position:absolute;top:1%;", t.boxSizing = 4 === d.offsetWidth,
t.doesNotIncludeMarginInBodyOffset = 1 !== u.offsetTop, e.getComputedStyle &&
(t.pixelPosition = "1%" !== (e.getComputedStyle(d, null) || {}).top, t.boxSizingReliable =
"4px" === (e.getComputedStyle(d, null) || { width: "4px" }).width, r =
d.appendChild(o.createElement("div")), r.style.cssText = d.style.cssText = s,
r.style.marginRight = r.style.width = "0", d.style.width = "1px", t.reliableMarginRight =
!parseFloat((e.getComputedStyle(r, null) || {}).marginRight)), typeof d.style.zoom !== i &&
(d.innerHTML = "", d.style.cssText = s + "width:1px;padding:1px;display:inline;zoom:1",
t.inlineBlockNeedsLayout = 3 === d.offsetWidth, d.style.display = "block", d.innerHTML =

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"<div></div>", d.firstChild.style.width = "5px", t.shrinkWrapBlocks = 3 !== d.offsetWidth,
t.inlineBlockNeedsLayout && (u.style.zoom = 1)), u.removeChild(n), n = d = a = r = null)
}), n = s = u = l = r = a = null, t } (); var O = /(?:\{[\s\S]*\}|\[[\s\S]*\])$/g, B = /([A-Z])/g;
function P(e, n, r, i) { if (b.acceptData(e)) { var o, a, s = b.expando, u = "string" === typeof n, l
= e.nodeType, p = l ? b.cache : e, f = l ? e[s] : e[s] && s; if (f && p[f] && (i || p[f].data) || !u
|| r !== t) return f || (l ? e[s] = f = c.pop() || b.guid++ : f = s), p[f] || (p[f] = {}, l || (p[f].toJSON
= b.noop)), ("object" === typeof n || "function" === typeof n) && (i ? p[f] = b.extend(p[f], n) :
p[f].data = b.extend(p[f].data, n)), o = p[f], i || (o.data || (o.data = {}), o = o.data), r !== t &&
(o[b.camelCase(n)] = r), u ? (a = o[n], null === a && (a = o[b.camelCase(n)])) : a = o, a } }
function R(e, t, n) { if (b.acceptData(e)) { var r, i, o, a = e.nodeType, s = a ? b.cache : e, u = a
? e[b.expando] : b.expando; if (s[u]) { if (t && (o = n ? s[u] : s[u].data)) { b.isArray(t) ? t =
t.concat(b.map(t, b.camelCase)) : t in o ? t = [t] : (t = b.camelCase(t), t = t in o ? [t] : t.split("
")); for (r = 0, i = t.length; i > r; r++) delete o[t[r]]; if (!(n ? $ : b.isEmptyObject)(o)) return }
(n || (delete s[u].data, $(s[u]))) && (a ? b.cleanData([e], !0) : b.support.deleteExpando || s !==
s.window ? delete s[u] : s[u] = null) } } } b.extend({ cache: {}, expando: "jQuery" + (p +
Math.random()).replace(/D/g, ""), noData: { embed: !0, object: "clsid:D27CDB6E-AE6D-
11cf-96B8-444553540000", applet: !0 }, hasData: function (e) { return e = e.nodeType ?
b.cache[e[b.expando]] : e[b.expando], !!e && !$e }, data: function (e, t, n) { return P(e, t, n)
}, removeData: function (e, t) { return R(e, t) }, _data: function (e, t, n) { return P(e, t, n, !0)
}, _removeData: function (e, t) { return R(e, t, !0) }, acceptData: function (e) { if
(e.nodeType && 1 !== e.nodeType && 9 !== e.nodeType) return !1; var t = e.nodeName
&& b.noData[e.nodeName.toLowerCase()]; return !t || t !== !0 && e.getAttribute("classid")
=== t } }, b.fn.extend({ data: function (e, n) { var r, i, o = this[0], a = 0, s = null; if (e === t)
{ if (this.length && (s = b.data(o), 1 === o.nodeType && !b._data(o, "parsedAttrs"))) { for (r =
o.attributes; r.length > a; a++) i = r[a].name, i.indexOf("data-") || (i =
b.camelCase(i.slice(5)), W(o, i, s[i])); b._data(o, "parsedAttrs", !0) } return s } return "object"
=== typeof e ? this.each(function () { b.data(this, e) }) : b.access(this, function (n) { return n
=== t ? o ? W(o, e, b.data(o, e)) : null : (this.each(function () { b.data(this, e, n) }), t) }, null,
n, arguments.length > 1, null, !0) }, removeData: function (e) { return this.each(function () {
b.removeData(this, e) }) }); function W(e, n, r) { if (r === t && 1 === e.nodeType) { var i
= "data-" + n.replace(B, "-$1").toLowerCase(); if (r = e.getAttribute(i), "string" === typeof r) {
try { r = "true" === r ? !0 : "false" === r ? !1 : "null" === r ? null : +r + "" === r ? +r :
O.test(r) ? b.parseJSON(r) : r } catch (o) { } b.data(e, n, r) } else r = t } return r } function
$(e) { var t; for (t in e) if (("data" !== t || !b.isEmptyObject(e[t])) && "toJSON" !== t) return
!1; return !0 } b.extend({ queue: function (e, n, r) { var i; return e ? (n = (n || "fx") + "queue",
i = b._data(e, n), r && (!i || b.isArray(r) ? i = b._data(e, n, b.makeArray(r)) : i.push(r)), i || [])
: t }, dequeue: function (e, t) { t = t || "fx"; var n = b.queue(e, t), r = n.length, i = n.shift(), o =
b._queueHooks(e, t), a = function () { b.dequeue(e, t) }; "inprogress" === i && (i = n.shift(),
r--), o.cur = i, i && ("fx" === t && n.unshift("inprogress"), delete o.stop, i.call(e, a, o)), !r
&& o && o.empty.fire() }, _queueHooks: function (e, t) { var n = t + "queueHooks"; return
b._data(e, n) || b._data(e, n, { empty: b.Callbacks("once memory").add(function () {
b._removeData(e, t + "queue"), b._removeData(e, n) }) }) }, b.fn.extend({ queue: function (e, n) {
var r = 2; return "string" !== typeof e && (n = e, e = "fx", r--), r > arguments.length ?
b.queue(this[0], e) : n === t ? this : this.each(function () { var t = b.queue(this, e, n);
b._queueHooks(this, e), "fx" === e && "inprogress" !== t[0] && b.dequeue(this, e) },
dequeue: function (e) { return this.each(function () { b.dequeue(this, e) }) }, delay: function
(e, t) { return e = b.fx ? b.fx.speeds[e] || e : e, t = t || "fx", this.queue(t, function (t, n) {
var r = setTimeout(t, e); n.stop = function () { clearTimeout(r) } }) }, clearQueue: function (e) {
return this.queue(e || "fx", []), promise: function (e, n) { var r, i = 1, o = b.Deferred(), a =
this, s = this.length, u = function () { --i || o.resolveWith(a, [a]) }; "string" !== typeof e && (n

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= e, e = t), e = e || "fx"; while (s--) r = b._data(a[s], e + "queueHooks"), r && r.empty &&
(i++, r.empty.add(u)); return u(), o.promise(n) } })); var I, z, X = /\[t\r\n/g, U = /\r/g, V =
/^(?:input|select|textarea|button|object)$/i, Y = /^(?:a|area)$/i, J =
/^(?:checked|selected|autofocus|autoplay|async|controls|defer|disabled|hidden|loop|multiple|op
en|readonly|required|scoped)$/i, G = /^(?:checked|selected)$/i, Q = b.support.getSetAttribute,
K = b.support.input; b.fn.extend({ attr: function (e, t) { return b.access(this, b.attr, e, t,
arguments.length > 1) }, removeAttr: function (e) { return this.each(function () {
b.removeAttr(this, e) }) }, prop: function (e, t) { return b.access(this, b.prop, e, t,
arguments.length > 1) }, removeProp: function (e) { return e = b.propFix[e] || e,
this.each(function () { try { this[e] = t, delete this[e] } catch (n) { } }) }, addClass: function
(e) { var t, n, r, i, o, a = 0, s = this.length, u = "string" === typeof e && e; if (b.isFunction(e))
return this.each(function (t) { b(this).addClass(e.call(this, t, this.className)) }); if (u) for (t =
(e || "").match(w) || []; s > a; a++) if (n = this[a], r = 1 === n.nodeType && (n.className ? ("
" + n.className + " ").replace(X, " ") : " ")) { o = 0; while (i = t[o++]) 0 > r.indexOf(" " + i +
" ") && (r += i + " "); n.className = b.trim(r) } return this }, removeClass: function (e) { var
t, n, r, i, o, a = 0, s = this.length, u = 0 === arguments.length || "string" === typeof e && e; if
(b.isFunction(e)) return this.each(function (t) { b(this).removeClass(e.call(this, t,
this.className)) }); if (u) for (t = (e || "").match(w) || []; s > a; a++) if (n = this[a], r = 1 ===
n.nodeType && (n.className ? (" " + n.className + " ").replace(X, " ") : "")) { o = 0; while
(i = t[o++]) while (r.indexOf(" " + i + " ") >= 0) r = r.replace(" " + i + " ", " "); n.className =
e ? b.trim(r) : "" } return this }, toggleClass: function (e, t) { var n = typeof e, r = "boolean"
=== typeof t; return b.isFunction(e) ? this.each(function (n) { b(this).toggleClass(e.call(this, n,
this.className, t), t) }) : this.each(function () { if ("string" === n) { var o, a = 0, s = b(this), u
= t, l = e.match(w) || []; while (o = l[a++]) u = r ? u : !s.hasClass(o), s[u ? "addClass" :
"removeClass"](o) } else (n === i || "boolean" === n) && (this.className && b._data(this,
"__className__", this.className), this.className = this.className || e === !1 ? "" :
b._data(this, "__className__") || "") } } }, hasClass: function (e) { var t = " " + e + " ", n = 0,
r = this.length; for (; r > n; n++) if (1 === this[n].nodeType && (" " + this[n].className +
").replace(X, " ").indexOf(t) >= 0) return !0; return !1 }, val: function (e) { var n, r, i, o =
this[0]; { if (arguments.length) return i = b.isFunction(e), this.each(function (n) { var o, a =
b(this); 1 === this.nodeType && (o = i ? e.call(this, n, a.val()) : e, null == o ? o = "" :
"number" === typeof o ? o += "" : b.isArray(o) && (o = b.map(o, function (e) { return null ==
e ? "" : e + "" })), r = b.valHooks[this.type] || b.valHooks[this.nodeName.toLowerCase()], r
&& "set" in r && r.set(this, o, "value") !== t || (this.value = o)) }); if (o) return r =
b.valHooks[o.type] || b.valHooks[o.nodeName.toLowerCase()], r && "get" in r && (n =
r.get(o, "value")) !== t ? n : (n = o.value, "string" === typeof n ? n.replace(U, "") : null == n ?
"" : n) } } }, b.extend({ valHooks: { option: { get: function (e) { var t = e.attributes.value;
return !t || t.specified ? e.value : e.text } }, select: { get: function (e) { var t, n, r = e.options, i
= e.selectedIndex, o = "select-one" === e.type || 0 > i, a = o ? null : [], s = o ? i + 1 : r.length,
u = 0 > i ? s : o ? i : 0; for (; s > u; u++) if (n = r[u], !(n.selected && u !== i ||
(b.support.optDisabled ? n.disabled : null !== n.getAttribute("disabled")) ||
n.parentNode.disabled && b.nodeName(n.parentNode, "optgroup"))) { if (t = b(n).val(), o)
return t; a.push(t) } return a }, set: function (e, t) { var n = b.makeArray(t); return
b(e).find("option").each(function () { this.selected = b.inArray(b(this).val(), n) >= 0 }),
n.length || (e.selectedIndex = -1), n } } }, attr: function (e, n, r) { var o, a, s, u = e.nodeType;
if (e && 3 !== u && 8 !== u && 2 !== u) return typeof e.getAttribute === i ? b.prop(e, n, r) :
(a = 1 !== u || !b.isXMLDoc(e), a && (n = n.toLowerCase(), o = b.attrHooks[n] || (J.test(n)
? z : I)), r === t ? o && a && "get" in o && null !== (s = o.get(e, n)) ? s : (typeof
e.getAttribute !== i && (s = e.getAttribute(n)), null == s ? t : s) : null !== r ? o && a &&
"set" in o && (s = o.set(e, r, n)) !== t ? s : (e.setAttribute(n, r + ""), r) : (b.removeAttr(e, n),

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t)) }, removeAttr: function (e, t) { var n, r, i = 0, o = t && t.match(w); if (o && 1 ===
e.nodeType) while (n = o[i++]) r = b.propFix[n] || n, J.test(n) ? !Q && G.test(n) ?
e[b.camelCase("default-" + n)] = e[r] = !1 : e[r] = !1 : b.attr(e, n, ""), e.removeAttribute(Q ? n
: r) }, attrHooks: { type: { set: function (e, t) { if (!b.support.radioValue && "radio" === t
&& b.nodeName(e, "input")) { var n = e.value; return e.setAttribute("type", t), n && (e.value
= n), t } } }, propFix: { tabIndex: "tabIndex", readonly: "readOnly", "for": "htmlFor",
"class": "className", maxlength: "maxLength", cellspacing: "cellSpacing", cellpadding:
"cellPadding", rowspan: "rowSpan", colspan: "colSpan", usemap: "useMap", frameborder:
"frameBorder", contenteditable: "contentEditable" }, prop: function (e, n, r) { var i, o, a, s =
e.nodeType; if (e && 3 !== s && 8 !== s && 2 !== s) return a = 1 !== s || !b.isXMLDoc(e),
a && (n = b.propFix[n] || n, o = b.propHooks[n]), r !== t ? o && "set" in o && (i = o.set(e, r,
n)) !== t ? i : e[n] = r : o && "get" in o && null !== (i = o.get(e, n)) ? i : e[n] }, propHooks: {
tabIndex: { get: function (e) { var n = e.getAttributeNode("tabindex"); return n &&
n.specified ? parseInt(n.value, 10) : V.test(e.nodeName) || Y.test(e.nodeName) && e.href ? 0
: t } } }, z = { get: function (e, n) { var r = b.prop(e, n), i = "boolean" == typeof r &&
e.getAttribute(n), o = "boolean" == typeof r ? K && Q ? null != i : G.test(n) ?
e[b.camelCase("default-" + n)] : !!i : e.getAttributeNode(n); return o && o.value !== !1 ?
n.toLowerCase() : t }, set: function (e, t, n) { return t === !1 ? b.removeAttr(e, n) : K && Q
!G.test(n) ? e.setAttribute(!Q && b.propFix[n] || n, n) : e[b.camelCase("default-" + n)] = e[n]
= !0, n } }, K && Q || (b.attrHooks.value = { get: function (e, n) { var r =
e.getAttributeNode(n); return b.nodeName(e, "input") ? e.defaultValue : r && r.specified ?
r.value : t }, set: function (e, n, r) { return b.nodeName(e, "input") ? (e.defaultValue = n, t) : I
&& I.set(e, n, r) } }), Q || (I = b.valHooks.button = { get: function (e, n) { var r =
e.getAttributeNode(n); return r && ("id" === n || "name" === n || "coords" === n ? "" !==
r.value : r.specified) ? r.value : t }, set: function (e, n, r) { var i = e.getAttributeNode(r);
return i || e.setAttributeNode(i = e.ownerDocument.createAttribute(r)), i.value = n += "",
"value" === r || n === e.getAttribute(r) ? n : t } }, b.attrHooks.contenteditable = { get: I.get,
set: function (e, t, n) { I.set(e, "" === t ? !1 : t, n) } }, b.each(["width", "height"], function (e,
n) { b.attrHooks[n] = b.extend(b.attrHooks[n], { set: function (e, r) { return "" === r ?
(e.setAttribute(n, "auto"), r) : t } } })), b.support.hrefNormalized || (b.each(["href", "src",
"width", "height"], function (e, n) { b.attrHooks[n] = b.extend(b.attrHooks[n], { get: function
(e) { var r = e.getAttribute(n, 2); return null == r ? t : r } } })), b.each(["href", "src"], function
(e, t) { b.propHooks[t] = { get: function (e) { return e.getAttribute(t, 4) } } })), b.support.style
|| (b.attrHooks.style = { get: function (e) { return e.style.cssText || t }, set: function (e, t) {
return e.style.cssText = t + "" } })), b.support.optSelected || (b.propHooks.selected =
b.extend(b.propHooks.selected, { get: function (e) { var t = e.parentNode; return t &&
(t.selectedIndex, t.parentNode && t.parentNode.selectedIndex), null } })), b.support.enctype
|| (b.propFix.enctype = "encoding"), b.support.checkOn || b.each(["radio", "checkbox"],
function () { b.valHooks[this] = { get: function (e) { return null === e.getAttribute("value") ?
"on" : e.value } } }, b.each(["radio", "checkbox"], function () { b.valHooks[this] =
b.extend(b.valHooks[this], { set: function (e, n) { return b.isArray(n) ? e.checked =
b.inArray(b(e).val(), n) >= 0 : t } } })); var Z = /^(?:input|select|textarea)$/i, et = /^key/, tt =
/^(?:mouse|contextmenu)|click/, nt = /^(?:focusin|focus|focusout|blur)$/i, rt =
/^(?:[^\.]*)(?:\.(+))$/; function it() { return !0 } function ot() { return !1 } b.event = { global:
{}}, add: function (e, n, r, o, a) { var s, u, l, c, p, f, d, h, g, m, y, v = b._data(e); if (v) {
r.handler && (c = r, r = c.handler, a = c.selector), r.guid || (r.guid = b.guid++), (u = v.events)
|| (u = v.events = {}), (f = v.handle) || (f = v.handle = function (e) { return typeof b === i || e
&& b.event.triggered === e.type ? t : b.event.dispatch.apply(f.elem, arguments) }, f.elem =
e), n = (n || "").match(w) || [""], l = n.length; while (l--) s = rt.exec(n[l]) || [], g = y = s[1], m =
(s[2] || "").split(".").sort(), p = b.event.special[g] || {}, g = (a ? p.delegateType : p.bindType) ||

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g, p = b.event.special[g] || {}, d = b.extend({ type: g, origType: y, data: o, handler: r, guid:
r.guid, selector: a, needsContext: a && b.expr.match.needsContext.test(a), namespace:
m.join(".") }, c), (h = u[g]) || (h = u[g] = [], h.delegateCount = 0, p.setup && p.setup.call(e, o,
m, f) !== !1 || (e.addEventListener ? e.addEventListener(g, f, !1) : e.attachEvent &&
e.attachEvent("on" + g, f))), p.add && (p.add.call(e, d), d.handler.guid || (d.handler.guid =
r.guid)), a ? h.splice(h.delegateCount++, 0, d) : h.push(d), b.event.global[g] = !0; e = null } },
remove: function (e, t, n, r, i) { var o, a, s, u, l, c, p, f, d, h, g, m = b.hasData(e) &&
b._data(e); if (m && (c = m.events)) { t = (t || "").match(w) || [""], l = t.length; while (l--) if (s
= rt.exec(t[l]) || [], d = g = s[1], h = (s[2] || "").split(".").sort(), d) { p = b.event.special[d] || {},
d = (r ? p.delegateType : p.bindType) || d, f = c[d] || [], s = s[2] && RegExp("(^\\|\\.)" +
h.join("\\.(?:.*\\.|)") + "(\\.|$)"), u = o = f.length; while (o--) a = f[o], !i && g !== a.origType ||
n && n.guid !== a.guid || s && !s.test(a.namespace) || r && r !== a.selector && ("*" !== r ||
!a.selector) || (f.splice(o, 1), a.selector && f.delegateCount--, p.remove && p.remove.call(e,
a)); u && !f.length && (p.teardown && p.teardown.call(e, h, m.handle) !== !1 ||
b.removeEvent(e, d, m.handle), delete c[d]) } else for (d in c) b.event.remove(e, d + t[l], n, r,
!0); b.isEmptyObject(c) && (delete m.handle, b._removeData(e, "events")) } }, trigger:
function (n, r, i, a) { var s, u, l, c, p, f, d, h = [i || o], g = y.call(n, "type") ? n.type : n, m =
y.call(n, "namespace") ? n.namespace.split(".") : []; if (l = f = i = i || o, 3 !== i.nodeType &&
8 !== i.nodeType && !nt.test(g + b.event.triggered) && (g.indexOf(".") >= 0 && (m =
g.split("."), g = m.shift(), m.sort()), u = 0 > g.indexOf(":") && "on" + g, n = n[b.expando] ? n
: new b.Event(g, "object" === typeof n && n), n.isTrigger = !0, n.namespace = m.join("."),
n.namespace_re = n.namespace ? RegExp("(^\\|\\.)" + m.join("\\.(?:.*\\.|)") + "(\\.|$)") : null,
n.result = t, n.target = i, r = null === r ? [n] : b.makeArray(r, [n]), p =
b.event.special[g] || {}, a || !p.trigger || p.trigger.apply(i, r) !== !1) { if (!a && !p.noBubble
&& !b.isWindow(i)) { for (c = p.delegateType || g, nt.test(c + g) || (l = l.parentNode); l =
l.parentNode) h.push(l), f = l; f === (i.ownerDocument || o) && h.push(f.defaultView ||
f.parentWindow || e) } d = 0; while ((l = h[d++]) && !n.isPropagationStopped()) n.type = d >
1 ? c : p.bindType || g, s = (b._data(l, "events") || {})[n.type] && b._data(l, "handle"), s &&
s.apply(l, r), s = u && l[u], s && b.acceptData(l) && s.apply && s.apply(l, r) === !1 &&
n.preventDefault(); if (n.type = g, !(a || n.isDefaultPrevented() || p._default &&
p._default.apply(i.ownerDocument, r) !== !1 || "click" === g && b.nodeName(i, "a") ||
!b.acceptData(i) || !u || !i[g] || b.isWindow(i))) { f = i[u], f && (i[u] = null), b.event.triggered
= g; try { i[g]() } catch (v) {} } b.event.triggered = t, f && (i[u] = f) } return n.result } },
dispatch: function (e) { e = b.event.fix(e); var n, r, i, o, a, s = [], u = h.call(arguments), l =
(b._data(this, "events") || {})[e.type] || [], c = b.event.special[e.type] || {}; if (u[0] = e,
e.delegateTarget = this, !c.preDispatch || c.preDispatch.call(this, e) !== !1) { s =
b.event.handlers.call(this, e, l), n = 0; while ((o = s[n++]) && !e.isPropagationStopped()) {
e.currentTarget = o.elem, a = 0; while ((i = o.handlers[a++]) &&
!e.isImmediatePropagationStopped()) (!e.namespace_re || e.namespace_re.test(i.namespace))
&& (e.handleObj = i, e.data = i.data, r = ((b.event.special[i.origType] || {}).handle ||
i.handler).apply(o.elem, u), r !== t && (e.result = r) === !1 && (e.preventDefault(),
e.stopPropagation())) } return c.postDispatch && c.postDispatch.call(this, e), e.result } },
handlers: function (e, n) { var r, i, o, a, s = [], u = n.delegateCount, l = e.target; if (u &&
l.nodeType && (!e.button || "click" !== e.type)) for (; l !== this; l = l.parentNode || this) if (l
=== l.nodeType && (l.disabled !== !0 || "click" !== e.type)) { for (o = [], a = 0; u > a; a++) i
= n[a], r = i.selector + " ", o[r] === t && (o[r] = i.needsContext ? b(r, this).index(l) >= 0 :
b.find(r, this, null, [l]).length), o[r] && o.push(i); o.length && s.push({ elem: l, handlers: o
}) } return n.length > u && s.push({ elem: this, handlers: n.slice(u) }), s }, fix: function (e) {
if (e[b.expando]) return e; var t, n, r, i = e.type, a = e, s = this.fixHooks[i]; s ||
(this.fixHooks[i] = s = tt.test(i) ? this.mouseHooks : et.test(i) ? this.keyHooks : {}), r =

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s.props ? this.props.concat(s.props) : this.props, e = new b.Event(a), t = r.length; while (t--) n
= r[t], e[n] = a[n]; return e.target || (e.target = a.srcElement || o), 3 === e.target.nodeType &&
(e.target = e.target.parentNode), e.metaKey = !!e.metaKey, s.filter ? s.filter(e, a) : e }, props:
"altKey bubbles cancelable ctrlKey currentTarget eventPhase metaKey relatedTarget
shiftKey target timeStamp view which".split(" "), fixHooks: {}, keyHooks: { props: "char
charCode key keyCode".split(" "), filter: function (e, t) { return null == e.which && (e.which
= null != t.charCode ? t.charCode : t.keyCode), e } }, mouseHooks: { props: "button buttons
clientX clientY fromElement offsetX offsetY pageX pageY screenX screenY
toElement".split(" "), filter: function (e, n) { var r, i, a, s = n.button, u = n.fromElement;
return null == e.pageX && null != n.clientX && (i = e.target.ownerDocument || o, a =
i.documentElement, r = i.body, e.pageX = n.clientX + (a && a.scrollLeft || r && r.scrollLeft
|| 0) - (a && a.clientLeft || r && r.clientLeft || 0), e.pageY = n.clientY + (a && a.scrollTop || r
&& r.scrollTop || 0) - (a && a.clientTop || r && r.clientTop || 0)), !e.relatedTarget && u &&
(e.relatedTarget = u === e.target ? n.toElement : u), e.which || s === t || (e.which = 1 & s ? 1 :
2 & s ? 3 : 4 & s ? 2 : 0), e } }, special: { load: { noBubble: !0 }, click: { trigger: function () {
return b.nodeName(this, "input") && "checkbox" === this.type && this.click ? (this.click(),
!1) : t } }, focus: { trigger: function () { if (this !== o.activeElement && this.focus) try {
return this.focus(), !1 } catch (e) { } }, delegateType: "focusin" }, blur: { trigger: function () {
return this === o.activeElement && this.blur ? (this.blur(), !1) : t }, delegateType: "focusout"
}, beforeunload: { postDispatch: function (e) { e.result !== t &&
(e.originalEvent.returnValue = e.result) } } }, simulate: function (e, t, n, r) { var i =
b.extend(new b.Event, n, { type: e, isSimulated: !0, originalEvent: {} }); r ? b.event.trigger(i,
null, t) : b.event.dispatch.call(t, i), i.isDefaultPrevented() && n.preventDefault() } },
b.removeEvent = o.removeEventListener ? function (e, t, n) { e.removeEventListener &&
e.removeEventListener(t, n, !1) } : function (e, t, n) { var r = "on" + t; e.detachEvent &&
(typeof e[r] === i && (e[r] = null), e.detachEvent(r, n)) }, b.Event = function (e, n) { return
this instanceof b.Event ? (e && e.type ? (this.originalEvent = e, this.type = e.type,
this.isDefaultPrevented = e.defaultPrevented || e.returnValue === !1 || e.getPreventDefault
&& e.getPreventDefault() ? it : ot) : this.type = e, n && b.extend(this, n), this.timeStamp = e
&& e.timeStamp || b.now(), this[b.expando] = !0, t) : new b.Event(e, n) }, b.Event.prototype
= { isDefaultPrevented: ot, isPropagationStopped: ot, isImmediatePropagationStopped: ot,
preventDefault: function () { var e = this.originalEvent; this.isDefaultPrevented = it, e &&
(e.preventDefault ? e.preventDefault() : e.returnValue = !1) }, stopPropagation: function () {
var e = this.originalEvent; this.isPropagationStopped = it, e && (e.stopPropagation &&
e.stopPropagation(), e.cancelBubble = !0) }, stopImmediatePropagation: function () {
this.isImmediatePropagationStopped = it, this.stopPropagation() }, b.each({ mouseenter:
"mouseover", mouseleave: "mouseout" }, function (e, t) {

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    b.event.special[e] = { delegateType: t, bindType: t, handle: function (e) {
        var n, r = this, i = e.relatedTarget, o = e.handleObj;

        return (!i || i !== r && !b.contains(r, i)) && (e.type = o.origType, n =
o.handler.apply(this, arguments), e.type = t), n
    }
}

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    }}, b.support.submitBubbles || (b.event.special.submit = { setup: function () { return
b.nodeName(this, "form") ? !1 : (b.event.add(this, "click._submit keypress._submit", function
(e) { var n = e.target, r = b.nodeName(n, "input") || b.nodeName(n, "button") ? n.form : t; r

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&& !b._data(r, "submitBubbles") && (b.event.add(r, "submit._submit", function (e) {
e._submit_bubble = !0 }), b._data(r, "submitBubbles", !0)) }}, t }, postDispatch: function (e)
{ e._submit_bubble && (delete e._submit_bubble, this.parentNode && !e.isTrigger &&
b.event.simulate("submit", this.parentNode, e, !0)) }, teardown: function () { return
b.nodeName(this, "form") ? !1 : (b.event.remove(this, "_submit"), t) } }},
b.support.changeBubbles || (b.event.special.change = { setup: function () { return
Z.test(this.nodeName) ? (("checkbox" === this.type || "radio" === this.type) &&
(b.event.add(this, "propertychange._change", function (e) { "checked" ===
e.originalEvent.propertyName && (this._just_changed = !0) })), b.event.add(this,
"click._change", function (e) { this._just_changed && !e.isTrigger && (this._just_changed =
!1), b.event.simulate("change", this, e, !0) })), !1) : (b.event.add(this,
"beforeactivate._change", function (e) { var t = e.target; Z.test(t.nodeName) && !b._data(t,
"changeBubbles") && (b.event.add(t, "change._change", function (e) { !this.parentNode ||
e.isSimulated || e.isTrigger || b.event.simulate("change", this.parentNode, e, !0) })), b._data(t,
"changeBubbles", !0)) }}, t }, handle: function (e) { var n = e.target; return this !== n ||
e.isSimulated || e.isTrigger || "radio" !== n.type && "checkbox" !== n.type ?
e.handleObj.handler.apply(this, arguments) : t }, teardown: function () { return
b.event.remove(this, "_change"), !Z.test(this.nodeName) } }}, b.support.focusinBubbles ||
b.each({ focus: "focusin", blur: "focusout" }, function (e, t) { var n = 0, r = function (e) {
b.event.simulate(t, e.target, b.event.fix(e), !0) }; b.event.special[t] = { setup: function () { 0
=== n++ && o.addEventListener(e, r, !0) }, teardown: function () { 0 === --n &&
o.removeEventListener(e, r, !0) } } }, b.fn.extend({ on: function (e, n, r, i, o) { var a, s; if
("object" === typeof e) { "string" !== typeof n && (r = r || n, n = t); for (a in e) this.on(a, n, r,
e[a], o); return this } if (null === r && null === i ? (i = n, r = n = t) : null === i && ("string" ===
typeof n ? (i = r, r = t) : (i = r, r = n, n = t)), i === !1) i = ot; else if (!i) return this; return 1
=== o && (s = i, i = function (e) { return b().off(e), s.apply(this, arguments) }, i.guid = s.guid
|| (s.guid = b.guid++)), this.each(function () { b.event.add(this, e, i, r, n) } } }, one: function (e,
t, n, r) { return this.on(e, t, n, r, 1) }, off: function (e, n, r) { var i, o; if (e &&
e.preventDefault && e.handleObj) return i = e.handleObj,
b(e.delegateTarget).off(i.namespace ? i.origType + "." + i.namespace : i.origType, i.selector,
i.handler, this); if ("object" === typeof e) { for (o in e) this.off(o, n, e[o]); return this } return
(n === !1 || "function" === typeof n) && (r = n, n = t), r === !1 && (r = ot), this.each(function
() { b.event.remove(this, e, r, n) } } }, bind: function (e, t, n) { return this.on(e, null, t, n) },
unbind: function (e, t) { return this.off(e, null, t) }, delegate: function (e, t, n, r) { return
this.on(t, e, n, r) }, undelegate: function (e, t, n) { return 1 === arguments.length ? this.off(e,
"***") : this.off(t, e || "***", n) }, trigger: function (e, t) { return this.each(function () {
b.event.trigger(e, t, this) } } }, triggerHandler: function (e, n) { var r = this[0]; return r ?
b.event.trigger(e, n, r, !0) : t } }, function (e, t) { var n, r, i, o, a, s, u, l, c, p, f, d, h, g, m, y, v,
x = "sizzle" + -new Date, w = e.document, T = {}, N = 0, C = 0, k = it(), E = it(), S = it(), A =
typeof t, j = 1 << 31, D = [], L = D.pop, H = D.push, q = D.slice, M = D.indexOf || function
(e) { var t = 0, n = this.length; for (; n > t; t++) if (this[t] === e) return t; return -1 }, _ =
"[\x20\t\r\n\f]", F = "(?:\\.|[\\w-]|\\x00-\\xa0|\\u0000-\\u000f|\\u0010-\\u001f|\\u0020-\\u002f|\\u0030-\\u0039|\\u0040-\\u004f|\\u0050-\\u005f|\\u0060-\\u006f|\\u0070-\\u007f|\\u0080-\\u008f|\\u0090-\\u009f|\\u00a0-\\u00af|\\u00b0-\\u00bf|\\u00c0-\\u00cf|\\u00d0-\\u00df|\\u00e0-\\u00ef|\\u00f0-\\u00ff|\\u0100-\\u017f|\\u0180-\\u01ff|\\u0200-\\u02ff|\\u0300-\\u03ff|\\u0400-\\u04ff|\\u0500-\\u05ff|\\u0600-\\u06ff|\\u0700-\\u07ff|\\u0800-\\u08ff|\\u0900-\\u09ff|\\u0a00-\\u0aff|\\u0b00-\\u0bff|\\u0c00-\\u0cff|\\u0d00-\\u0dff|\\u0e00-\\u0eff|\\u0f00-\\u0fff|\\u1000-\\u10ff|\\u1100-\\u11ff|\\u1200-\\u12ff|\\u1300-\\u13ff|\\u1400-\\u14ff|\\u1500-\\u15ff|\\u1600-\\u16ff|\\u1700-\\u17ff|\\u1800-\\u18ff|\\u1900-\\u19ff|\\u1a00-\\u1aff|\\u1b00-\\u1bff|\\u1c00-\\u1cff|\\u1d00-\\u1dff|\\u1e00-\\u1eff|\\u1f00-\\u1fff|\\u2000-\\u20ff|\\u2100-\\u21ff|\\u2200-\\u22ff|\\u2300-\\u23ff|\\u2400-\\u24ff|\\u2500-\\u25ff|\\u2600-\\u26ff|\\u2700-\\u27ff|\\u2800-\\u28ff|\\u2900-\\u29ff|\\u2a00-\\u2aff|\\u2b00-\\u2bff|\\u2c00-\\u2cff|\\u2d00-\\u2dff|\\u2e00-\\u2eff|\\u2f00-\\u2fff|\\u3000-\\u30ff|\\u3100-\\u31ff|\\u3200-\\u32ff|\\u3300-\\u33ff|\\u3400-\\u34ff|\\u3500-\\u35ff|\\u3600-\\u36ff|\\u3700-\\u37ff|\\u3800-\\u38ff|\\u3900-\\u39ff|\\u3a00-\\u3aff|\\u3b00-\\u3bff|\\u3c00-\\u3cff|\\u3d00-\\u3dff|\\u3e00-\\u3eff|\\u3f00-\\u3fff|\\u4000-\\u40ff|\\u4100-\\u41ff|\\u4200-\\u42ff|\\u4300-\\u43ff|\\u4400-\\u44ff|\\u4500-\\u45ff|\\u4600-\\u46ff|\\u4700-\\u47ff|\\u4800-\\u48ff|\\u4900-\\u49ff|\\u4a00-\\u4aff|\\u4b00-\\u4bff|\\u4c00-\\u4cff|\\u4d00-\\u4dff|\\u4e00-\\u4eff|\\u4f00-\\u4fff|\\u5000-\\u50ff|\\u5100-\\u51ff|\\u5200-\\u52ff|\\u5300-\\u53ff|\\u5400-\\u54ff|\\u5500-\\u55ff|\\u5600-\\u56ff|\\u5700-\\u57ff|\\u5800-\\u58ff|\\u5900-\\u59ff|\\u5a00-\\u5aff|\\u5b00-\\u5bff|\\u5c00-\\u5cff|\\u5d00-\\u5dff|\\u5e00-\\u5eff|\\u5f00-\\u5fff|\\u6000-\\u60ff|\\u6100-\\u61ff|\\u6200-\\u62ff|\\u6300-\\u63ff|\\u6400-\\u64ff|\\u6500-\\u65ff|\\u6600-\\u66ff|\\u6700-\\u67ff|\\u6800-\\u68ff|\\u6900-\\u69ff|\\u6a00-\\u6aff|\\u6b00-\\u6bff|\\u6c00-\\u6cff|\\u6d00-\\u6dff|\\u6e00-\\u6eff|\\u6f00-\\u6fff|\\u7000-\\u70ff|\\u7100-\\u71ff|\\u7200-\\u72ff|\\u7300-\\u73ff|\\u7400-\\u74ff|\\u7500-\\u75ff|\\u7600-\\u76ff|\\u7700-\\u77ff|\\u7800-\\u78ff|\\u7900-\\u79ff|\\u7a00-\\u7aff|\\u7b00-\\u7bff|\\u7c00-\\u7cff|\\u7d00-\\u7dff|\\u7e00-\\u7eff|\\u7f00-\\u7fff|\\u8000-\\u80ff|\\u8100-\\u81ff|\\u8200-\\u82ff|\\u8300-\\u83ff|\\u8400-\\u84ff|\\u8500-\\u85ff|\\u8600-\\u86ff|\\u8700-\\u87ff|\\u8800-\\u88ff|\\u8900-\\u89ff|\\u8a00-\\u8aff|\\u8b00-\\u8bff|\\u8c00-\\u8cff|\\u8d00-\\u8dff|\\u8e00-\\u8eff|\\u8f00-\\u8fff|\\u9000-\\u90ff|\\u9100-\\u91ff|\\u9200-\\u92ff|\\u9300-\\u93ff|\\u9400-\\u94ff|\\u9500-\\u95ff|\\u9600-\\u96ff|\\u9700-\\u97ff|\\u9800-\\u98ff|\\u9900-\\u99ff|\\u9a00-\\u9aff|\\u9b00-\\u9bff|\\u9c00-\\u9cff|\\u9d00-\\u9dff|\\u9e00-\\u9eff|\\u9f00-\\u9fff|\\ua000-\\ua0ff|\\ua100-\\ua1ff|\\ua200-\\ua2ff|\\ua300-\\ua3ff|\\ua400-\\ua4ff|\\ua500-\\ua5ff|\\ua600-\\ua6ff|\\ua700-\\ua7ff|\\ua800-\\ua8ff|\\ua900-\\ua9ff|\\uaa00-\\uaff|\\uab00-\\uabff|\\uac00-\\uacff|\\uad00-\\uadff|\\uae00-\\uae|\\uaf00-\\uaff|\\ub000-\\ub0ff|\\ub100-\\ub1ff|\\ub200-\\ub2ff|\\ub300-\\ub3ff|\\ub400-\\ub4ff|\\ub500-\\ub5ff|\\ub600-\\ub6ff|\\ub700-\\ub7ff|\\ub800-\\ub8ff|\\ub900-\\ub9ff|\\uba00-\\ubaff|\\ubb00-\\ubbff|\\ubc00-\\ubcff|\\ubd00-\\ubdff|\\ube00-\\ubeff|\\ubf00-\\ubfff|\\uc000-\\uc0ff|\\uc100-\\uc1ff|\\uc200-\\uc2ff|\\uc300-\\uc3ff|\\uc400-\\uc4ff|\\uc500-\\uc5ff|\\uc600-\\uc6ff|\\uc700-\\uc7ff|\\uc800-\\uc8ff|\\uc900-\\uc9ff|\\uca00-\\uc|\\ucb00-\\ucbff|\\ucc00-\\uccff|\\ucd00-\\ucdff|\\uce00-\\uceff|\\ucf00-\\ucfff|\\ud000-\\ud0ff|\\ud100-\\ud1ff|\\ud200-\\ud2ff|\\ud300-\\ud3ff|\\ud400-\\ud4ff|\\ud500-\\ud5ff|\\ud600-\\ud6ff|\\ud700-\\ud7ff|\\ud800-\\ud8ff|\\ud900-\\ud9ff|\\uda00-\\udaff|\\udb00-\\udbff|\\udc00-\\udcff|\\ude00-\\udeff|\\udf00-\\udfff|\\ue000-\\ue0ff|\\ue100-\\ue1ff|\\ue200-\\ue2ff|\\ue300-\\ue3ff|\\ue400-\\ue4ff|\\ue500-\\ue5ff|\\ue600-\\ue6ff|\\ue700-\\ue7ff|\\ue800-\\ue8ff|\\ue900-\\ue9ff|\\uea00-\\ueaff|\\ueb00-\\uebff|\\uec00-\\uecff|\\ued00-\\uedff|\\uef00-\\uefff|\\uf000-\\uf0ff|\\uf100-\\uf1ff|\\uf200-\\uf2ff|\\uf300-\\uf3ff|\\uf400-\\uf4ff|\\uf500-\\uf5ff|\\uf600-\\uf6ff|\\uf700-\\uf7ff|\\uf800-\\uf8ff|\\uf900-\\uf9ff|\\ufa00-\\ufaff|\\ufb00-\\ufbff|\\ufc00-\\ufcff|\\ufd00-\\ufdff|\\ufe00-\\ufeff|\\uff00-\\uffff|\\u10000-\\u100ff|\\u10100-\\u101ff|\\u10200-\\u102ff|\\u10300-\\u103ff|\\u10400-\\u104ff|\\u10500-\\u105ff|\\u10600-\\u106ff|\\u10700-\\u107ff|\\u10800-\\u108ff|\\u10900-\\u109ff|\\u10a00-\\u10aff|\\u10b00-\\u10bff|\\u10c00-\\u10cff|\\u10d00-\\u10dff|\\u10e00-\\u10eff|\\u10f00-\\u10fff|\\u11000-\\u110ff|\\u11100-\\u111ff|\\u11200-\\u112ff|\\u11300-\\u113ff|\\u11400-\\u114ff|\\u11500-\\u115ff|\\u11600-\\u116ff|\\u11700-\\u117ff|\\u11800-\\u118ff|\\u11900-\\u119ff|\\u11a00-\\u11aff|\\u11b00-\\u11bff|\\u11c00-\\u11cff|\\u11d00-\\u11dff|\\u11e00-\\u11eff|\\u11f00-\\u11fff|\\u12000-\\u120ff|\\u12100-\\u121ff|\\u12200-\\u122ff|\\u12300-\\u123ff|\\u12400-\\u124ff|\\u12500-\\u125ff|\\u12600-\\u126ff|\\u12700-\\u127ff|\\u12800-\\u128ff|\\u12900-\\u129ff|\\u12a00-\\u12aff|\\u12b00-\\u12bff|\\u12c00-\\u12cff|\\u12d00-\\u12dff|\\u12e00-\\u12eff|\\u12f00-\\u12fff|\\u13000-\\u130ff|\\u13100-\\u131ff|\\u13200-\\u132ff|\\u13300-\\u133ff|\\u13400-\\u134ff|\\u13500-\\u135ff|\\u13600-\\u136ff|\\u13700-\\u137ff|\\u13800-\\u138ff|\\u13900-\\u139ff|\\u13a00-\\u13aff|\\u13b00-\\u13bff|\\u13c00-\\u13cff|\\u13d00-\\u13dff|\\u13e00-\\u13eff|\\u13f00-\\u13fff|\\u14000-\\u140ff|\\u14100-\\u141ff|\\u14200-\\u142ff|\\u14300-\\u143ff|\\u14400-\\u144ff|\\u14500-\\u145ff|\\u14600-\\u146ff|\\u14700-\\u147ff|\\u14800-\\u148ff|\\u14900-\\u149ff|\\u14a00-\\u14aff|\\u14b00-\\u14bff|\\u14c00-\\u14cff|\\u14d00-\\u14dff|\\u14e00-\\u14eff|\\u14f00-\\u14fff|\\u15000-\\u150ff|\\u15100-\\u151ff|\\u15200-\\u152ff|\\u15300-\\u153ff|\\u15400-\\u154ff|\\u15500-\\u155ff|\\u15600-\\u156ff|\\u15700-\\u157ff|\\u15800-\\u158ff|\\u15900-\\u159ff|\\u15a00-\\u15aff|\\u15b00-\\u15bff|\\u15c00-\\u15cff|\\u15d00-\\u15dff|\\u15e00-\\u15eff|\\u15f00-\\u15fff|\\u16000-\\u160ff|\\u16100-\\u161ff|\\u16200-\\u162ff|\\u16300-\\u163ff|\\u16400-\\u164ff|\\u16500-\\u165ff|\\u16600-\\u166ff|\\u16700-\\u167ff|\\u16800-\\u168ff|\\u16900-\\u169ff|\\u16a00-\\u16aff|\\u16b00-\\u16bff|\\u16c00-\\u16cff|\\u16d00-\\u16dff|\\u16e00-\\u16eff|\\u16f00-\\u16fff|\\u17000-\\u170ff|\\u17100-\\u171ff|\\u17200-\\u172ff|\\u17300-\\u173ff|\\u17400-\\u174ff|\\u17500-\\u175ff|\\u17600-\\u176ff|\\u17700-\\u177ff|\\u17800-\\u178ff|\\u17900-\\u179ff|\\u17a00-\\u17aff|\\u17b00-\\u17bff|\\u17c00-\\u17cff|\\u17d00-\\u17dff|\\u17e00-\\u17eff|\\u17f00-\\u17fff|\\u18000-\\u180ff|\\u18100-\\u181ff|\\u18200-\\u182ff|\\u18300-\\u183ff|\\u18400-\\u184ff|\\u18500-\\u185ff|\\u18600-\\u186ff|\\u18700-\\u187ff|\\u18800-\\u188ff|\\u18900-\\u189ff|\\u18a00-\\u18aff|\\u18b00-\\u18bff|\\u18c00-\\u18cff|\\u18d00-\\u18dff|\\u18e00-\\u18eff|\\u18f00-\\u18fff|\\u19000-\\u190ff|\\u19100-\\u191ff|\\u19200-\\u192ff|\\u19300-\\u193ff|\\u19400-\\u194ff|\\u19500-\\u195ff|\\u19600-\\u196ff|\\u19700-\\u197ff|\\u19800-\\u198ff|\\u19900-\\u199ff|\\u19a00-\\u19aff|\\u19b00-\\u19bff|\\u19c00-\\u19cff|\\u19d00-\\u19dff|\\u19e00-\\u19eff|\\u19f00-\\u19fff|\\u1a000-\\u1a0ff|\\u1a100-\\u1a1ff|\\u1a200-\\u1a2ff|\\u1a300-\\u1a3ff|\\u1a400-\\u1a4ff|\\u1a500-\\u1a5ff|\\u1a600-\\u1a6ff|\\u1a700-\\u1a7ff|\\u1a800-\\u1a8ff|\\u1a900-\\u1a9ff|\\u1aa00-\\u1aaff|\\u1ab00-\\u1abff|\\u1ac00-\\u1acff|\\u1ad00-\\u1adff|\\u1ae00-\\u1aeff|\\u1af00-\\u1afff|\\u1b000-\\u1b0ff|\\u1b100-\\u1b1ff|\\u1b200-\\u1b2ff|\\u1b300-\\u1b3ff|\\u1b400-\\u1b4ff|\\u1b500-\\u1b5ff|\\u1b600-\\u1b6ff|\\u1b700-\\u1b7ff|\\u1b800-\\u1b8ff|\\u1b900-\\u1b9ff|\\u1ba00-\\u1baff|\\u1bb00-\\u1bbff|\\u1bc00-\\u1bcff|\\u1bd00-\\u1bdff|\\u1be00-\\u1beff|\\u1bf00-\\u1bfff|\\u1c000-\\u1c0ff|\\u1c100-\\u1c1ff|\\u1c200-\\u1c2ff|\\u1c300-\\u1c3ff|\\u1c400-\\u1c4ff|\\u1c500-\\u1c5ff|\\u1c600-\\u1c6ff|\\u1c700-\\u1c7ff|\\u1c800-\\u1c8ff|\\u1c900-\\u1c9ff|\\u1ca00-\\u1caff|\\u1cb00-\\u1cbff|\\u1cc00-\\u1ccff|\\u1cd00-\\u1cdff|\\u1ce00-\\u1ceff|\\u1cf00-\\u1cfff|\\u1d000-\\u1d0ff|\\u1d100-\\u1d1ff|\\u1d200-\\u1d2ff|\\u1d300-\\u1d3ff|\\u1d400-\\u1d4ff|\\u1d500-\\u1d5ff|\\u1d600-\\u1d6ff|\\u1d700-\\u1d7ff|\\u1d800-\\u1d8ff|\\u1d900-\\u1d9ff|\\u1da00-\\u1daff|\\u1db00-\\u1dbff|\\u1dc00-\\u1dcff|\\u1dd00-\\u1ddff|\\u1de00-\\u1deff|\\u1df00-\\u1dfff|\\u1e000-\\u1e0ff|\\u1e100-\\u1e1ff|\\u1e200-\\u1e2ff|\\u1e300-\\u1e3ff|\\u1e400-\\u1e4ff|\\u1e500-\\u1e5ff|\\u1e600-\\u1e6ff|\\u1e700-\\u1e7ff|\\u1e800-\\u1e8ff|\\u1e900-\\u1e9ff|\\u1ea00-\\u1eaff|\\u1eb00-\\u1ebff|\\u1ec00-\\u1ecff|\\u1ed00-\\u1edff|\\u1ee00-\\u1eeff|\\u1ef00-\\u1efff|\\u1f000-\\u1f0ff|\\u1f100-\\u1f1ff|\\u1f200-\\u1f2ff|\\u1f300-\\u1f3ff|\\u1f400-\\u1f4ff|\\u1f500-\\u1f5ff|\\u1f600-\\u1f6ff|\\u1f700-\\u1f7ff|\\u1f800-\\u1f8ff|\\u1f900-\\u1f9ff|\\u1fa00-\\u1faff|\\u1fb00-\\u1fbff|\\u1fc00-\\u1fcff|\\u1fd00-\\u1fdff|\\u1fe00-\\u1feff|\\u1ff00-\\u1ffff|\\u20000-\\u200ff|\\u20100-\\u201ff|\\u20200-\\u202ff|\\u20300-\\u203ff|\\u20400-\\u204ff|\\u20500-\\u205ff|\\u20600-\\u206ff|\\u20700-\\u207ff|\\u20800-\\u208ff|\\u20900-\\u209ff|\\u20a00-\\u20aff|\\u20b00-\\u20bff|\\u20c00-\\u20cff|\\u20d00-\\u20dff|\\u20e00-\\u20eff|\\u20f00-\\u20fff|\\u21000-\\u210ff|\\u21100-\\u211ff|\\u21200-\\u212ff|\\u21300-\\u213ff|\\u21400-\\u214ff|\\u21500-\\u215ff|\\u21600-\\u216ff|\\u21700-\\u217ff|\\u21800-\\u218ff|\\u21900-\\u219ff|\\u21a00-\\u21aff|\\u21b00-\\u21bff|\\u21c00-\\u21cff|\\u21d00-\\u21dff|\\u21e00-\\u21eff|\\u21f00-\\u21fff|\\u22000-\\u220ff|\\u22100-\\u221ff|\\u22200-\\u222ff|\\u22300-\\u223ff|\\u22400-\\u224ff|\\u22500-\\u225ff|\\u22600-\\u226ff|\\u22700-\\u227ff|\\u22800-\\u228ff|\\u22900-\\u229ff|\\u22a00-\\u22aff|\\u22b00-\\u22bff|\\u22c00-\\u22cff|\\u22d00-\\u22dff|\\u22e00-\\u22eff|\\u22f00-\\u22fff|\\u23000-\\u230ff|\\u23100-\\u231ff|\\u23200-\\u232ff|\\u23300-\\u233ff|\\u23400-\\u234ff|\\u23500-\\u235ff|\\u23600-\\u236ff|\\u23700-\\u237ff|\\u23800-\\u238ff|\\u23900-\\u239ff|\\u23a00-\\u23aff|\\u23b00-\\u23bff|\\u23c00-\\u23cff|\\u23d00-\\u23dff|\\u23e00-\\u23eff|\\u23f00-\\u23fff|\\u24000-\\u240ff|\\u24100-\\u241ff|\\u24200-\\u242ff|\\u24300-\\u243ff|\\u24400-\\u244ff|\\u24500-\\u245ff|\\u24600-\\u246ff|\\u24700-\\u247ff|\\u24800-\\u248ff|\\u24900-\\u249ff|\\u24a00-\\u24aff|\\u24b00-\\u24bff|\\u24c00-\\u24cff|\\u24d00-\\u24dff|\\u24e00-\\u24eff|\\u24f00-\\u24fff|\\u25000-\\u250ff|\\u25100-\\u251ff|\\u25200-\\u252ff|\\u25300-\\u253ff|\\u25400-\\u254ff|\\u25500-\\u255ff|\\u25600-\\u256ff|\\u25700-\\u257ff|\\u25800-\\u258ff|\\u25900-\\u259ff|\\u25a00-\\u25aff|\\u25b00-\\u25bff|\\u25c00-\\u25cff|\\u25d00-\\u25dff|\\u25e00-\\u25eff|\\u25f00-\\u25fff|\\u26000-\\u260ff|\\u26100-\\u261ff|\\u26200-\\u262ff|\\u26300-\\u263ff|\\u26400-\\u264ff|\\u26500-\\u265ff|\\u26600-\\u266ff|\\u26700-\\u267ff|\\u26800-\\u268ff|\\u26900-\\u269ff|\\u26a00-\\u26aff|\\u26b00-\\u26bff|\\u26c00-\\u26cff|\\u26d00-\\u26dff|\\u26e00-\\u26eff|\\u26f00-\\u26fff|\\u27000-\\u270ff|\\u27100-\\u271ff|\\u27200-\\u272ff|\\u27300-\\u273ff|\\u27400-\\u274ff|\\u27500-\\u275ff|\\u27600-\\u276ff|\\u27700-\\u277ff|\\u27800-\\u278ff|\\u27900-\\u279ff|\\u27a00-\\u27aff|\\u27b00-\\u27bff|\\u27c00-\\u27cff|\\u27d00-\\u27dff|\\u27e00-\\u27eff|\\u27f00-\\u27fff|\\u28000-\\u280ff|\\u28100-\\u281ff|\\u28200-\\u282ff|\\u28300-\\u283ff|\\u28400-\\u284ff|\\u28500-\\u285ff|\\u28600-\\u286ff|\\u28700-\\u287ff|\\u28800-\\u288ff|\\u28900-\\u289ff|\\u28a00-\\u28aff|\\u28b00-\\u28bff|\\u28c00-\\u28cff|\\u28d00-\\u28dff|\\u28e00-\\u28eff|\\u28f00-\\u28fff|\\u29000-\\u290ff|\\u29100-\\u291ff|\\u29200-\\u292ff|\\u29300-\\u293ff|\\u29400-\\u294ff|\\u29500-\\u295ff|\\u29600-\\u296ff|\\u29700-\\u297ff|\\u29800-\\u298ff|\\u29900-\\u299ff|\\u29a00-\\u29aff|\\u29b00-\\u29bff|\\u29c00-\\u29cff|\\u29d00-\\u29dff|\\u29e00-\\u29eff|\\u29f00-\\u29fff|\\u2a000-\\u2a0ff|\\u2a100-\\u2a1ff|\\u2a200-\\u2a2ff|\\u2a300-\\u2a3ff|\\u2a400-\\u2a4ff|\\u2a500-\\u2a5ff|\\u2a600-\\u2a6ff|\\u2a700-\\u2a7ff|\\u2a800-\\u2a8ff|\\u2a900-\\u2a9ff|\\u2aa00-\\u2aaff|\\u2ab00-\\u2abff|\\u2ac00-\\u2acff|\\u2ad00-\\u2adff|\\u2ae00-\\u2aeff|\\u2af00-\\u2afff|\\u2b000-\\u2b0ff|\\u2b100-\\u2b1ff|\\u2b200-\\u2b2ff|\\u2b300-\\u2b3ff|\\u2b400-\\u2b4ff|\\u2b500-\\u2b5ff|\\u2b600-\\u2b6ff|\\u2b700-\\u2b7ff|\\u2b800-\\u2b8ff|\\u2b900-\\u2b9ff|\\u2ba00-\\u2baff|\\u2bb00-\\u2bbff|\\u2bc00-\\u2bcff|\\u2bd00-\\u2bdff|\\u2be00-\\u2beff|\\u2bf00-\\u2bfff|\\u2c000-\\u2c0ff|\\u2c100-\\u2c1ff|\\u2c200-\\u2c2ff|\\u2c300-\\u2c3ff|\\u2c400-\\u2c4ff|\\u2c500-\\u2c5ff|\\u2c600-\\u2c6ff|\\u2c700-\\u2c7ff|\\u2c800-\\u2c8ff|\\u2c900-\\u2c9ff|\\u2ca00-\\u2caff|\\u2cb00-\\u2cbff|\\u2cc00-\\u2ccff|\\u2cd00-\\u2cdff|\\u2ce00-\\u2ceff|\\u2cf00-\\u2cfff|\\u2d000-\\u2d0ff|\\u2d100-\\u2d1ff|\\u2d200-\\u2d2ff|\\u2d300-\\u2d3ff|\\u2d400-\\u2d4ff|\\u2d500-\\u2d5ff|\\u2d600-\\u2d6ff|\\u2d700-\\u2d7ff|\\u2d800-\\u2d8ff|\\u2d900-\\u2d9ff|\\u2da00-\\u2daff|\\u2db00-\\u2dbff|\\u2dc00-\\u2dcff|\\u2dd00-\\u2ddff|\\u2de00-\\u2deff|\\u2df00-\\u2dfff|\\u2e000-\\u2e0ff|\\u2e100-\\u2e1ff|\\u2e200-\\u2e2ff|\\u2e300-\\u2e3ff|\\u2e400-\\u2e4ff|\\u2e500-\\u2e5ff|\\u2e600-\\u2e6ff|\\u2e700-\\u2e7ff|\\u2e800-\\u2e8ff|\\u2e900-\\u2e9ff|\\u2ea00-\\u2eaff|\\u2eb00-\\u2ebff|\\u2ec00-\\u2ecff|\\u2ed00-\\u2edff|\\u2ee00-\\u2eeff|\\u2ef00-\\u2efff|\\u2f000-\\u2f0ff|\\u2f100-\\u2f1ff|\\u2f200-\\u2f2ff|\\u2f300-\\u2f3ff|\\u2f400-\\u2f4ff|\\u2f500-\\u2f5ff|\\u2f600-\\u2f6ff|\\u2f700-\\u2f7ff|\\u2f800-\\u2f8ff|\\u2f900-\\u2f9ff|\\u2fa00-\\u2faff|\\u2fb00-\\u2fbff|\\u2fc00-\\u2fcff|\\u2fd00-\\u2fdff|\\u2fe00-\\u2feff|\\u2ff00-\\u2ffff|\\u30000-\\u300ff|\\u30100-\\u301ff|\\u30200-\\u302ff|\\u30300-\\u303ff|\\u30400-\\u304ff|\\u30500-\\u305ff|\\u30600-\\u306ff|\\u30700-\\u307ff|\\u30800-\\u308ff|\\u30900-\\u309ff|\\u30a00-\\u30aff|\\u30b00-\\u30bff|\\u30c00-\\u30cff|\\u30d00-\\u30dff|\\u30e00-\\u30eff|\\u30f00-\\u30fff|\\u31000-\\u310ff|\\u31100-\\u311ff|\\u31200-\\u312ff|\\u31300
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RegExp("^(only|first|last|nth|nth-last)-(child|of-type)(?:\\(" + _ + "(even|odd|([+-]
)])(\\d*)n)" + _ + "*(?:([+-])" + _ + "*(\\d+))" + _ + "*(\\))", "i"), needsContext:
RegExp("^" + _ + "*(?:[>+~]|:(even|odd|eq|gt|lt|nth|first|last)(?:\\(" + _ + "*(?:-\\d)?\\d*)" + _ +
"*(\\)))(?=[^~]|$)", "i") }, V = /\[x20\t\r\n\f]*[+~]/, Y = /\^[^{}+\{\s*\[native code/, J =
/^(?:#([w-]+)|([w+])\.([w-]+))$/ , G = /^(?:input|select|textarea|button)$/i, Q = /\h\d$/i, K =
/"/\|g, Z = /\[x20\t\r\n\f]*([^\"]*)[\x20\t\r\n\f]*\]/g, et = /\([da-fA-
F]{1,6}\[x20\t\r\n\f]?[.)/g, tt = function (e, t) { var n = "0x" + t - 65536; return n !== n ? t : 0
> n ? String.fromCharCode(n + 65536) : String.fromCharCode(55296 | n >> 10, 56320 | 1023
& n) }; try { q.call(w.documentElement.childNodes, 0)[0].nodeType } catch (nt) { q =
function (e) { var t, n = []; while (t = this[e++]) n.push(t); return n } } function rt(e) { return
Y.test(e + "") } function it() { var e, t = []; return e = function (n, r) { return t.push(n += " ") >
i.cacheLength && delete e[t.shift()], e[n] = r } } function ot(e) { return e[x] !== 0, e } function
at(e) { var t = p.createElement("div"); try { return e(t) } catch (n) { return !1 } finally { t =
null } } function st(e, t, n, r) { var i, o, a, s, u, l, f, g, m, v; if ((t ? t.ownerDocument || t : w)
!== p && c(t), t = t || p, n = n || [], !e || "string" !== typeof e) return n; if (1 !== (s =
t.nodeType) && 9 !== s) return []; if (!d && !r) { if (i = J.exec(e)) if (a = i[1]) { if (9 === s)
{ if (o = t.getElementById(a), !o || !o.parentNode) return n; if (o.id === a) return n.push(o), n
} else if (t.ownerDocument && (o = t.ownerDocument.getElementById(a)) && y(t, o) &&
o.id === a) return n.push(o), n } else { if (i[2]) return H.apply(n,
q.call(t.getElementsByTagName(e), 0)), n; if ((a = i[3]) && T.getByClassName &&
t.getElementsByClassName) return H.apply(n, q.call(t.getElementsByClassName(a), 0)), n }
if (T.qsa && !h.test(e)) { if (f = !0, g = x, m = t, v = 9 === s && e, 1 === s && "object" !==
t.nodeName.toLowerCase()) { l = ft(e), (f = t.getAttribute("id")) ? g = f.replace(K, "\\$&") :
t.setAttribute("id", g), g = "[id=" + g + "]" , u = l.length; while (u--) l[u] = g + dt(l[u]); m =
V.test(e) && t.parentNode || t, v = l.join(",") } if (v) try { return H.apply(n,
q.call(m.querySelectorAll(v), 0)), n } catch (b) { } finally { f || t.removeAttribute("id") } } }
return wt(e.replace(W, "$1"), t, n, r) } a = st.isXML = function (e) { var t = e &&
(e.ownerDocument || e).documentElement; return t ? "HTML" !== t.nodeName : !1 }, c =
st.setDocument = function (e) { var n = e ? e.ownerDocument || e : w; return n !== p && 9
=== n.nodeType && n.documentElement ? (p = n, f = n.documentElement, d = a(n),
T.tagNameNoComments = at(function (e) { return e.appendChild(n.createComment("")),
!e.getElementsByTagName("*").length }), T.attributes = at(function (e) { e.innerHTML =
"<select></select>"; var t = typeof e.lastChild.getAttribute("multiple"); return "boolean" !==
t && "string" !== t }), T.getByClassName = at(function (e) { return e.innerHTML = "<div
class='hidden e'></div><div class='hidden'></div>", e.getElementsByClassName &&
e.getElementsByClassName("e").length ? (e.lastChild.className = "e", 2 ===
e.getElementsByClassName("e").length) : !1 }), T.getByName = at(function (e) { e.id = x +
0, e.innerHTML = "<a name=" + x + "></a><div name=" + x + "></div>", f.insertBefore(e,
f.firstChild); var t = n.getElementsByName && n.getElementsByName(x).length === 2 +
n.getElementsByName(x + 0).length; return T.getIdNotName = !n.getElementById(x),
f.removeChild(e, t )}, i.attrHandle = at(function (e) { return e.innerHTML = "<a
href='#'></a>", e.firstChild && typeof e.firstChild.getAttribute !== A && "#" ===
e.firstChild.getAttribute("href") }) ? { } : { href: function (e) { return e.getAttribute("href", 2)
}, type: function (e) { return e.getAttribute("type") } }, T.getIdNotName ? (i.find.ID =
function (e, t) { if (typeof t.getElementById !== A && !d) { var n = t.getElementById(e);
return n && n.parentNode ? [n] : [] } }, i.filter.ID = function (e) { var t = e.replace(et, tt);
return function (e) { return e.getAttribute("id") === t } }) : (i.find.ID = function (e, n) { if
(typeof n.getElementById !== A && !d) { var r = n.getElementById(e); return r ? r.id === e
|| typeof r.getAttributeNode !== A && r.getAttributeNode("id").value === e ? [r] : t : [] } },
i.filter.ID = function (e) { var t = e.replace(et, tt); return function (e) { var n = typeof

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e.getAttributeNode !== A && e.getAttributeNode("id"); return n && n.value === t } }},
i.find.TAG = T.tagNameNoComments ? function (e, n) { return typeof
n.getElementsByTagName !== A ? n.getElementsByTagName(e) : t } : function (e, t) { var
n, r = [], i = 0, o = t.getElementsByTagName(e); if ("*" === e) { while (n = o[i++]) 1 ===
n.nodeType && r.push(n); return r } return o }, i.find.NAME = T.getByTagName && function
(e, n) { return typeof n.getElementsByTagName !== A ? n.getElementsByTagName(name) : t },
i.find.CLASS = T.getByClassName && function (e, n) { return typeof
n.getElementsByClassName === A || d ? t : n.getElementsByClassName(e) }, g = [], h =
["focus"], (T.qsa = rt(n.querySelectorAll)) && (at(function (e) { e.innerHTML =
"<select><option selected=""></option></select>", e.querySelectorAll("[selected]").length ||
h.push("\[" + _ + "*(?:checked|disabled|ismap|multiple|readonly|selected|value)"),
e.querySelectorAll(":checked").length || h.push(":checked") })), at(function (e) {
e.innerHTML = "<input type='hidden' id='/'>", e.querySelectorAll("[id='']").length &&
h.push("[*^$]=" + _ + "*(?:\"|'|\")"), e.querySelectorAll(":enabled").length ||
h.push(":enabled", ":disabled"), e.querySelectorAll("*,:x"), h.push(",*:") })),
(T.matchesSelector = rt(m = f.matchesSelector || f.mozMatchesSelector ||
f.webkitMatchesSelector || f.oMatchesSelector || f.msMatchesSelector)) && at(function (e) {
T.disconnectedMatch = m.call(e, "div"), m.call(e, "[s!=]:x"), g.push("!", R) })), h =
RegExp(h.join("|")), g = RegExp(g.join("|")), y = rt(f.contains) || f.compareDocumentPosition
? function (e, t) { var n = 9 === e.nodeType ? e.documentElement : e, r = t && t.parentNode;
return e === r || !(r || 1 !== r.nodeType || !(n.contains ? n.contains(r) :
e.compareDocumentPosition && 16 & e.compareDocumentPosition(r))) } : function (e, t) {
if (t) while (t = t.parentNode) if (t === e) return !0; return !1 }, v =
f.compareDocumentPosition ? function (e, t) { var r; return e === t ? (u = !0, 0) : (r =
t.compareDocumentPosition && e.compareDocumentPosition &&
e.compareDocumentPosition(t)) ? 1 & r || e.parentNode && 11 === e.parentNode.nodeType
? e === n || y(w, e) ? -1 : t === n || y(w, t) ? 1 : 0 : 4 & r ? -1 : 1 :
e.compareDocumentPosition ? -1 : 1 } : function (e, t) { var r, i = 0, o = e.parentNode, a =
t.parentNode, s = [e], l = [t]; if (e === t) return u = !0, 0; if (!o || !a) return e === n ? -1 : t
=== n ? 1 : o ? -1 : a ? 1 : 0; if (o === a) return ut(e, t); r = e; while (r = r.parentNode)
s.unshift(r); r = t; while (r = r.parentNode) l.unshift(r); while (s[i] === l[i]) i++; return i ?
ut(s[i], l[i]) : s[i] === w ? -1 : l[i] === w ? 1 : 0 }, u = !1, [0, 0].sort(v), T.detectDuplicates =
u, p) : p }, st.matches = function (e, t) { return st(e, null, null, t) }, st.matchesSelector =
function (e, t) { if ((e.ownerDocument || e) !== p && c(e), t = t.replace(Z, "=$1"),
(!T.matchesSelector || d || g && g.test(t) || h.test(t))) try { var n = m.call(e, t); if (n ||
T.disconnectedMatch || e.document && 11 !== e.document.nodeType) return n } catch (r) { }
return st(t, p, null, [e]).length > 0 }, st.contains = function (e, t) { return (e.ownerDocument ||
e) !== p && c(e), y(e, t) }, st.attr = function (e, t) { var n; return (e.ownerDocument || e) !==
p && c(e), d || (t = t.toLowerCase()), (n = i.attrHandle[t]) ? n(e) : d || T.attributes ?
e.getAttribute(t) : ((n = e.getAttributeNode(t)) || e.getAttribute(t)) && e[t] === !0 ? t : n &&
n.specified ? n.value : null }, st.error = function (e) { throw Error("Syntax error,
unrecognized expression: " + e) }, st.uniqueSort = function (e) { var t, n = [], r = 1, i = 0; if (u
= !T.detectDuplicates, e.sort(v), u) { for (; t = e[r]; r++) t === e[r - 1] && (i = n.push(r));
while (i--) e.splice(n[i], 1) } return e }; function ut(e, t) { var n = t && e, r = n &&
(~t.sourceIndex || j) - (~e.sourceIndex || j); if (r) return r; if (n) while (n = n.nextSibling) if (n
=== t) return -1; return e ? 1 : -1 } function lt(e) { return function (t) { var n =
t.nodeName.toLowerCase(); return "input" === n && t.type === e } } function ct(e) { return
function (t) { var n = t.nodeName.toLowerCase(); return ("input" === n || "button" === n)
&& t.type === e } } function pt(e) { return ot(function (t) { return t = +t, ot(function (n, r) {
var i, o = e([], n.length, t), a = o.length; while (a--) n[i = o[a]] && (n[i] = !r[i] = n[i])) } }) }

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o = st.getText = function (e) { var t, n = "", r = 0, i = e.nodeType; if (i) { if (1 === i || 9 === i || 11 === i) { if ("string" === typeof e.textContent) return e.textContent; for (e = e.firstChild; e; e = e.nextSibling) n += o(e) } else if (3 === i || 4 === i) return e.nodeValue } else for (; t = e[r]; r++) n += o(t); return n }, i = st.selectors = { cacheLength: 50, createPseudo: ot, match: U, find: {}, relative: { ">": { dir: "parentNode", first: !0 }, " ": { dir: "parentNode" }, "+": { dir: "previousSibling", first: !0 }, "~": { dir: "previousSibling" } }, preFilter: { ATTR: function (e) { return e[1] = e[1].replace(et, tt), e[3] = (e[4] || e[5] || "").replace(et, tt), "~=" === e[2] && (e[3] = " " + e[3] + " "), e.slice(0, 4) }, CHILD: function (e) { return e[1] = e[1].toLowerCase(), "nth" === e[1].slice(0, 3) ? (e[3] || st.error(e[0]), e[4] = +(e[4] ? e[5] + (e[6] || 1) : 2 * ("even" === e[3] || "odd" === e[3])), e[5] = +(e[7] + e[8] || "odd" === e[3])) : e[3] && st.error(e[0]), e }, PSEUDO: function (e) { var t, n = !e[5] && e[2]; return U.CHILD.test(e[0]) ? null : (e[4] ? e[2] = e[4] : n && z.test(n) && (t = ft(n, !0)) && (t = n.indexOf(""), n.length - t - n.length) && (e[0] = e[0].slice(0, t), e[2] = n.slice(0, t)), e.slice(0, 3)) }, filter: { TAG: function (e) { return "*" === e ? function () { return !0 } : (e = e.replace(et, tt).toLowerCase(), function (t) { return t.nodeName && t.nodeName.toLowerCase() === e }) }, CLASS: function (e) { var t = k[e + " "]; return t || (t = RegExp("(^|" + _ + ") " + e + "(" + _ + "|$)")) && k(e, function (e) { return t.test(e.className || typeof e.getAttribute !== A && e.getAttribute("class") || "") }) }, ATTR: function (e, t, n) { return function (r) { var i = st.attr(r, e); return null == i ? "!=" === t : t ? (i += "", "=" === t ? i === n : "!=" === t ? i !== n : "^=" === t ? n && 0 === i.indexOf(n) : "*=" === t ? n && i.indexOf(n) > -1 : "$=" === t ? n && i.slice(-n.length) === n : "~=" === t ? (" " + i + " ").indexOf(n) > -1 : "|=" === t ? i === n || i.slice(0, n.length + 1) === n + "-") : !1) : !0 } }, CHILD: function (e, t, n, r, i) { var o = "nth" !== e.slice(0, 3), a = "last" !== e.slice(-4), s = "of-type" === t; return 1 === r && 0 === i ? function (e) { return !e.parentNode } : function (t, n, u) { var l, c, p, f, d, h, g = o !== a ? "nextSibling" : "previousSibling", m = t.parentNode, y = s && t.nodeName.toLowerCase(), v = !u && !s; if (m) { if (o) { while (g) { p = t; while (p = p[g]) if (s ? p.nodeName.toLowerCase() === y : 1 === p.nodeType) return !1; h = g = "only" === e && !h && "nextSibling" } return !0 } if (h = [a ? m.firstChild : m.lastChild], a && v) { c = m[x] || (m[x] = {}), l = c[e] || [], d = l[0] === N && l[1], f = l[0] === N && l[2], p = d && m.childNodes[d]; while (p = ++d && p && p[g] || (f = d = 0) || h.pop()) if (1 === p.nodeType && ++f && p === t) { c[e] = [N, d, f]; break } } else if (v && (l = (t[x] || (t[x] = {}))[e]) && l[0] === N) f = l[1]; else while (p = ++d && p && p[g] || (f = d = 0) || h.pop()) if ((s ? p.nodeName.toLowerCase() === y : 1 === p.nodeType) && ++f && (v && ((p[x] || (p[x] = {}))[e] = [N, f]), p === t)) break; return f - i, f === r || 0 === f % r && f / r >= 0 } }, PSEUDO: function (e, t) { var n, r = i.pseudos[e] || i.setFilters[e.toLowerCase()] || st.error("unsupported pseudo: " + e); return r[x] ? r(t) : r.length > 1 ? (n = [e, e, "", t], i.setFilters.hasOwnProperty(e.toLowerCase()) ? ot(function (e, n) { var i, o = r(e, t), a = o.length; while (a--) i = M.call(e, o[a]), e[i] = !(n[i] = o[a]) }) : function (e) { return r(e, 0, n) }) : r }, pseudos: { not: ot(function (e) { var t = [], n = [], r = s(e.replace(W, "$1")); return r[x] ? ot(function (e, t, n, i) { var o, a = r(e, null, i, []), s = e.length; while (s--) (o = a[s]) && (e[s] = !(t[s] = o)) }) : function (e, i, o) { return t[0] = e, r(t, null, o, n), !n.pop() }) }, has: ot(function (e) { return function (t) { return st(e, t).length > 0 } }), contains: ot(function (e) { return function (t) { return (t.textContent || t.innerText || o(t)).indexOf(e) > -1 } }), lang: ot(function (e) { return X.test(e || "") || st.error("unsupported lang: " + e), e = e.replace(et, tt).toLowerCase(), function (t) { var n; do if (n = d ? t.getAttribute("xml:lang") || t.getAttribute("lang") : t.lang) return n = n.toLowerCase(), n === e || 0 === n.indexOf(e + "-"); while ((t = t.parentNode) && 1 === t.nodeType); return !1 } }) }, target: function (t) { var n = e.location && e.location.hash; return n && n.slice(1) === t.id }, root: function (e) { return e === f }, focus: function (e) { return e === p.activeElement && (!p.hasFocus || p.hasFocus()) && !(e.type || e.href || ~e.tabIndex) }, enabled: function (e) {

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return e.disabled === !1 }, disabled: function (e) { return e.disabled === !0 }, checked:
function (e) { var t = e.nodeName.toLowerCase(); return "input" === t && !e.checked ||
"option" === t && !e.selected }, selected: function (e) { return e.parentNode &&
e.parentNode.selectedIndex, e.selected === !0 }, empty: function (e) { for (e = e.firstChild; e;
e = e.nextSibling) if (e.nodeName > "@" || 3 === e.nodeType || 4 === e.nodeType) return !1;
return !0 }, parent: function (e) { return !i.pseudos.empty(e) }, header: function (e) { return
Q.test(e.nodeName) }, input: function (e) { return G.test(e.nodeName) }, button: function (e)
{ var t = e.nodeName.toLowerCase(); return "input" === t && "button" === e.type ||
"button" === t }, text: function (e) { var t; return "input" === e.nodeName.toLowerCase()
&& "text" === e.type && (null == (t = e.getAttribute("type")) || t.toLowerCase() === e.type)
}, first: pt(function () { return [0] }), last: pt(function (e, t) { return [t - 1] }), eq: pt(function
(e, t, n) { return [0 > n ? n + t : n] }), even: pt(function (e, t) { var n = 0; for (; t > n; n += 2)
e.push(n); return e }), odd: pt(function (e, t) { var n = 1; for (; t > n; n += 2) e.push(n); return
e }), lt: pt(function (e, t, n) { var r = 0 > n ? n + t : n; for (; --r >= 0; ) e.push(r); return e }), gt:
pt(function (e, t, n) { var r = 0 > n ? n + t : n; for (; t > ++r; ) e.push(r); return e }) }; for (n in
{ radio: !0, checkbox: !0, file: !0, password: !0, image: !0 }) i.pseudos[n] = lt(n); for (n in {
submit: !0, reset: !0 }) i.pseudos[n] = ct(n); function ft(e, t) { var n, r, o, a, s, u, l, c = E[e + "
"]; if (c) return t ? 0 : c.slice(0); s = e, u = [], l = i.preFilter; while (s) { (!n || (r = $.exec(s)))
&& (r && (s = s.slice(r[0].length) || s), u.push(o = [])), n = !1, (r = l.exec(s)) && (n =
r.shift(), o.push({ value: n, type: r[0].replace(W, " ") }), s = s.slice(n.length)); for (a in i.filter)
!(r = U[a].exec(s)) || l[a] && !(r = l[a](r)) || (n = r.shift(), o.push({ value: n, type: a, matches: r
}), s = s.slice(n.length)); if (!n) break } return t ? s.length : s ? st.error(e) : E(e, u).slice(0) }
function dt(e) { var t = 0, n = e.length, r = ""; for (; n > t; t++) r += e[t].value; return r }
function ht(e, t, n) { var i = t.dir, o = n && "parentNode" === i, a = C++; return t.first ?
function (t, n, r) { while (t = t[i]) if (1 === t.nodeType || o) return e(t, n, r) } : function (t, n, s)
{ var u, l, c, p = N + " " + a; if (s) { while (t = t[i]) if ((1 === t.nodeType || o) && e(t, n, s))
return !0 } else while (t = t[i]) if (1 === t.nodeType || o) if (c = t[x] || (t[x] = {}), (l = c[i]) &&
l[0] === p) { if ((u = l[1]) === !0 || u === r) return u === !0 } else if (l = c[i] = [p], l[1] = e(t,
n, s) || r, l[1] === !0) return !0 } } function gt(e) { return e.length > 1 ? function (t, n, r) { var
i = e.length; while (i--) if (!e[i](t, n, r)) return !1; return !0 } : e[0] } function mt(e, t, n, r, i) {
var o, a = [], s = 0, u = e.length, l = null != t; for (; u > s; s++) (o = e[s]) && (!n || n(o, r, i))
&& (a.push(o), l && t.push(s)); return a } function yt(e, t, n, r, i, o) { return r && !r[x] && (r =
yt(r)), i && !i[x] && (i = yt(i, o)), ot(function (o, a, s, u) { var l, c, p, f = [], d = [], h =
a.length, g = o || xt(t || "*", s.nodeType ? [s] : s, [], m = !e || !o && t ? g : mt(g, f, e, s, u), y =
n ? i || (o ? e : h || r) ? [] : a : m; if (n && n(m, y, s, u), r) { l = mt(y, d), r(l, [], s, u), c =
l.length; while (c--) (p = l[c]) && (y[d[c]] = !(m[d[c]] = p)) } if (o) { if (i || e) { if (i) { l = [],
c = y.length; while (c--) (p = y[c]) && l.push(m[c] = p); i(null, y = [], l, u) } c = y.length;
while (c--) (p = y[c]) && (l = i ? M.call(o, p) : f[c]) > -1 && (o[l] = !(a[l] = p)) } } else y =
mt(y === a ? y.splice(h, y.length) : y), i ? i(null, a, y, u) : H.apply(a, y) } } function vt(e) {
var t, n, r, o = e.length, a = i.relative[e[0].type], s = a || i.relative[" "], u = a ? 1 : 0, c =
ht(function (e) { return e === t }, s, !0), p = ht(function (e) { return M.call(t, e) > -1 }, s, !0), f
= [function (e, n, r) { return !a && (r || n !== 1) || ((t = n).nodeType ? c(e, n, r) : p(e, n, r)) } ];
for (; o > u; u++) if (n = i.relative[e[u].type]) f = [ht(gt(f), n)]; else { if (n =
i.filter[e[u].type].apply(null, e[u].matches), n[x]) { for (r = ++u; o > r; r++) if
(i.relative[e[r].type]) break; return yt(u > 1 && gt(f), u > 1 && dt(e.slice(0, u -
1)).replace(W, "$1"), n, r > u && vt(e.slice(u, r)), o > r && vt(e = e.slice(r)), o > r && dt(e))
} f.push(n) } return gt(f) } function bt(e, t) { var n = 0, o = t.length > 0, a = e.length > 0, s =
function (s, u, c, f, d) { var h, g, m, y = [], v = 0, b = "0", x = s && [], w = null != d, T = 1, C
= s || a && i.find.TAG("?", d && u.parentNode || u), k = N += null == T ? 1 : Math.random()
|| .1; for (w && (l = u !== p && u, r = n); null != (h = C[b]); b++) { if (a && h) { g = 0;

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while (m = e[g++]) if (m(h, u, c)) { f.push(h); break } w && (N = k, r = ++n) } o && ((h =
!m && h) && v--, s && x.push(h)) } if (v += b, o && b !== v) { g = 0; while (m = t[g++])
m(x, y, u, c); if (s) { if (v > 0) while (b--) x[b] || y[b] || (y[b] = L.call(f)); y = mt(y) }
H.apply(f, y), w && !s && y.length > 0 && v + t.length > 1 && st.uniqueSort(f) } return w
&& (N = k, l = T), x }; return o ? ot(s) : s } s = st.compile = function (e, t) { var n, r = [], i =
[], o = S[e + ""]; if (!o) { t || (t = ft(e)), n = t.length; while (n--) o = vt(t[n]), o[x] ? r.push(o) :
i.push(o); o = S(e, bt(i, r)) } return o }; function xt(e, t, n) { var r = 0, i = t.length; for (; i > r;
r++) st(e, t[r], n); return n } function wt(e, t, n, r) { var o, a, u, l, c, p = ft(e); if (!r && 1 ===
p.length) { if (a = p[0] = p[0].slice(0), a.length > 2 && "ID" === (u = a[0]).type && 9 ===
t.nodeType && !d && i.relative[a[1].type]) { if (t = i.find.ID(u.matches[0].replace(et, tt),
t[0], !t) return n; e = e.slice(a.shift().value.length) } o = U.needsContext.test(e) ? 0 : a.length;
while (o--) { if (u = a[o], i.relative[l = u.type]) break; if ((c = i.find[l]) && (r =
c(u.matches[0].replace(et, tt), V.test(a[0].type) && t.parentNode || t))) { if (a.splice(o, 1), e =
r.length && dt(a, !e) return H.apply(n, q.call(r, 0)), n; break } } } return s(e, p)(r, t, d, n,
V.test(e)), n } i.pseudos.nth = i.pseudos.eq; function Tt() { } i.filters = Tt.prototype =
i.pseudos, i.setFilters = new Tt, c(), st.attr = b.attr, b.find = st, b.expr = st.selectors,
b.expr["."] = b.expr.pseudos, b.unique = st.uniqueSort, b.text = st.getText, b.isXMLDoc =
st.isXML, b.contains = st.contains } (e); var at = /Until$/, st = /^(?:parents|prev(?:Until|All))/,
ut = /^.[^:#\[\.,]*$/ , lt = b.expr.match.needsContext, ct = { children: !0, contents: !0, next: !0,
prev: !0 }; b.fn.extend({ find: function (e) { var t, n, r, i = this.length; if ("string" !== typeof e)
return r = this, this.pushStack(b(e).filter(function () { for (t = 0; i > t; t++) if (b.contains(r[t],
this)) return !0 })); for (n = [], t = 0; i > t; t++) b.find(e, this[t], n); return n = this.pushStack(i
> 1 ? b.unique(n) : n), n.selector = (this.selector ? this.selector + " " : "") + e, n }, has:
function (e) { var t, n = b(e, this), r = n.length; return this.filter(function () { for (t = 0; r > t;
t++) if (b.contains(this, n[t])) return !0 } ), not: function (e) { return this.pushStack(ft(this, e,
!1)) }, filter: function (e) { return this.pushStack(ft(this, e, !0)) }, is: function (e) { return !e
&& ("string" === typeof e ? lt.test(e) ? b(e, this.context).index(this[0]) >= 0 : b.filter(e,
this).length > 0 : this.filter(e).length > 0) }, closest: function (e, t) { var n, r = 0, i =
this.length, o = [], a = lt.test(e) || "string" !== typeof e ? b(e, t || this.context) : 0; for (; i > r;
r++) { n = this[r]; while (n && n.ownerDocument && n !== t && 11 !== n.nodeType) { if (a
? a.index(n) > -1 : b.find.matchesSelector(n, e)) { o.push(n); break } n = n.parentNode } }
return this.pushStack(o.length > 1 ? b.unique(o) : o) }, index: function (e) { return e ? "string"
=== typeof e ? b.inArray(this[0], b(e)) : b.inArray(e.jquery ? e[0] : e, this) : this[0] &&
this[0].parentNode ? this.first().prevAll().length : -1 }, add: function (e, t) { var n = "string"
=== typeof e ? b(e, t) : b.makeArray(e && e.nodeType ? [e] : e), r = b.merge(this.get(), n);
return this.pushStack(b.unique(r)) }, addBack: function (e) { return this.add(null === e ?
this.prevObject : this.prevObject.filter(e)) } }, b.fn.andSelf = b.fn.addBack; function pt(e, t)
{ do e = e[t]; while (e && 1 !== e.nodeType); return e } b.each({ parent: function (e) { var t
= e.parentNode; return t && 11 !== t.nodeType ? t : null }, parents: function (e) { return
b.dir(e, "parentNode") }, parentsUntil: function (e, t, n) { return b.dir(e, "parentNode", n) },
next: function (e) { return pt(e, "nextSibling") }, prev: function (e) { return pt(e,
"previousSibling") }, nextAll: function (e) { return b.dir(e, "nextSibling") }, prevAll: function
(e) { return b.dir(e, "previousSibling") }, nextUntil: function (e, t, n) { return b.dir(e,
"nextSibling", n) }, prevUntil: function (e, t, n) { return b.dir(e, "previousSibling", n) },
siblings: function (e) { return b.sibling((e.parentNode || {}).firstChild, e) }, children: function
(e) { return b.sibling(e.firstChild) }, contents: function (e) { return b.nodeName(e, "iframe") ?
e.contentDocument || e.contentWindow.document : b.merge([], e.childNodes) } }, function
(e, t) { b.fn[e] = function (n, r) { var i = b.map(this, t, n); return at.test(e) || (r = n), r &&
"string" === typeof r && (i = b.filter(r, i)), i = this.length > 1 && !ct[e] ? b.unique(i) : i,
this.length > 1 && st.test(e) && (i = i.reverse()), this.pushStack(i) } }, b.extend({ filter:

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function (e, t, n) { return n && (e = ":not(" + e + ")"), 1 === t.length ?
b.find.matchesSelector(t[0], e) ? [t[0]] : [] : b.find.matches(e, t) }, dir: function (e, n, r) { var i
= [], o = e[n]; while (o && 9 !== o.nodeType && (r === t || 1 !== o.nodeType || !b(o).is(r)))
1 === o.nodeType && i.push(o), o = o[n]; return i }, sibling: function (e, t) { var n = []; for (;
e; e = e.nextSibling) 1 === e.nodeType && e !== t && n.push(e); return n } }); function ft(e,
t, n) { if (t = t || 0, b.isFunction(t)) return b.grep(e, function (e, r) { var i = !t.call(e, r, e);
return i === n }); if (t.nodeType) return b.grep(e, function (e) { return e === t === n }); if
("string" === typeof t) { var r = b.grep(e, function (e) { return 1 === e.nodeType }); if
(ut.test(t)) return b.filter(t, r, !n); t = b.filter(t, r) } return b.grep(e, function (e) { return
b.inArray(e, t) >= 0 === n }) } function dt(e) { var t = ht.split("|"), n =
e.createDocumentFragment(); if (n.createElement) while (t.length) n.createElement(t.pop());
return n } var ht =
"abbr|article|aside|audio|bdi|canvas|data|datalist|details|figcaption|figure|footer|header|hgroup|
mark|meter|nav|output|progress|section|summary|time|video", gt = /
jQuery\d+="(?:null|\d+)"/g, mt = RegExp("<(?:" + ht + ")[\\s/>]", "i"), yt = /^\\s+/, vt =
/<(?!area|br|col|embed|hr|img|input|link|meta|param)(([\\w:]+)[^>]*)\\/>/gi, bt = /<([\\w:]+)/, xt
= /<tbody/i, wt = /<|&#?(\\w+);/, Tt = /<(?:script|style|link)/i, Nt = /^(?:checkbox|radio)$/i, Ct =
/checked\\s*(?:[\\^=]|\\s*=s*.checked.)/i, kt = /^$|\\(?:java|ecma)script/i, Et = /^true\\/(.*)/, St =
/^\\s*!\\(?:\\[CDATA\\[\\-\\-\\]\\(?:\\[\\-\\-\\]>\\s*$)/g, At = { option: [1, "<select multiple='multiple'>",
"</select>"], legend: [1, "<fieldset>", "</fieldset>"], area: [1, "<map>", "</map>"], param:
[1, "<object>", "</object>"], thead: [1, "<table>", "</table>"], tr: [2, "<table><tbody>",
"</tbody></table>"], col: [2, "<table><tbody></tbody><colgroup>",
"</colgroup></table>"], td: [3, "<table><tbody><tr>", "</tr></tbody></table>"], _default:
b.support.htmlSerialize ? [0, "", ""] : [1, "X<div>", "</div>"] }, jt = dt(o), Dt =
jt.appendChild(o.createElement("div")); At.optgroup = At.option, At.tbody = At.tfoot =
At.colgroup = At.caption = At.thead, At.th = At.td, b.fn.extend({ text: function (e) { return
b.access(this, function (e) { return e === t ? b.text(this) : this.empty().append((this[0] &&
this[0].ownerDocument || o).createTextNode(e)) }, null, e, arguments.length) }, wrapAll:
function (e) { if (b.isFunction(e)) return this.each(function (t) { b(this).wrapAll(e.call(this, t))
}); if (this[0]) { var t = b(e, this[0].ownerDocument).eq(0).clone(!0); this[0].parentNode &&
t.insertBefore(this[0]), t.map(function () { var e = this; while (e.firstChild && 1 ===
e.firstChild.nodeType) e = e.firstChild; return e }).append(this) } return this }, wrapInner:
function (e) { return b.isFunction(e) ? this.each(function (t) { b(this).wrapInner(e.call(this, t))
}) : this.each(function () { var t = b(this), n = t.contents(); n.length ? n.wrapAll(e) :
t.append(e) } }, wrap: function (e) { var t = b.isFunction(e); return this.each(function (n) {
b(this).wrapAll(t ? e.call(this, n) : e) } }, unwrap: function () { return
this.parent().each(function () { b.nodeName(this, "body") ||
b(this).replaceWith(this.childNodes) }).end() }, append: function () { return
this.domManip(arguments, !0, function (e) { (1 === this.nodeType || 11 === this.nodeType ||
9 === this.nodeType) && this.appendChild(e) } }, prepend: function () { return
this.domManip(arguments, !0, function (e) { (1 === this.nodeType || 11 === this.nodeType ||
9 === this.nodeType) && this.insertBefore(e, this.firstChild) } }, before: function () { return
this.domManip(arguments, !1, function (e) { this.parentNode &&
this.parentNode.insertBefore(e, this) } }, after: function () { return
this.domManip(arguments, !1, function (e) { this.parentNode &&
this.parentNode.insertBefore(e, this.nextSibling) } }, remove: function (e, t) { var n, r = 0;
for (; null != (n = this[r]); r++) (!e || b.filter(e, [n]).length > 0) && (t || 1 !== n.nodeType ||
b.cleanData(Ot(n)), n.parentNode && (t && b.contains(n.ownerDocument, n) && Mt(Ot(n,
"script")), n.parentNode.removeChild(n))); return this }, empty: function () { var e, t = 0; for
(; null != (e = this[t]); t++) { 1 === e.nodeType && b.cleanData(Ot(e, !1)); while

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(e.firstChild) e.removeChild(e.firstChild); e.options && b.nodeName(e, "select") &&
(e.options.length = 0) } return this }, clone: function (e, t) { return e = null == e ? !1 : e, t =
null == t ? e : t, this.map(function () { return b.clone(this, e, t) }) }, html: function (e) { return
b.access(this, function (e) { var n = this[0] || {}, r = 0, i = this.length; if (e === t) return 1 ===
n.nodeType ? n.innerHTML.replace(gt, "") : t; if (!("string" != typeof e || Tt.test(e) ||
!b.support.htmlSerialize && mt.test(e) || !b.support.leadingWhitespace && yt.test(e) ||
At[(bt.exec(e) || [ "", "" ])[1].toLowerCase()])) { e = e.replace(vt, "<$1></$2>"); try { for (; i >
r; r++) n = this[r] || {}, 1 === n.nodeType && (b.cleanData(Ot(n, !1)), n.innerHTML = e); n
= 0 } catch (o) { } } n && this.empty().append(e) }, null, e, arguments.length) },
replaceWith: function (e) { var t = b.isFunction(e); return t || "string" == typeof e || (e =
b(e).not(this).detach()), this.domManip([e], !0, function (e) { var t = this.nextSibling, n =
this.parentNode; n && (b(this).remove(), n.insertBefore(e, t)) }) }, detach: function (e) {
return this.remove(e, !0) }, domManip: function (e, n, r) { e = f.apply([], e); var i, o, a, s, u, l,
c = 0, p = this.length, d = this, h = p - 1, g = e[0], m = b.isFunction(g); if (m || !(1 >= p ||
"string" != typeof g || b.support.checkClone) && Ct.test(g)) return this.each(function (i) { var
o = d.eq(i); m && (e[0] = g.call(this, i, n ? o.html() : t)), o.domManip(e, n, r); if (p && (l =
b.buildFragment(e, this[0].ownerDocument, !1, this), i = l.firstChild, 1 ===
l.childNodes.length && (l = i), i)) { for (n = n && b.nodeName(i, "tr"), s = b.map(Ot(l,
"script"), Ht), a = s.length; p > c; c++) o = l, c != h && (o = b.clone(o, !0, !0), a &&
b.merge(s, Ot(o, "script"))), r.call(n && b.nodeName(this[c], "table") ? Lt(this[c], "tbody") :
this[c], o, c); if (a) for (u = s[s.length - 1].ownerDocument, b.map(s, qt), c = 0; a > c; c++) o
= s[c], kt.test(o.type || "") && !b._data(o, "globalEval") && b.contains(u, o) && (o.src ?
b.ajax({ url: o.src, type: "GET", dataType: "script", async: !1, global: !1, "throws": !0 }) :
b.globalEval((o.text || o.textContent || o.innerHTML || "").replace(St, ""))); l = i = null }
return this } }); function Lt(e, t) { return e.getElementsByTagName(t)[0] ||
e.appendChild(e.ownerDocument.createElement(t)) } function Ht(e) { var t =
e.getAttributeNode("type"); return e.type = (t && t.specified) + "/" + e.type, e } function
qt(e) { var t = Et.exec(e.type); return t ? e.type = t[1] : e.removeAttribute("type"), e }
function Mt(e, t) { var n, r = 0; for (; null != (n = e[r]); r++) b._data(n, "globalEval", !t ||
b._data(t[r], "globalEval")) } function _t(e, t) { if (1 === t.nodeType && b.hasData(e)) { var
n, r, i, o = b._data(e), a = b._data(t, o), s = o.events; if (s) { delete a.handle, a.events = {}; for
(n in s) for (r = 0, i = s[n].length; i > r; r++) b.event.add(t, n, s[n][r]) } a.data && (a.data =
b.extend({}, a.data)) } } function Ft(e, t) { var n, r, i; if (1 === t.nodeType) { if (n =
t.nodeName.toLowerCase(), !b.support.noCloneEvent && t[b.expando]) { i = b._data(t); for
(r in i.events) b.removeEvent(t, r, i.handle); t.removeAttribute(b.expando) } "script" === n
&& t.text !== e.text ? (Ht(t).text = e.text, qt(t)) : "object" === n ? (t.parentNode &&
(t.outerHTML = e.outerHTML), b.support.html5Clone && e.innerHTML &&
!b.trim(t.innerHTML) && (t.innerHTML = e.innerHTML)) : "input" === n &&
Nt.test(e.type) ? (t.defaultChecked = t.checked = e.checked, t.value !== e.value && (t.value
= e.value)) : "option" === n ? t.defaultSelected = t.selected = e.defaultSelected : ("input" ===
n || "textarea" === n) && (t.defaultValue = e.defaultValue) } } b.each({ appendTo: "append",
prependTo: "prepend", insertBefore: "before", insertAfter: "after", replaceAll: "replaceWith"
}, function (e, t) { b.fn[e] = function (e) { var n, r = 0, i = [], o = b(e), a = o.length - 1; for (; a
>= r; r++) n = r === a ? this : this.clone(!0), b(o[r])[t](n), d.apply(i, n.get()); return
this.pushStack(i) } }); function Ot(e, n) { var r, o, a = 0, s = typeof
e.getElementsByTagName !== i ? e.getElementsByTagName(n || "*") : typeof
e.querySelector !== i ? e.querySelector(n || "*") : t; if (!s) for (s = [], r = e.childNodes ||
e; null != (o = r[a]); a++) !n || b.nodeName(o, n) ? s.push(o) : b.merge(s, Ot(o, n)); return n
=== t || n && b.nodeName(e, n) ? b.merge([e], s) : s } function Bt(e) { Nt.test(e.type) &&
(e.defaultChecked = e.checked) } b.extend({ clone: function (e, t, n) { var r, i, o, a, s, u =

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b.contains(e.ownerDocument, e); if (b.support.html5Clone || b.isXMLDoc(e) || !mt.test("<" +
e.nodeName + ">") ? o = e.cloneNode(!0) : (Dt.innerHTML = e.outerHTML,
Dt.removeChild(o = Dt.firstChild)), !(b.support.noCloneEvent &&
b.support.noCloneChecked || 1 !== e.nodeType && 11 !== e.nodeType || b.isXMLDoc(e)))
for (r = Ot(o), s = Ot(e), a = 0; null != (i = s[a]); ++a) r[a] && Ft(i, r[a]); if (t) if (n) for (s = s
|| Ot(e), r = r || Ot(o), a = 0; null != (i = s[a]); a++) _t(i, r[a]); else _t(e, o); return r = Ot(o,
"script"), r.length > 0 && Mt(r, !u && Ot(e, "script")), r = s = i = null, o }, buildFragment:
function (e, t, n, r) {

    var i, o, a, s, u, l, c, p = e.length, f = dt(t), d = [], h = 0; for (; p > h; h++) if (o = e[h], o ||
0 === o) if ("object" === b.type(o)) b.merge(d, o.nodeType ? [o] : o); else if (wt.test(o)) {

        s = s || f.appendChild(t.createElement("div")), u = (bt.exec(o) || ["",
""])[1].toLowerCase(), c = At[u] || At._default, s.innerHTML = c[1] + o.replace(vt,
"<$1></$2>") + c[2], i = c[0]; while (i--) s = s.lastChild; if (!b.support.leadingWhitespace
&& yt.test(o) && d.push(t.createTextNode(yt.exec(o)[0])), !b.support.tbody) {

            o = "table" !== u || xt.test(o) ? "<table>" !== c[1] || xt.test(o) ? 0 : s : s.firstChild, i =
o && o.childNodes.length; while (i--) b.nodeName(l = o.childNodes[i], "tbody") &&
!l.childNodes.length && o.removeChild(l)

            } b.merge(d, s.childNodes), s.textContent = ""; while (s.firstChild)
s.removeChild(s.firstChild); s = f.lastChild

        } else d.push(t.createTextNode(o)); s && f.removeChild(s), b.support.appendChecked ||
b.grep(Ot(d, "input"), Bt), h = 0; while (o = d[h++]) if ((!r || -1 === b.inArray(o, r)) && (a =
b.contains(o.ownerDocument, o), s = Ot(f.appendChild(o), "script"), a && Mt(s, n))) { i = 0;
while (o = s[i++]) kt.test(o.type || "") && n.push(o) } return s = null, f

    }, cleanData: function (e, t) { var n, r, o, a, s = 0, u = b.expando, l = b.cache, p =
b.support.deleteExpando, f = b.event.special; for (; null != (n = e[s]); s++) if ((t ||
b.acceptData(n)) && (o = n[u], a = o && l[o])) { if (a.events) for (r in a.events) f[r] ?
b.event.remove(n, r) : b.removeEvent(n, r, a.handle); l[o] && (delete l[o], p ? delete n[u] :
typeof n.removeAttribute !== i ? n.removeAttribute(u) : n[u] = null, c.push(o)) } }

    }); var Pt, Rt, Wt, $t = /alpha(?:[^\s]*)/i, It = /opacity\s*=\s*(?:[^\s]*)/, zt =
/^(top|right|bottom|left)$/, Xt = /^(none|table(?:?!-c[ea]).+)/, Ut = /margin/, Vt = RegExp("(^("
+ x + ")\\.*)" + "i"), Yt = RegExp("(^(" + x + ")") + "(?!px)[a-z%]+$", "i"), Jt = RegExp("(^([+])=("
+ x + ")") + "i"), Gt = { BODY: "block" }, Qt = { position: "absolute", visibility: "hidden",
display: "block" }, Kt = { letterSpacing: 0, fontWeight: 400 }, Zt = ["Top", "Right",
"Bottom", "Left"], en = ["Webkit", "O", "Moz", "ms"]; function tn(e, t) { if (t in e) return t;
var n = t.charAt(0).toUpperCase() + t.slice(1), r = t, i = en.length; while (i--) if (t = en[i] + n, t
in e) return t; return r } function nn(e, t) { return e = t || e, "none" === b.css(e, "display") ||
!b.contains(e.ownerDocument, e) } function rn(e, t) { var n, r, i, o = [], a = 0, s = e.length; for
(; s > a; a++) r = e[a], r.style && (o[a] = b._data(r, "olddisplay"), n = r.style.display, t ? (o[a]
|| "none" !== n || (r.style.display = "")), "" === r.style.display && nn(r) && (o[a] = b._data(r,
"olddisplay", un(r.nodeName)))) : o[a] || (i = nn(r), (n && "none" !== n || !i) && b._data(r,
"olddisplay", i ? n : b.css(r, "display"))); for (a = 0; s > a; a++) r = e[a], r.style && (t &&
"none" !== r.style.display && "" !== r.style.display || (r.style.display = t ? o[a] || "" :
"none")); return e } b.fn.extend({ css: function (e, n) { return b.access(this, function (e, n, r) {
var i, o, a = {}, s = 0; if (b.isArray(n)) { for (o = Rt(e), i = n.length; i > s; s++) a[n[s]] =
b.css(e, n[s], !1, o); return a } return r !== t ? b.style(e, n, r) : b.css(e, n) }, e, n,
arguments.length > 1) }, show: function () { return rn(this, !0) }, hide: function () { return

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rn(this) }, toggle: function (e) { var t = "boolean" == typeof e; return this.each(function () { (t
? e : nn(this)) ? b(this).show() : b(this).hide() ) } } ), b.extend({ cssHooks: { opacity: { get:
function (e, t) { if (t) { var n = Wt(e, "opacity"); return "" === n ? "1" : n } } }, cssNumber:
{ columnCount: !0, fillOpacity: !0, fontWeight: !0, lineHeight: !0, opacity: !0, orphans: !0,
widows: !0, zIndex: !0, zoom: !0 }, cssProps: { "float": b.support.cssFloat ? "cssFloat" :
"styleFloat" }, style: function (e, n, r, i) { if (e && 3 !== e.nodeType && 8 !== e.nodeType
&& e.style) { var o, a, s, u = b.camelCase(n), l = e.style; if (n = b.cssProps[u] ||
(b.cssProps[u] = tn(l, u)), s = b.cssHooks[n] || b.cssHooks[u], r === t) return s && "get" in s
&& (o = s.get(e, !1, i)) !== t ? o : l[n]; if (a = typeof r, "string" === a && (o = Jt.exec(r)) &&
(r = (o[1] + 1) * o[2] + parseFloat(b.css(e, n)), a = "number"), !(null == r || "number" === a
&& isNaN(r) || ("number" !== a || b.cssNumber[u] || (r += "px"), b.support.clearCloneStyle ||
"" !== r || 0 !== n.indexOf("background") || (l[n] = "inherit"), s && "set" in s && (r = s.set(e,
r, i)) === t))) try { l[n] = r } catch (c) { } } }, css: function (e, n, r, i) { var o, a, s, u =
b.camelCase(n); return n = b.cssProps[u] || (b.cssProps[u] = tn(e.style, u)), s = b.cssHooks[n]
|| b.cssHooks[u], s && "get" in s && (a = s.get(e, !0, r)), a === t && (a = Wt(e, n, i)),
"normal" === a && n in Kt && (a = Kt[n]), "" === r || r ? (o = parseFloat(a), r === !0 ||
b.isNumeric(o) ? o || 0 : a) : a }, swap: function (e, t, n, r) { var i, o, a = {}; for (o in t) a[o] =
e.style[o], e.style[o] = t[o]; i = n.apply(e, r || []); for (o in t) e.style[o] = a[o]; return i } },
e.getComputedStyle ? (Rt = function (t) { return e.getComputedStyle(t, null) }, Wt = function
(e, n, r) { var i, o, a, s = r || Rt(e), u = s ? s.getPropertyValue(n) || s[n] : t, l = e.style; return s
&& (" " !== u || b.contains(e.ownerDocument, e) || (u = b.style(e, n)), Yt.test(u) && Ut.test(n)
&& (i = l.width, o = l.minWidth, a = l.maxWidth, l.minWidth = l.maxWidth = l.width = u, u
= s.width, l.width = i, l.minWidth = o, l.maxWidth = a)), u ) :
o.documentElement.currentStyle && (Rt = function (e) { return e.currentStyle }, Wt =
function (e, n, r) { var i, o, a, s = r || Rt(e), u = s ? s[n] : t, l = e.style; return null == u && 1
&& l[n] && (u = l[n]), Yt.test(u) && !zt.test(n) && (i = l.left, o = e.runtimeStyle, a = o &&
o.left, a && (o.left = e.currentStyle.left), l.left = "fontSize" === n ? "1em" : u, u = l.pixelLeft
+ "px", l.left = i, a && (o.left = a)), "" === u ? "auto" : u ); function on(e, t, n) { var r =
Vt.exec(t); return r ? Math.max(0, r[1] - (n || 0)) + (r[2] || "px") : t } function an(e, t, n, r, i) {
var o = n === (r ? "border" : "content") ? 4 : "width" === t ? 1 : 0, a = 0; for (; 4 > o; o += 2)
"margin" === n && (a += b.css(e, n + Zt[o], !0, i)), r ? ("content" === n && (a -= b.css(e,
"padding" + Zt[o], !0, i)), "margin" !== n && (a -= b.css(e, "border" + Zt[o] + "Width", !0,
i))) : (a += b.css(e, "padding" + Zt[o], !0, i), "padding" !== n && (a += b.css(e, "border" +
Zt[o] + "Width", !0, i))); return a } function sn(e, t, n) { var r = !0, i = "width" === t ?
e.offsetWidth : e.offsetHeight, o = Rt(e), a = b.support.boxSizing && "border-box" ===
b.css(e, "boxSizing", !1, o); if (0 >= i || null == i) { if (i = Wt(e, t, o), (0 > i || null == i) && (i
= e.style[t]), Yt.test(i)) return i; r = a && (b.support.boxSizingReliable || i === e.style[t]), i =
parseFloat(i) || 0 } return i + an(e, t, n || (a ? "border" : "content"), r, o) + "px" } function un(e)
{ var t = o, n = Gt[e]; return n || (n = ln(e, t), "none" !== n && n || (Pt = (Pt || b("<iframe
frameborder='0' width='0' height='0'/>").css("cssText", "display:block
!important")).appendTo(t.documentElement), t = (Pt[0].contentWindow ||
Pt[0].contentDocument).document, t.write("<!doctype html><html><body>"), t.close(), n =
ln(e, t), Pt.detach()), Gt[e] = n), n } function ln(e, t) { var n =
b(t.createElement(e)).appendTo(t.body), r = b.css(n[0], "display"); return n.remove(), r }
b.each(["height", "width"], function (e, n) { b.cssHooks[n] = { get: function (e, r, i) { return r
? 0 === e.offsetWidth && Xt.test(b.css(e, "display")) ? b.swap(e, Qt, function () { return
sn(e, n, i) }) : sn(e, n, i) : t }, set: function (e, t, r) { var i = r && Rt(e); return on(e, t, r ? an(e,
n, r, b.support.boxSizing && "border-box" === b.css(e, "boxSizing", !1, i), i) : 0) } } },
b.support.opacity || (b.cssHooks.opacity = { get: function (e, t) { return It.test((t &&
e.currentStyle ? e.currentStyle.filter : e.style.filter) || "") ? .01 * parseFloat(RegExp.$1) + "" :

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Nigel Hopkins (30026387)

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&& b.ajax({ url: e, type: a, dataType: "html", data: n }).done(function (e) { o = arguments,
s.html(i ? b("<div>").append(b.parseHTML(e)).find(i) : e)).complete(r && function (e, t) {
s.each(r, o || [e.responseText, t, e]) }, this ), b.each(["ajaxStart", "ajaxStop", "ajaxComplete",
"ajaxError", "ajaxSuccess", "ajaxSend"], function (e, t) { b.fn[t] = function (e) { return
this.on(t, e) } }, b.each(["get", "post"], function (e, n) { b[n] = function (e, r, i, o) { return
b.isFunction(r) && (o = o || i, i = r, r = t), b.ajax({ url: e, type: n, dataType: o, data: r,
success: i }) } }, b.extend({ active: 0, lastModified: {}, etag: {}, ajaxSettings: { url: yn, type:
"GET", isLocal: Nn.test(mn[1]), global: !0, processData: !0, async: !0, contentType:
"application/x-www-form-urlencoded; charset=UTF-8", accepts: { "*": Dn, text: "text/plain",
html: "text/html", xml: "application/xml, text/xml", json: "application/json, text/javascript" },
contents: { xml: /xml/, html: /html/, json: /json/ }, responseFields: { xml: "responseXML",
text: "responseText" }, converters: { "* text": e.String, "text html": !0, "text json":
b.parseJSON, "text xml": b.parseXML }, flatOptions: { url: !0, context: !0 }, ajaxSetup:
function (e, t) { return t ? Mn(Mn(e, b.ajaxSettings), t) : Mn(b.ajaxSettings, e) },
ajaxPrefilter: Hn(An), ajaxTransport: Hn(jn), ajax: function (e, n) { "object" == typeof e &&
(n = e, e = t), n = n || {}; var r, i, o, a, s, u, l, c, p = b.ajaxSetup({}, n), f = p.context || p, d =
p.context && (f.nodeType || f.jquery) ? b(f) : b.event, h = b.Deferred(), g = b.Callbacks("once
memory"), m = p.statusCode || {}, y = {}, v = {}, x = 0, T = "canceled", N = { readyState: 0,
getResponseHeader: function (e) { var t; if (2 === x) { if (!c) { c = {}; while (t = Tn.exec(a))
c[t[1].toLowerCase()] = t[2] } t = c[e.toLowerCase()] } return null == t ? null : t },
getAllResponseHeaders: function () { return 2 === x ? a : null }, setRequestHeader: function
(e, t) { var n = e.toLowerCase(); return x || (e = v[n] = v[n] || e, y[e] = t), this },
overrideMimeType: function (e) { return x || (p.mimeType = e), this }, statusCode: function
(e) { var t; if (e) if (2 > x) for (t in e) m[t] = [m[t], e[t]]; else N.always(e[N.status]); return this
}, abort: function (e) { var t = e || T; return l && l.abort(t), k(0, t), this } }; if
(h.promise(N).complete = g.add, N.success = N.done, N.error = N.fail, p.url = ((e || p.url ||
yn) + "").replace(xn, "").replace(kn, mn[1] + "/"), p.type = n.method || n.type || p.method ||
p.type, p.dataTypes = b.trim(p.dataType || "*").toLowerCase().match(w) || [""], null ==
p.crossDomain && (r = En.exec(p.url.toLowerCase()), p.crossDomain = !(r || r[1] ===
mn[1] && r[2] === mn[2] && (r[3] || ("http:" === r[1] ? 80 : 443)) === (mn[3] || ("http:" ===
mn[1] ? 80 : 443)))), p.data && p.processData && "string" != typeof p.data && (p.data =
b.param(p.data, p.traditional)), qn(An, p, n, N), 2 === x) return N; u = p.global, u && 0 ===
b.active++ && b.event.trigger("ajaxStart"), p.type = p.type.toUpperCase(), p.hasContent =
!Cn.test(p.type), o = p.url, p.hasContent || (p.data && (o = p.url += (bn.test(o) ? "&" : "?") +
p.data, delete p.data), p.cache === !1 && (p.url = wn.test(o) ? o.replace(wn, "$1_" + vn++) :
o + (bn.test(o) ? "&" : "?") + "_" + vn++)), p.ifModified && (b.lastModified[o] &&
N.setRequestHeader("If-Modified-Since", b.lastModified[o]), b.etag[o] &&
N.setRequestHeader("If-None-Match", b.etag[o])), (p.data && p.hasContent &&
p.contentType !== !1 || n.contentType) && N.setRequestHeader("Content-Type",
p.contentType), N.setRequestHeader("Accept", p.dataTypes[0] &&
p.accepts[p.dataTypes[0]] ? p.accepts[p.dataTypes[0]] + ("*" !== p.dataTypes[0] ? ", " + Dn
+ "; q=0.01" : "") : p.accepts["*"]); for (i in p.headers) N.setRequestHeader(i, p.headers[i]); if
(p.beforeSend && (p.beforeSend.call(f, N, p) === !1 || 2 === x)) return N.abort(); T =
"abort"; for (i in { success: 1, error: 1, complete: 1 }) N[i](p[i]); if (l = qn(jn, p, n, N)) {
N.readyState = 1, u && d.trigger("ajaxSend", [N, p]), p.async && p.timeout > 0 && (s =
setTimeout(function () { N.abort("timeout") }, p.timeout)); try { x = 1, l.send(y, k) } catch
(C) { if (!(2 > x)) throw C; k(-1, C) } } else k(-1, "No Transport"); function k(e, n, r, i) { var
c, y, v, w, T, C = n; 2 !== x && (x = 2, s && clearTimeout(s), l = t, a = i || "", N.readyState =
e > 0 ? 4 : 0, r && (w = _n(p, N, r)), e >= 200 && 300 > e || 304 === e ? (p.ifModified &&
(T = N.getResponseHeader("Last-Modified")), T && (b.lastModified[o] = T), T =

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N.getResponseHeader("etag"), T && (b.etag[o] = T)), 204 === e ? (c = !0, C = "nocontent") :
304 === e ? (c = !0, C = "notmodified") : (c = Fn(p, w), C = c.state, y = c.data, v = c.error, c
= !v)) : (v = C, (e || !C) && (C = "error", 0 > e && (e = 0))), N.status = e, N.statusText = (n ||
C) + "", c ? h.resolveWith(f, [y, C, N]) : h.rejectWith(f, [N, C, v]), N.statusCode(m), m = t, u
&& d.trigger(c ? "ajaxSuccess" : "ajaxError", [N, p, c ? y : v]), g.fireWith(f, [N, C]), u &&
(d.trigger("ajaxComplete", [N, p]), --b.active || b.event.trigger("ajaxStop")) } return N },
getScript: function (e, n) { return b.get(e, t, n, "script") }, getJSON: function (e, t, n) { return
b.get(e, t, n, "json") } }); function _n(e, n, r) { var i, o, a, s, u = e.contents, l = e.dataTypes, c
= e.responseFields; for (s in c) s in r && (n[c[s]] = r[s]); while ("*" === l[0]) l.shift(), o === t
&& (o = e.mimeType || n.getResponseHeader("Content-Type")); if (o) for (s in u) if (u[s] &&
u[s].test(o)) { l.unshift(s); break } if (l[0] in r) a = l[0]; else { for (s in r) { if (!l[0] ||
e.converters[s + " " + l[0]]) { a = s; break } i || (i = s) } a = a || i } return a ? (a !== l[0] &&
l.unshift(a), r[a]) : t } function Fn(e, t) { var n, r, i, o, a = {}, s = 0, u = e.dataTypes.slice(), l =
u[0]; if (e.dataFilter && (t = e.dataFilter(t, e.dataType)), u[1]) for (i in e.converters)
a[i.toLowerCase()] = e.converters[i]; for (; r = u[++s]; ) if ("*" !== r) { if ("*" !== l && l !==
r) { if (i = a[l + " " + r] || a["* " + r], !i) for (n in a) if (o = n.split(" "), o[1] === r && (i = a[l +
" " + o[0]] || a["* " + o[0]])) { i === !0 ? i = a[n] : a[n] !== !0 && (r = o[0], u.splice(s--, 0,
r)); break } if (i !== !0) if (i && e["throws"]) t = i(t); else try { t = i(t) } catch (c) { return {
state: "parsererror", error: i ? c : "No conversion from " + l + " to " + r } } l = r } return {
state: "success", data: t } } b.ajaxSetup({ accepts: { script: "text/javascript,
application/javascript, application/ecmascript, application/x-ecmascript" }, contents: { script:
/(?:(java|ecma)script)/ }, converters: { "text script": function (e) { return b.globalEval(e), e } }
}), b.ajaxPrefilter("script", function (e) { e.cache === t && (e.cache = !1), e.crossDomain
&& (e.type = "GET", e.global = !1) }), b.ajaxTransport("script", function (e) { if
(e.crossDomain) { var n, r = o.head || b("head")[0] || o.documentElement; return { send:
function (t, i) { n = o.createElement("script"), n.async = !0, e.scriptCharset && (n.charset =
e.scriptCharset), n.src = e.url, n.onload = n.onreadystatechange = function (e, t) { (t ||
!n.readyState || /loaded|complete/.test(n.readyState)) && (n.onload = n.onreadystatechange =
null, n.parentNode && n.parentNode.removeChild(n), n = null, t || i(200, "success")) },
r.insertBefore(n, r.firstChild) }, abort: function () { n && n.onload(t, !0) } } }); var On = [],
Bn = /(=)\?(?=&|\$)|\?\?/; b.ajaxSetup({ jsonp: "callback", jsonpCallback: function () { var e =
On.pop() || b.expando + "_" + vn++; return this[e] = !0, e } }), b.ajaxPrefilter("json jsonp",
function (n, r, i) { var o, a, s, u = n.jsonp !== !1 && (Bn.test(n.url) ? "url" : "string" ===
typeof n.data && !(n.contentType || "").indexOf("application/x-www-form-urlencoded") &&
Bn.test(n.data) && "data"); return u || "jsonp" === n.dataTypes[0] ? (o = n.jsonpCallback =
b.isFunction(n.jsonpCallback) ? n.jsonpCallback() : n.jsonpCallback, u ? n[u] =
n[u].replace(Bn, "$1" + o) : n.jsonp !== !1 && (n.url += (bn.test(n.url) ? "&" : "?") + n.jsonp
+ "=" + o), n.converters["script json"] = function () { return s || b.error(o + " was not called"),
s[0] }, n.dataTypes[0] = "json", a = e[o], e[o] = function () { s = arguments },
i.always(function () { e[o] = a, n[o] && (n.jsonpCallback = r.jsonpCallback, On.push(o)), s
&& b.isFunction(a) && a(s[0]), s = a = t }, "script") : t ); var Pn, Rn, Wn = 0, $n =
e.ActiveXObject && function () { var e; for (e in Pn) Pn[e](t, !0) }; function In() { try {
return new e.XMLHttpRequest } catch (t) { } } function zn() { try { return new
e.ActiveXObject("Microsoft.XMLHTTP") } catch (t) { } } b.ajaxSettings.xhr =
e.ActiveXObject ? function () { return !this.isLocal && In() || zn() } : In, Rn =
b.ajaxSettings.xhr(), b.support.cors = !!Rn && "withCredentials" in Rn, Rn = b.support.ajax
= !!Rn, Rn && b.ajaxTransport(function (n) { if (!n.crossDomain || b.support.cors) { var r;
return { send: function (i, o) { var a, s, u = n.xhr(); if (n.username ? u.open(n.type, n.url,
n.async, n.username, n.password) : u.open(n.type, n.url, n.async), n.xhrFields) for (s in
n.xhrFields) u[s] = n.xhrFields[s]; n.mimeType && u.overrideMimeType &&

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u.overrideMimeType(n.mimeType), n.crossDomain || i["X-Requested-With"] || (i["X-
Requested-With"] = "XMLHttpRequest"); try { for (s in i) u.setRequestHeader(s, i[s]) } catch
(l) { } u.send(n.hasContent && n.data || null), r = function (e, i) { var s, l, c, p; try { if (r &&
(i || 4 === u.readyState)) if (r = t, a && (u.onreadystatechange = b.noop, $n && delete
Pn[a]), i) 4 !== u.readyState && u.abort(); else { p = {}, s = u.status, l =
u.getAllResponseHeaders(), "string" === typeof u.responseText && (p.text = u.responseText);
try { c = u.statusText } catch (f) { c = "" } s || !n.isLocal || n.crossDomain ? 1223 === s &&
(s = 204) : s = p.text ? 200 : 404 } } catch (d) { i || o(-1, d) } p && o(s, c, p, l) }, n.async ? 4
=== u.readyState ? setTimeout(r) : (a = ++Wn, $n && (Pn || (Pn = {}, b(e).unload($n)), Pn[a]
= r), u.onreadystatechange = r) : r() }, abort: function () { r && r(t, !0) } } } }; var Xn, Un,
Vn = /^(?:toggle|show|hide)$/, Yn = RegExp("^?(?:[+-]=|)(" + x + ")([a-z%]*)$", "i"), Jn =
/queueHooks$/, Gn = [nr], Qn = { "*": [function (e, t) { var n, r, i = this.createTween(e, t), o
= Yn.exec(t), a = i.cur(), s = +a || 0, u = 1, l = 20; if (o) { if (n = +o[2], r = o[3] ||
(b.cssNumber[e] ? "" : "px"), "px" !== r && s) { s = b.css(i.elem, e, !0) || n || 1; do u = u ||
".5", s /= u, b.style(i.elem, e, s + r); while (u !== (u = i.cur() / a) && 1 !== u && --l) } i.unit
= r, i.start = s, i.end = o[1] ? s + (o[1] + 1) * n : n } return i } ] }; function Kn() { return
setTimeout(function () { Xn = t }, Xn = b.now() ) function Zn(e, t) { b.each(t, function (t, n)
{ var r = (Qn[t] || []).concat(Qn["*"]), i = 0, o = r.length; for (; o > i; i++) if (r[i].call(e, t, n))
return }) } function er(e, t, n) { var r, i, o = 0, a = Gn.length, s = b.Deferred().always(function
() { delete u.elem }), u = function () { if (i) return !1; var t = Xn || Kn(), n = Math.max(0,
l.startTime + l.duration - t), r = n / l.duration || 0, o = 1 - r, a = 0, u = l.tweens.length; for (; u
> a; a++) l.tweens[a].run(o); return s.notifyWith(e, [l, o, n]), 1 > o && u ? n :
(s.resolveWith(e, [l]), !1) }, l = s.promise({ elem: e, props: b.extend({}, t), opts: b.extend(!0,
{ specialEasing: {} }, n), originalProperties: t, originalOptions: n, startTime: Xn || Kn(),
duration: n.duration, tweens: [], createTween: function (t, n) { var r = b.Tween(e, l.opts, t, n,
l.opts.specialEasing[t] || l.opts.easing); return l.tweens.push(r), r }, stop: function (t) { var n =
0, r = t ? l.tweens.length : 0; if (i) return this; for (i = !0; r > n; n++) l.tweens[n].run(1); return
t ? s.resolveWith(e, [l, t]) : s.rejectWith(e, [l, t]), this } } ), c = l.props; for (tr(c,
l.opts.specialEasing); a > o; o++) if (r = Gn[o].call(l, e, c, l.opts)) return r; return Zn(l, c),
b.isFunction(l.opts.start) && l.opts.start.call(e, l), b.fx.timer(b.extend(u, { elem: e, anim: l,
queue: l.opts.queue })), l.progress(l.opts.progress).done(l.opts.done,
l.opts.complete).fail(l.opts.fail).always(l.opts.always) } function tr(e, t) { var n, r, i, o, a; for (i
in e) if (r = b.camelCase(i), o = t[r], n = e[i], b.isArray(n) && (o = n[1], n = e[i] = n[0]), i !==
r && (e[r] = n, delete e[i]), a = b.cssHooks[r], a && "expand" in a) { n = a.expand(n), delete
e[r]; for (i in n) i in e || (e[i] = n[i], t[i] = o) } else t[r] = o } b.Animation = b.extend(er, {
tweener: function (e, t) { b.isFunction(e) ? (t = e, e = ["*"]) : e = e.split(" "); var n, r = 0, i =
e.length; for (; i > r; r++) n = e[r], Qn[n] = Qn[n] || [], Qn[n].unshift(t) }, prefilter: function (e,
t) { t ? Gn.unshift(e) : Gn.push(e) } }); function nr(e, t, n) { var r, i, o, a, s, u, l, c, p, f = this, d
= e.style, h = {}, g = [], m = e.nodeType && nn(e); n.queue || (c = b._queueHooks(e, "fx"),
null == c.unqueued && (c.unqueued = 0, p = c.empty.fire, c.empty.fire = function () {
c.unqueued || p() }, c.unqueued++, f.always(function () { f.always(function () { c.unqueued--,
b.queue(e, "fx").length || c.empty.fire() } })), 1 === e.nodeType && ("height" in t ||
"width" in t) && (n.overflow = [d.overflow, d.overflowX, d.overflowY], "inline" ===
b.css(e, "display") && "none" === b.css(e, "float") && (b.support.inlineBlockNeedsLayout
&& "inline" !== un(e.nodeName) ? d.zoom = 1 : d.display = "inline-block")), n.overflow &&
(d.overflow = "hidden", b.support.shrinkWrapBlocks || f.always(function () { d.overflow =
n.overflow[0], d.overflowX = n.overflow[1], d.overflowY = n.overflow[2] })); for (i in t) if (a
= t[i], Vn.exec(a)) { if (delete t[i], u = u || "toggle" === a, a === (m ? "hide" : "show"))
continue; g.push(i) } if (o = g.length) { s = b._data(e, "fxshow") || b._data(e, "fxshow", {}),
"hidden" in s && (m = s.hidden), u && (s.hidden = !m), m ? b(e).show() : f.done(function ()

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{ b(e).hide() } }, f.done(function () { var t; b._removeData(e, "fxshow"); for (t in h) b.style(e,
t, h[t]); for (i = 0; o > i; i++) r = g[i], l = f.createTween(r, m ? s[r] : 0), h[r] = s[r] ||
b.style(e, r), r in s || (s[r] = l.start, m && (l.end = l.start, l.start = "width" === r || "height" ===
r ? 1 : 0)) } } function rr(e, t, n, r, i) { return new rr.prototype.init(e, t, n, r, i) } b.Tween = rr,
rr.prototype = { constructor: rr, init: function (e, t, n, r, i, o) { this.elem = e, this.prop = n,
this.easing = i || "swing", this.options = t, this.start = this.now = this.cur(), this.end = r,
this.unit = o || (b.cssNumber[n] ? "" : "px") }, cur: function () { var e =
rr.propHooks[this.prop]; return e && e.get ? e.get(this) : rr.propHooks._default.get(this) },
run: function (e) { var t, n = rr.propHooks[this.prop]; return this.pos = t =
this.options.duration ? b.easing[this.easing](e, this.options.duration * e, 0, 1,
this.options.duration) : e, this.now = (this.end - this.start) * t + this.start, this.options.step &&
this.options.step.call(this.elem, this.now, this), n && n.set ? n.set(this) :
rr.propHooks._default.set(this, this) }, rr.prototype.init.prototype = rr.prototype,
rr.propHooks = { _default: { get: function (e) { var t; return null == e.elem[e.prop] ||
e.elem.style && null != e.elem.style[e.prop] ? (t = b.css(e.elem, e.prop, ""), t && "auto" !== t
? t : 0) : e.elem[e.prop] }, set: function (e) { b.fx.step[e.prop] ? b.fx.step[e.prop](e) :
e.elem.style && (null != e.elem.style[b.cssProps[e.prop]] || b.cssHooks[e.prop]) ?
b.style(e.elem, e.prop, e.now + e.unit) : e.elem[e.prop] = e.now } } }, rr.propHooks.scrollTop
= rr.propHooks.scrollLeft = { set: function (e) { e.elem.nodeType && e.elem.parentNode
&& (e.elem[e.prop] = e.now) } }, b.each(["toggle", "show", "hide"], function (e, t) { var n =
b.fn[t]; b.fn[t] = function (e, r, i) { return null == e || "boolean" == typeof e ? n.apply(this,
arguments) : this.animate(ir(t, !0), e, r, i) } }, b.fn.extend({ fadeIn: function (e, t, n, r) {
return this.filter(nn).css("opacity", 0).show().end().animate({ opacity: t }, e, n, r) }, animate:
function (e, t, n, r) { var i = b.isEmptyObject(e), o = b.speed(t, n, r), a = function () { var t =
er(this, b.extend({}, e), o); a.finish = function () { t.stop(!0) }, (i || b._data(this, "finish")) &&
t.stop(!0) }; return a.finish = a, i || o.queue === !1 ? this.each(a) : this.queue(o.queue, a) },
stop: function (e, n, r) { var i = function (e) { var t = e.stop; delete e.stop, t(r) }; return
"string" != typeof e && (r = n, n = e, e = t), n && e !== !1 && this.queue(e || "fx", []),
this.each(function () { var t = !0, n = null != e && e + "queueHooks", o = b.timers, a =
b._data(this); if (n) a[n] && a[n].stop && i(a[n]); else for (n in a) a[n] && a[n].stop &&
Jn.test(n) && i(a[n]); for (n = o.length; n--;) o[n].elem !== this || null != e && o[n].queue
!== e || (o[n].anim.stop(r), t = !1, o.splice(n, 1)); (t || r) && b.dequeue(this, e) } }, finish:
function (e) { return e !== !1 && (e = e || "fx"), this.each(function () { var t, n = b._data(this),
r = n[e + "queue"], i = n[e + "queueHooks"], o = b.timers, a = r ? r.length : 0; for (n.finish =
!0, b.queue(this, e, []), i && i.cur && i.cur.finish && i.cur.finish.call(this), t = o.length; t--;)
o[t].elem === this && o[t].queue === e && (o[t].anim.stop(!0), o.splice(t, 1)); for (t = 0; a >
t; t++) r[t] && r[t].finish && r[t].finish.call(this); delete n.finish } } }); function ir(e, t) { var
n, r = { height: e }, i = 0; for (t = t ? 1 : 0; 4 > i; i += 2 - t) n = Zt[i], r["margin" + n] =
r["padding" + n] = e; return t && (r.opacity = r.width = e), r } b.each({ slideDown:
ir("show"), slideUp: ir("hide"), slideToggle: ir("toggle"), fadeIn: { opacity: "show" },
fadeOut: { opacity: "hide" }, fadeToggle: { opacity: "toggle" } }, function (e, t) { b.fn[e] =
function (e, n, r) { return this.animate(t, e, n, r) } }, b.speed = function (e, t, n) { var r = e
&& "object" == typeof e ? b.extend({}, e) : { complete: n || !n && t || b.isFunction(e) && e,
duration: e, easing: n && t || t && !b.isFunction(t) && t }; return r.duration = b.fx.off ? 0 :
"number" == typeof r.duration ? r.duration : r.duration in b.fx.speeds ? b.fx.speeds[r.duration]
: b.fx.speeds._default, (null == r.queue || r.queue === !0) && (r.queue = "fx"), r.old =
r.complete, r.complete = function () { b.isFunction(r.old) && r.old.call(this), r.queue &&
b.dequeue(this, r.queue) }, r }, b.easing = { linear: function (e) { return e }, swing: function
(e) { return .5 - Math.cos(e * Math.PI) / 2 } }, b.timers = [], b.fx = rr.prototype.init, b.fx.tick
= function () { var e, n = b.timers, r = 0; for (Xn = b.now(); n.length > r; r++) e = n[r], e() ||

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n[r] !== e || n.splice(r--, 1); n.length || b.fx.stop(), Xn = t }, b.fx.timer = function (e) { e() &&
b.timers.push(e) && b.fx.start() }, b.fx.interval = 13, b.fx.start = function () { Un || (Un =
setInterval(b.fx.tick, b.fx.interval)) }, b.fx.stop = function () { clearInterval(Un), Un = null },
b.fx.speeds = { slow: 600, fast: 200, _default: 400 }, b.fx.step = {}, b.expr && b.expr.filters
&& (b.expr.filters.animated = function (e) { return b.grep(b.timers, function (t) { return e
=== t.elem }).length }), b.fn.offset = function (e) { if (arguments.length) return e === t ? this
: this.each(function (t) { b.offset.setOffset(this, e, t) }); var n, r, o = { top: 0, left: 0 }, a =
this[0], s = a && a.ownerDocument; if (s) return n = s.documentElement, b.contains(n, a) ?
(typeof a.getBoundingClientRect !== i && (o = a.getBoundingClientRect()), r = or(s), { top:
o.top + (r.pageYOffset || n.scrollTop) - (n.clientTop || 0), left: o.left + (r.pageXOffset ||
n.scrollLeft) - (n.clientLeft || 0) }) : o }, b.offset = { setOffset: function (e, t, n) { var r =
b.css(e, "position"); "static" === r && (e.style.position = "relative"); var i = b(e), o =
i.offset(), a = b.css(e, "top"), s = b.css(e, "left"), u = ("absolute" === r || "fixed" === r) &&
b.inArray("auto", [a, s]) > -1, l = {}, c = {}, p, f; u ? (c = i.position(), p = c.top, f = c.left) : (p =
parseFloat(a) || 0, f = parseFloat(s) || 0), b.isFunction(t) && (t = t.call(e, n, o)), null != t.top
&& (l.top = t.top - o.top + p), null != t.left && (l.left = t.left - o.left + f), "using" in t ?
t.using.call(e, l) : i.css(l) }, b.fn.extend({ position: function () { if (this[0]) { var e, t, n = {
top: 0, left: 0 }, r = this[0]; return "fixed" === b.css(r, "position") ? t =
r.getBoundingClientRect() : (e = this.offsetParent(), t = this.offset(), b.nodeName(e[0],
"html") || (n = e.offset()), n.top += b.css(e[0], "borderTopWidth", !0), n.left += b.css(e[0],
"borderLeftWidth", !0)), { top: t.top - n.top - b.css(r, "marginTop", !0), left: t.left - n.left -
b.css(r, "marginLeft", !0) } }, offsetParent: function () { return this.map(function () { var e =
this.offsetParent || o.documentElement; while (e && !b.nodeName(e, "html") && "static"
=== b.css(e, "position")) e = e.offsetParent; return e || o.documentElement } } }, b.each({
scrollLeft: "pageXOffset", scrollTop: "pageYOffset" }, function (e, n) { var r = /Y/.test(n);
b.fn[e] = function (i) { return b.access(this, function (e, i, o) { var a = or(e); return o === t ? a
? n in a ? a[n] : a.document.documentElement[i] : e[i] : (a ? a.scrollTo(r ? b(a).scrollLeft() : o,
r ? o : b(a).scrollTop()) : e[i] = o, t) }, e, i, arguments.length, null) } }); function or(e) { return
b.isWindow(e) ? e : 9 === e.nodeType ? e.defaultView || e.parentWindow : !1 } b.each({
Height: "height", Width: "width" }, function (e, n) { b.each({ padding: "inner" + e, content: n,
"": "outer" + e }, function (r, i) { b.fn[i] = function (i, o) { var a = arguments.length && (r ||
"boolean" !== typeof i), s = r || (i === !0 || o === !0 ? "margin" : "border"); return
b.access(this, function (n, r, i) { var o; return b.isWindow(n) ?
n.document.documentElement["client" + e] : 9 === n.nodeType ? (o = n.documentElement,
Math.max(n.body["scroll" + e], o["scroll" + e], n.body["offset" + e], o["offset" + e],
o["client" + e])) : i === t ? b.css(n, r, s) : b.style(n, r, i, s) }, n, a ? i : t, a, null) } } ),
e.jQuery = e.$ = b, "function" === typeof define && define.amd && define.amd.jQuery &&
define("jquery", [], function () { return b })
})(window);

```

jssor.js

```
/*
```

```
* Jssor 18.0
```

```
* http://www.jssor.com/
```

*

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*/

/*! Jssor */

```

//JssorDebug$
var $JssorDebug$ = new function () {

    this.$DebugMode = true;

    // Methods

    this.$Log = function (msg, important) {
        var console = window.console || {};
        var debug = this.$DebugMode;

        if (debug && console.log) {
            console.log(msg);
        } else if (debug && important) {
            alert(msg);
        }
    };

    this.$Error = function (msg, e) {
        var console = window.console || {};
        var debug = this.$DebugMode;

        if (debug && console.error) {
            console.error(msg);
        } else if (debug) {
            alert(msg);
        }

        if (debug) {
            // since we're debugging, fail fast by crashing
            throw e || new Error(msg);
        }
    };
};

```

```
    }  
};
```

```
this.$Fail = function (msg) {  
    throw new Error(msg);  
};
```

```
this.$Assert = function (value, msg) {  
    var debug = this.$DebugMode;  
    if (debug) {  
        if (!value)  
            throw new Error("Assert failed " + msg || "");  
    }  
};
```

```
this.$Trace = function (msg) {  
    var console = window.console || {};  
    var debug = this.$DebugMode;  
  
    if (debug && console.log) {  
        console.log(msg);  
    }  
};
```

```
this.$Execute = function (func) {  
    var debug = this.$DebugMode;  
    if (debug)  
        func();  
};
```

```
this.$LiveStamp = function (obj, id) {  
    var debug = this.$DebugMode;
```

```

    if (debug) {
        var stamp = document.createElement("DIV");
        stamp.setAttribute("id", id);

        obj.$Live = stamp;
    }
};

this.$C_AbstractMethod = function () {
    /// <summary>
    ///     Tells compiler the method is abstract, it should be implemented by subclass.
    /// </summary>

    throw new Error("The method is abstract, it should be implemented by subclass.");
};

function C_AbstractClass (instance) {
    /// <summary>
    ///     Tells compiler the class is abstract, it should be implemented by subclass.
    /// </summary>

    if(instance.constructor === C_AbstractClass.caller)
        throw new Error("Cannot create instance of an abstract class.");
}

this.$C_AbstractClass = C_AbstractClass;
};

// $JssorEasing$
var $JssorEasing$ = window.$JssorEasing$ = {
    $EaseLinear: function (t) {
        return t;
    }
};

```



```

},
$EaseGoBack: function (t) {
    return 1 - Math.abs((t *= 2) - 1);
},
$EaseSwing: function (t) {
    return -Math.cos(t * Math.PI) / 2 + .5;
},
$EaseInQuad: function (t) {
    return t * t;
},
$EaseOutQuad: function (t) {
    return -t * (t - 2);
},
$EaseInOutQuad: function (t) {
    return (t *= 2) < 1 ? 1 / 2 * t * t : -1 / 2 * (--t * (t - 2) - 1);
},
$EaseInCubic: function (t) {
    return t * t * t;
},
$EaseOutCubic: function (t) {
    return (t -= 1) * t * t + 1;
},
$EaseInOutCubic: function (t) {
    return (t *= 2) < 1 ? 1 / 2 * t * t * t : 1 / 2 * ((t -= 2) * t * t + 2);
},
$EaseInQuart: function (t) {
    return t * t * t * t;
},
$EaseOutQuart: function (t) {
    return -((t -= 1) * t * t * t - 1);
},
$EaseInOutQuart: function (t) {

```

```

    return (t != 2) < 1 ? 1 / 2 * t * t * t * t : -1 / 2 * ((t -= 2) * t * t * t - 2);
},
$EaseInQuint: function (t) {
    return t * t * t * t * t;
},
$EaseOutQuint: function (t) {
    return (t -= 1) * t * t * t * t + 1;
},
$EaseInOutQuint: function (t) {
    return (t != 2) < 1 ? 1 / 2 * t * t * t * t * t : 1 / 2 * ((t -= 2) * t * t * t * t + 2);
},
$EaseInSine: function (t) {
    return 1 - Math.cos(t * Math.PI / 2);
},
$EaseOutSine: function (t) {
    return Math.sin(t * Math.PI / 2);
},
$EaseInOutSine: function (t) {
    return -1 / 2 * (Math.cos(Math.PI * t) - 1);
},
$EaseInExpo: function (t) {
    return t == 0 ? 0 : Math.pow(2, 10 * (t - 1));
},
$EaseOutExpo: function (t) {
    return t == 1 ? 1 : -Math.pow(2, -10 * t) + 1;
},
$EaseInOutExpo: function (t) {
    return t == 0 || t == 1 ? t : (t != 2) < 1 ? 1 / 2 * Math.pow(2, 10 * (t - 1)) : 1 / 2 * (-
Math.pow(2, -10 * --t) + 2);
},
$EaseInCirc: function (t) {
    return -(Math.sqrt(1 - t * t) - 1);

```

```

},
$EaseOutCirc: function (t) {
    return Math.sqrt(1 - (t -= 1) * t);
},
$EaseInOutCirc: function (t) {
    return (t *= 2) < 1 ? -1 / 2 * (Math.sqrt(1 - t * t) - 1) : 1 / 2 * (Math.sqrt(1 - (t -= 2) * t) + 1);
},
$EaseInElastic: function (t) {
    if (!t || t === 1)
        return t;
    var p = .3, s = .075;
    return -(Math.pow(2, 10 * (t -= 1)) * Math.sin((t - s) * 2 * Math.PI / p));
},
$EaseOutElastic: function (t) {
    if (!t || t === 1)
        return t;
    var p = .3, s = .075;
    return Math.pow(2, -10 * t) * Math.sin((t - s) * 2 * Math.PI / p) + 1;
},
$EaseInOutElastic: function (t) {
    if (!t || t === 1)
        return t;
    var p = .45, s = .1125;
    return (t *= 2) < 1 ? -.5 * Math.pow(2, 10 * (t -= 1)) * Math.sin((t - s) * 2 * Math.PI / p) : Math.pow(2, -10 * (t -= 1)) * Math.sin((t - s) * 2 * Math.PI / p) * .5 + 1;
},
$EaseInBack: function (t) {
    var s = 1.70158;
    return t * t * ((s + 1) * t - s);
},
$EaseOutBack: function (t) {

```

```

    var s = 1.70158;

    return (t -= 1) * t * ((s + 1) * t + s) + 1;

},

$EaseInOutBack: function (t) {

    var s = 1.70158;

    return (t *= 2) < 1 ? 1 / 2 * t * t * (((s *= 1.525) + 1) * t - s) : 1 / 2 * ((t -= 2) * t * (((s *= 1.525) + 1) * t + s) + 2);

},

$EaseInBounce: function (t) {

    return 1 - $JssorEasing$.EaseOutBounce(1 - t)

},

$EaseOutBounce: function (t) {

    return t < 1 / 2.75 ? 7.5625 * t * t : t < 2 / 2.75 ? 7.5625 * (t -= 1.5 / 2.75) * t + .75 : t < 2.5 / 2.75 ? 7.5625 * (t -= 2.25 / 2.75) * t + .9375 : 7.5625 * (t -= 2.625 / 2.75) * t + .984375;

},

$EaseInOutBounce: function (t) {

    return t < 1 / 2 ? $JssorEasing$.EaseInBounce(t * 2) * .5 : $JssorEasing$.EaseOutBounce(t * 2 - 1) * .5 + .5;

},

$EaseInWave: function (t) {

    return 1 - Math.cos(t * Math.PI * 2)

},

$EaseOutWave: function (t) {

    return Math.sin(t * Math.PI * 2);

},

$EaseOutJump: function (t) {

    return 1 - (((t *= 2) < 1) ? (t = 1 - t) * t * t : (t -= 1) * t * t);

},

$EaseInJump: function (t) {

    return ((t *= 2) < 1) ? t * t * t : (t = 2 - t) * t * t;

}

};

```

```

var $JssorDirection$ = window.$JssorDirection$ = {
    $TO_LEFT: 0x0001,
    $TO_RIGHT: 0x0002,
    $TO_TOP: 0x0004,
    $TO_BOTTOM: 0x0008,
    $HORIZONTAL: 0x0003,
    $VERTICAL: 0x000C,
    $LEFTRIGHT: 0x0003,
    $TOPBOTOM: 0x000C,
    $TOPLEFT: 0x0005,
    $TOPRIGHT: 0x0006,
    $BOTTOMLEFT: 0x0009,
    $BOTTOMRIGHT: 0x000A,
    $AROUND: 0x000F,

    $GetDirectionHorizontal: function (direction) {
        return direction & 0x0003;
    },
    $GetDirectionVertical: function (direction) {
        return direction & 0x000C;
    },
    $ChessHorizontal: function (direction) {
        return (~direction & 0x0003) + (direction & 0x000C);
    },
    $ChessVertical: function (direction) {
        return (~direction & 0x000C) + (direction & 0x0003);
    },
    $IsToLeft: function (direction) {
        return (direction & 0x0003) == 0x0001;
    },
    $IsToRight: function (direction) {
        return (direction & 0x0003) == 0x0002;
    }
};

```

```

    },
    $IsToTop: function (direction) {
        return (direction & 0x000C) == 0x0004;
    },
    $IsToBottom: function (direction) {
        return (direction & 0x000C) == 0x0008;
    },
    $IsHorizontal: function (direction) {
        return (direction & 0x0003) > 0;
    },
    $IsVertical: function (direction) {
        return (direction & 0x000C) > 0;
    }
};

```

```

var $JssorKeyCode$ = {
    $BACKSPACE: 8,
    $COMMA: 188,
    $DELETE: 46,
    $DOWN: 40,
    $END: 35,
    $ENTER: 13,
    $ESCAPE: 27,
    $HOME: 36,
    $LEFT: 37,
    $NUMPAD_ADD: 107,
    $NUMPAD_DECIMAL: 110,
    $NUMPAD_DIVIDE: 111,
    $NUMPAD_ENTER: 108,
    $NUMPAD_MULTIPLY: 106,
    $NUMPAD_SUBTRACT: 109,
    $PAGE_DOWN: 34,

```

```

$PAGE_UP: 33,
$PERIOD: 190,
$RIGHT: 39,
$SPACE: 32,
$TAB: 9,
$UP: 38
};

var $JssorAlignment$ = {
    $TopLeft: 0x11,
    $TopCenter: 0x12,
    $TopRight: 0x14,
    $MiddleLeft: 0x21,
    $MiddleCenter: 0x22,
    $MiddleRight: 0x24,
    $BottomLeft: 0x41,
    $BottomCenter: 0x42,
    $BottomRight: 0x44,

    $IsTop: function (alignment) {
        return alignment & 0x10 > 0;
    },
    $IsMiddle: function (alignment) {
        return alignment & 0x20 > 0;
    },
    $IsBottom: function (alignment) {
        return alignment & 0x40 > 0;
    },
    $IsLeft: function (alignment) {
        return alignment & 0x01 > 0;
    },
    $IsCenter: function (alignment) {

```

```

        return alignment & 0x02 > 0;
    },
    $IsRight: function (alignment) {
        return alignment & 0x04 > 0;
    }
};

var $JssorMatrix$;

var $JssorAnimator$;

// $Jssor$ is a static class, so make it singleton instance
var $Jssor$ = window.$Jssor$ = new function () {
    // Fields
    var _This = this;

    var REGEX_WHITESPACE_GLOBAL = /\S+/g;

    var ROWSER_UNKNOWN = 0;
    var BROWSER_IE = 1;
    var BROWSER_FIREFOX = 2;
    var BROWSER_FIREFOX = 3;
    var BROWSER_CHROME = 4;
    var BROWSER_OPERA = 5;

    //var arrActiveX = ["Msxml2.XMLHTTP", "Msxml3.XMLHTTP",
    "Microsoft.XMLHTTP"];

    var browser = 0;
    var browserRuntimeVersion = 0;
    var browserEngineVersion = 0;
    var browserJavascriptVersion = 0;

```



```

var webkitVersion = 0;

var app = navigator.appName;
var ver = navigator.appVersion;
var ua = navigator.userAgent;

var _DocElmt = document.documentElement;
var _TransformProperty;

function DetectBrowser() {
    if (!browser) {
        if (app == "Microsoft Internet Explorer" &&
            !!window.attachEvent && !!window.ActiveXObject) {

            var ieOffset = ua.indexOf("MSIE");
            browser = BROWSER_IE;
            browserEngineVersion = ParseFloat(ua.substring(ieOffset + 5, ua.indexOf(";",
ieOffset)));

            //check IE javascript version
            /*@cc_on
            browserJavascriptVersion = @_jscript_version;
            @*/

            // update: for intranet sites and compat view list sites, IE sends
            // an IE7 User-Agent to the server to be interoperable, and even if
            // the page requests a later IE version, IE will still report the
            // IE7 UA to JS. we should be robust to self
            //var docMode = document.documentMode;
            //if (typeof docMode !== "undefined") {
            //    browserRuntimeVersion = docMode;
            //}

```

```

        browserRuntimeVersion = document.documentMode || browserEngineVersion;

    }

    else if (app == "Netscape" && !!window.addEventListener) {

        var ffOffset = ua.indexOf("Firefox");
        var saOffset = ua.indexOf("Safari");
        var chOffset = ua.indexOf("Chrome");
        var webkitOffset = ua.indexOf("AppleWebKit");

        if (ffOffset >= 0) {
            browser = BROWSER_FIREFOX;
            browserRuntimeVersion = ParseFloat(ua.substring(ffOffset + 8));
        }

        else if (saOffset >= 0) {
            var slash = ua.substring(0, saOffset).lastIndexOf("/");
            browser = (chOffset >= 0) ? BROWSER_CHROME : BROWSER_FIREFOX;
            browserRuntimeVersion = ParseFloat(ua.substring(slash + 1, saOffset));
        }

        if (webkitOffset >= 0)
            webkitVersion = ParseFloat(ua.substring(webkitOffset + 12));
    }

    else {
        var match = /(opera)(?:.*version|)[ \/]([\w.]+)/i.exec(ua);
        if (match) {
            browser = BROWSER_OPERA;
            browserRuntimeVersion = ParseFloat(match[2]);
        }
    }
}

```

```
}
```

```
function IsBrowserIE() {  
    DetectBrowser();  
    return browser == BROWSER_IE;  
}
```

```
function IsBrowserIeQuirks() {  
    return IsBrowserIE() && (browserRuntimeVersion < 6 || document.compatMode ==  
"BackCompat"); //Composite to "CSS1Compat"  
}
```

```
function IsBrowserFireFox() {  
    DetectBrowser();  
    return browser == BROWSER_FIREFOX;  
}
```

```
function IsBrowserSafari() {  
    DetectBrowser();  
    return browser == BROWSER_FIREFOX;  
}
```

```
function IsBrowserChrome() {  
    DetectBrowser();  
    return browser == BROWSER_CHROME;  
}
```

```
function IsBrowserOpera() {  
    DetectBrowser();  
    return browser == BROWSER_OPERA;  
}
```

```

function IsBrowserBadTransform() {
    return IsBrowserSafari() && (webkitVersion > 534) && (webkitVersion < 535);
}

function IsBrowserIe9Earlier() {
    return IsBrowserIE() && browserRuntimeVersion < 9;
}

function GetTransformProperty(elmt) {

    if (!_TransformProperty) {
        // Note that in some versions of IE9 it is critical that
        // msTransform appear in this list before MozTransform

        each(['transform', 'WebkitTransform', 'msTransform', 'MozTransform', 'OTransform'],
function (property) {
            if (elmt.style[property] != undefined) {
                _TransformProperty = property;
                return true;
            }
        });

        _TransformProperty = _TransformProperty || "transform";
    }

    return _TransformProperty;
}

// Helpers
function getOffsetParent(elmt, isFixed) {
    // IE and Opera "fixed" position elements don't have offset parents.
    // regardless, if it's fixed, its offset parent is the body.

```

```

if (isFixed && elmt != document.body) {
    return document.body;
} else {
    return elmt.offsetParent;
}
}

```

```

function toString(obj) {
    return Object.prototype.toString.call(obj);
}

```

```

// [[Class]] -> type pairs
var class2type;

```

```

function each(object, callback) {
    if (toString(object) == "[object Array]") {
        for (var i = 0; i < object.length; i++) {
            if (callback(object[i], i, object)) {
                return true;
            }
        }
    }
    else {
        for (var name in object) {
            if (callback(object[name], name, object)) {
                return true;
            }
        }
    }
}

```

```

function GetClass2Type() {

```

```

    if (!class2type) {
        class2type = {};
        each(["Boolean", "Number", "String", "Function", "Array", "Date", "RegExp",
"Object"], function (name) {
            class2type["[object " + name + "]"] = name.toLowerCase();
        });
    }

    return class2type;
}

function type(obj) {
    return obj == null ? String(obj) : GetClass2Type()[toString(obj)] || "object";
}

function isPlainObject(obj) {
    // Must be an Object.
    // Because of IE, we also have to check the presence of the constructor property.
    // Make sure that DOM nodes and window objects don't pass through, as well
    if (!obj || type(obj) !== "object" || obj.nodeType || _This.$IsWindow(obj)) {
        return false;
    }

    var hasOwn = Object.prototype.hasOwnProperty;

    try {
        // Not own constructor property must be Object
        if (obj.constructor &&
            !hasOwn.call(obj, "constructor") &&
            !hasOwn.call(obj.constructor.prototype, "isPrototypeOf")) {
            return false;
        }
    }

```

```

    } catch (e) {
        // IE8,9 Will throw exceptions on certain host objects #9897
        return false;
    }

    // Own properties are enumerated firstly, so to speed up,
    // if last one is own, then all properties are own.

    var key;
    for (key in obj) { }

    return key === undefined || hasOwn.call(obj, key);
}

function Point(x, y) {
    return { x: x, y: y };
}

function Delay(code, delay) {
    setTimeout(code, delay || 0);
}

function RemoveByReg(str, reg) {
    var m = reg.exec(str);

    if (m) {
        var header = str.substr(0, m.index);
        var tailer = str.substr(m.lastIndex + 1, str.length - (m.lastIndex + 1));
        str = header + tailer;
    }

    return str;
}

```

```
}
```

```
function BuildNewCss(oldCss, removeRegs, replaceValue) {  
    var css = (!oldCss || oldCss == "inherit") ? "" : oldCss;  
  
    each(removeRegs, function (removeReg) {  
        var m = removeReg.exec(css);  
  
        if (m) {  
            var header = css.substr(0, m.index);  
            var tailer = css.substr(m.lastIndex + 1, css.length - (m.lastIndex + 1));  
            css = header + tailer;  
        }  
    });  
  
    css = replaceValue + (css.indexOf(" ") != 0 ? " " : "") + css;  
  
    return css;  
}
```

```
function SetStyleFilterIE(elmt, value) {  
    if (browserRuntimeVersion < 9) {  
        elmt.style.filter = value;  
    }  
}
```

```
function SetStyleMatrixIE(elmt, matrix, offset) {  
    //matrix is not for ie9+ running in ie8- mode  
    if (browserJavascriptVersion < 9) {  
        var oldFilterValue = elmt.style.filter;  
        var matrixReg = new  
RegExp(/[\s]*progid:DXImageTransform\.Microsoft\.Matrix\([^)]*\)/g);
```



```
var matrixValue = matrix ? "progid:DXImageTransform.Microsoft.Matrix(" +  
"M11=" + matrix[0][0] + ", M12=" + matrix[0][1] + ", M21=" + matrix[1][0] + ", M22=" +  
matrix[1][1] + ", SizingMethod='auto expand')" : "";
```

```
var newFilterValue = BuildNewCss(oldFilterValue, [matrixReg], matrixValue);
```

```
SetStyleFilterIE(elmt, newFilterValue);
```

```
_This.$CssMarginTop(elmt, offset.y);
```

```
_This.$CssMarginLeft(elmt, offset.x);
```

```
}
```

```
}
```

```
// Methods
```

```
_This.$IsBrowserIE = IsBrowserIE;
```

```
_This.$IsBrowserIeQuirks = IsBrowserIeQuirks;
```

```
_This.$IsBrowserFireFox = IsBrowserFireFox;
```

```
_This.$IsBrowserSafari = IsBrowserSafari;
```

```
_This.$IsBrowserChrome = IsBrowserChrome;
```

```
_This.$IsBrowserOpera = IsBrowserOpera;
```

```
_This.$IsBrowserBadTransform = IsBrowserBadTransform;
```

```
_This.$IsBrowserIe9Earlier = IsBrowserIe9Earlier;
```

```
_This.$BrowserVersion = function () {
```

```

    return browserRuntimeVersion;
};

_This.$BrowserEngineVersion = function () {
    return browserEngineVersion || browserRuntimeVersion;
};

_This.$WebKitVersion = function () {
    DetectBrowser();

    return webkitVersion;
};

_This.$Delay = Delay;

_This.$Inherit = function (instance, baseClass) {
    baseClass.apply(instance, [].slice.call(arguments, 2));
    return Extend({}, instance);
};

function Construct(instance, constructor) {
    instance.constructor === Construct.caller && instance.$Construct &&
instance.$Construct();
}

_This.$Construct = Construct;

_This.$GetElement = function (elmt) {
    if (_This.$IsString(elmt)) {
        elmt = document.getElementById(elmt);
    }
}

```

```

    return elmt;
};

function GetEvent(event) {
    return event || window.event;
}

_This.$GetEvent = GetEvent;

_This.$EventSrc = function (event) {
    event = GetEvent(event);
    return event.target || event.srcElement || document;
};

_This.$EventDst = function (event) {
    event = GetEvent(event);
    return event.relatedTarget || event.toElement;
};

_This.$MousePosition = function (event) {
    event = GetEvent(event);
    var body = document.body;

    return {
        x: event.pageX || event.clientX + (_DocElmt.scrollLeft || body.scrollLeft || 0) -
(_DocElmt.clientLeft || body.clientLeft || 0) || 0,
        y: event.pageY || event.clientY + (_DocElmt.scrollTop || body.scrollTop || 0) -
(_DocElmt.clientTop || body.clientTop || 0) || 0
    };
};

_This.$PageScroll = function () {

```

```

var body = document.body;

return {
    x: (window.pageXOffset || _DocElmt.scrollLeft || body.scrollLeft || 0) -
(_DocElmt.clientLeft || body.clientLeft || 0),
    y: (window.pageYOffset || _DocElmt.scrollTop || body.scrollTop || 0) -
(_DocElmt.clientTop || body.clientTop || 0)
};
};

_This.$WindowSize = function () {
    var body = document.body;

    return {
        x: body.clientWidth || _DocElmt.clientWidth,
        y: body.clientHeight || _DocElmt.clientHeight
    };
};

//_This.$GetElementPosition = function (elmt) {
//    elmt = _This.$GetElement(elmt);
//    var result = Point();

//    // technique from:
//    // http://www.quirksmode.org/js/findpos.html
//    // with special check for "fixed" elements.

//    while (elmt) {
//        result.x += elmt.offsetLeft;
//        result.y += elmt.offsetTop;

//        var isFixed = _This.$GetElementStyle(elmt).position == "fixed";

```

```

//    if (isFixed) {
//        result = result.$Plus(_This.$PageScroll(window));
//    }

//    elmt = getOffsetParent(elmt, isFixed);
// }

// return result;
//};

//_This.$GetMouseScroll = function (event) {
//    event = GetEvent(event);
//    var delta = 0; // default value

//    // technique from:
//    // http://blog.paranoidferret.com/index.php/2007/10/31/javascript-tutorial-the-scroll-wheel/

//    if (typeof (event.wheelDelta) == "number") {
//        delta = event.wheelDelta;
//    } else if (typeof (event.detail) == "number") {
//        delta = event.detail * -1;
//    } else {
//        $JssorDebug$.Fail("Unknown event mouse scroll, no known technique.");
//    }

//    // normalize value to [-1, 1]
//    return delta ? delta / Math.abs(delta) : 0;
//};

//_This.$MakeAjaxRequest = function (url, callback) {

```

```

// var async = typeof (callback) == "function";
// var req = null;

// if (async) {
//     var actual = callback;
//     var callback = function () {
//         Delay($Jssor$.CreateCallback(null, actual, req), 1);
//     };
// }

// if (window.ActiveXObject) {
//     for (var i = 0; i < arrActiveX.length; i++) {
//         try {
//             req = new ActiveXObject(arrActiveX[i]);
//             break;
//         } catch (e) {
//             continue;
//         }
//     }
// } else if (window.XMLHttpRequest) {
//     req = new XMLHttpRequest();
// }

// if (!req) {
//     $JssorDebug$.Fail("Browser doesn't support XMLHttpRequest.");
// }

// if (async) {
//     req.onreadystatechange = function () {
//         if (req.readyState == 4) {
//             // prevent memory leaks by breaking circular reference now
//             req.onreadystatechange = new Function();

```

```

//      callback();
//    }
//  };
// }

// try {
//   req.open("GET", url, async);
//   req.send(null);
// } catch (e) {
//   $JssorDebug$.Log(e.name + " while making AJAX request: " + e.message);

//   req.onreadystatechange = null;
//   req = null;

//   if (async) {
//     callback();
//   }
// }

// return async ? null : req;
//};

//_This.$ParseXml = function (string) {
//  var xmlDoc = null;

//  if (window.ActiveXObject) {
//    try {
//      xmlDoc = new ActiveXObject("Microsoft.XMLDOM");
//      xmlDoc.async = false;
//      xmlDoc.loadXML(string);
//    } catch (e) {
//      $JssorDebug$.Log(e.name + " while parsing XML (ActiveX): " + e.message);

```

```

//    }
//  } else if (window.DOMParser) {
//    try {
//      var parser = new DOMParser();
//      xmlDoc = parser.parseFromString(string, "text/xml");
//    } catch (e) {
//      $JssorDebug$.Log(e.name + " while parsing XML (DOMParser): " +
e.message);
//    }
//  } else {
//    $JssorDebug$.Fail("Browser doesn't support XML DOM.");
//  }

//  return xmlDoc;
//};

```

```

function Css(elmt, name, value) {
  /// <summary>
  ///      access css
  ///  $Jssor$.Css(elmt, name);    //get css value
  ///  $Jssor$.Css(elmt, name, value); //set css value
  /// </summary>
  /// <param name="elmt" type="HTMLElement">
  ///      the element to access css
  /// </param>
  /// <param name="name" type="String">
  ///      the name of css property
  /// </param>
  /// <param name="value" optional="true">
  ///      the value to set
  /// </param>
  if (value != undefined) {

```



```

    elmt.style[name] = value;
}
else {
    var style = elmt.currentStyle || elmt.style;
    value = style[name];

    if (value == "" && window.getComputedStyle) {
        style = elmt.ownerDocument.defaultView.getComputedStyle(elmt, null);

        style && (value = style.getPropertyValue(name) || style[name]);
    }

    return value;
}
}

```

```

function CssN(elmt, name, value, isDimensional) {
    /// <summary>
    ///     access css as numeric
    ///     $Jssor$.CssN(elmt, name);    //get css value
    ///     $Jssor$.CssN(elmt, name, value); //set css value
    /// </summary>
    /// <param name="elmt" type="HTMLElement">
    ///     the element to access css
    /// </param>
    /// <param name="name" type="String">
    ///     the name of css property
    /// </param>
    /// <param name="value" type="Number" optional="true">
    ///     the value to set
    /// </param>
    if (value != undefined) {

```

```

        isDimensional && (value += "px");
        Css(elmt, name, value);
    }
    else {
        return ParseFloat(Css(elmt, name));
    }
}

```

```

function CssP(elmt, name, value) {
    /// <summary>
    ///     access css in pixel as numeric, like 'top', 'left', 'width', 'height'
    ///     $Jssor$.CssP(elmt, name);    //get css value
    ///     $Jssor$.CssP(elmt, name, value); //set css value
    /// </summary>
    /// <param name="elmt" type="HTMLElement">
    ///     the element to access css
    /// </param>
    /// <param name="name" type="String">
    ///     the name of css property
    /// </param>
    /// <param name="value" type="Number" optional="true">
    ///     the value to set
    /// </param>
    return CssN(elmt, name, value, true);
}

```

```

function CssProxy(name, numericOrDimension) {
    /// <summary>
    ///     create proxy to access css, CssProxy(name[, numericOrDimension]);
    /// </summary>
    /// <param name="elmt" type="HTMLElement">
    ///     the element to access css

```

```

    /// </param>
    /// <param name="numericOrDimension" type="Number" optional="true">
    ///         not set: access original css, 1: access css as numeric, 2: access css in pixel as
numeric
    /// </param>
    var isDimensional = numericOrDimension & 2;
    var cssAccessor = numericOrDimension ? CssN : Css;
    return function (elmt, value) {
        return cssAccessor(elmt, name, value, isDimensional);
    };
}

```

```

function GetStyleOpacity(elmt) {
    if (IsBrowserIE() && browserEngineVersion < 9) {
        var match = /opacity=([^\s]*)/.exec(elmt.style.filter || "");
        return match ? (parseFloat(match[1]) / 100) : 1;
    }
    else
        return parseFloat(elmt.style.opacity || "1");
}

```

```

function SetStyleOpacity(elmt, opacity, ie9EarlierForce) {

    if (IsBrowserIE() && browserEngineVersion < 9) {
        //var filterName = "filter"; // browserEngineVersion < 8 ? "filter" : "-ms-filter";
        var finalFilter = elmt.style.filter || "";

        // for CSS filter browsers (IE), remove alpha filter if it's unnecessary.
        // update: doing _This always since IE9 beta seems to have broken the
        // behavior if we rely on the programmatic filters collection.
        var alphaReg = new RegExp(/[\s]*alpha\([^\s]*\)/g);
    }
}

```

```

// important: note the lazy star! _This protects against
// multiple filters; we don't want to delete the other ones.
// update: also trimming extra whitespace around filter.

var ieOpacity = Math.round(100 * opacity);
var alphaFilter = "";
if (ieOpacity < 100 || ie9EarlierForce) {
    alphaFilter = "alpha(opacity=" + ieOpacity + ") ";
    //elmt.style["-ms-filter"] = "progid:DXImageTransform.Microsoft.Alpha(opacity="
+ ieOpacity + ") ";
}

var newFilterValue = BuildNewCss(finalFilter, [alphaReg], alphaFilter);

SetStyleFilterIE(elmt, newFilterValue);
}

//if (!IsBrowserIE() || browserEngineVersion >= 9)
else {
    elmt.style.opacity = opacity == 1 ? "" : Math.round(opacity * 100) / 100;
}
}

function SetStyleTransformInternal(elmt, transform) {
    var rotate = transform.$Rotate || 0;
    var scale = transform.$Scale == undefined ? 1 : transform.$Scale;

    if (IsBrowserIe9Earlier()) {
        var matrix = _This.$CreateMatrix(rotate / 180 * Math.PI, scale, scale);
        SetStyleMatrixIE(elmt, (!rotate && scale == 1) ? null : matrix,
        _This.$GetMatrixOffset(matrix, transform.$OriginalWidth, transform.$OriginalHeight));
    }
}

```

```

else {
    //rotate(15deg) scale(.5) translateZ(0)
    var transformProperty = GetTransformProperty(elmt);
    if (transformProperty) {
        var transformValue = "rotate(" + rotate % 360 + "deg) scale(" + scale + ")";

        //needed for touch device, no need for desktop device
        if (IsBrowserChrome() && webkitVersion > 535 && "ontouchstart" in window)
            transformValue += " perspective(2000px)";

        elmt.style[transformProperty] = transformValue;
    }
}
}

```

```

_This.$SetStyleTransform = function (elmt, transform) {
    if (IsBrowserBadTransform()) {
        Delay(_This.$CreateCallback(null, SetStyleTransformInternal, elmt, transform));
    }
    else {
        SetStyleTransformInternal(elmt, transform);
    }
};

```

```

_This.$SetStyleTransformOrigin = function (elmt, transformOrigin) {
    var transformProperty = GetTransformProperty(elmt);

    if (transformProperty)
        elmt.style[transformProperty + "Origin"] = transformOrigin;
};

```

```

_This.$CssScale = function (elmt, scale) {

```

```
if (IsBrowserIE() && browserEngineVersion < 9 || (browserEngineVersion < 10 &&
IsBrowserIeQuirks())) {
```

```
    elmt.style.zoom = (scale == 1) ? "" : scale;
```

```
}
```

```
else {
```

```
    var transformProperty = GetTransformProperty(elmt);
```

```
    if (transformProperty) {
```

```
        //rotate(15deg) scale(.5)
```

```
        var transformValue = "scale(" + scale + ")";
```

```
        var oldTransformValue = elmt.style[transformProperty];
```

```
        var scaleReg = new RegExp(/\s*scale\(.*\)/g);
```

```
        var newTransformValue = BuildNewCss(oldTransformValue, [scaleReg],
transformValue);
```

```
        elmt.style[transformProperty] = newTransformValue;
```

```
    }
```

```
}
```

```
};
```

```
_This.$EnableHWA = function (elmt) {
```

```
    if (!elmt.style[GetTransformProperty(elmt)] || elmt.style[GetTransformProperty(elmt)]
== "none")
```

```
        elmt.style[GetTransformProperty(elmt)] = "perspective(2000px)";
```

```
};
```

```
_This.$DisableHWA = function (elmt) {
```

```
    //if (force || elmt.style[GetTransformProperty(elmt)] == "perspective(2000px)")
```

```
        elmt.style[GetTransformProperty(elmt)] = "none";
```

```
};
```

```

var ie8OffsetWidth = 0;
var ie8OffsetHeight = 0;
//var ie8WindowResizeCallbackHandlers;
//var ie8LastVerticalScrollbar;
//var toggleInfo = "";

//function ie8WindowResizeFilter(window, handler) {

//    var trigger = true;

//    var checkElement = (IsBrowserIeQuirks() ? window.document.body :
window.document.documentElement);
//    if (checkElement) {
//        //check vertical bar
//        //var hasVerticalBar = checkElement.scrollHeight > checkElement.clientHeight;
//        //var verticalBarToggle = hasVerticalBar != ie8LastVerticalScrollbar;
//        //ie8LastVerticalScrollbar = hasVerticalBar;

//        var widthChange = checkElement.offsetWidth - ie8OffsetWidth;
//        var heightChange = checkElement.offsetHeight - ie8OffsetHeight;
//        if (widthChange || heightChange) {

//            ie8OffsetWidth += widthChange;
//            ie8OffsetHeight += heightChange;
//        }
//        else
//            trigger = false;
//    }

//    trigger && handler();
//}

```

```

//_This.$OnWindowResize = function (window, handler) {

//  if (IsBrowserIE() && browserEngineVersion < 9) {
//    if (!ie8WindowResizeCallbackHandlers) {
//      ie8WindowResizeCallbackHandlers = [handler];
//      handler = _This.$CreateCallback(null, ie8WindowResizeFilter, window);
//    }
//    else {
//      ie8WindowResizeCallbackHandlers.push(handler);
//      return;
//    }
//  }

//  _This.$AddEvent(window, "resize", handler);
//};

_This.$WindowResizeFilter = function (window, handler) {
  return IsBrowserIe9Earlier() ? function () {

    var trigger = true;

    var checkElement = (IsBrowserIeQuirks() ? window.document.body :
window.document.documentElement);

    if (checkElement) {
      //check vertical bar

      //var hasVerticalBar = checkElement.scrollHeight > checkElement.clientHeight;

      //var verticalBarToggle = hasVerticalBar != ie8LastVerticalScrollbar;
      //ie8LastVerticalScrollbar = hasVerticalBar;

      var widthChange = checkElement.offsetWidth - ie8OffsetWidth;
      var heightChange = checkElement.offsetHeight - ie8OffsetHeight;

```



```

        if (widthChange || heightChange) {
            ie8OffsetWidth += widthChange;
            ie8OffsetHeight += heightChange;
        }
        else
            trigger = false;
    }

    trigger && handler();

} : handler;
};

_This.$MouseOverOutFilter = function (handler, target) {
    /// <param name="target" type="HTMLDomElement">
    ///     The target element to detect mouse over/out events. (for ie < 9 compatibility)
    /// </param>

    $JssorDebug$.Execute(function () {
        if (!target) {
            throw new Error("Null reference, parameter \"target\".");
        }
    });

    return function (event) {
        event = GetEvent(event);

        var eventName = event.type;

        var related = event.relatedTarget || (eventName == "mouseout" ? event.toElement :
event.fromElement);

        if (!related || (related !== target && !_This.$IsChild(target, related))) {

```

```

        handler(event);
    }
};

};

_This.$AddEvent = function (elmt, eventName, handler, useCapture) {
    elmt = _This.$GetElement(elmt);

    // technique from:
    // http://blog.paranoidferret.com/index.php/2007/08/10/javascript-working-with-events/

    if (elmt.addEventListener) {
        if (eventName == "mousewheel") {
            elmt.addEventListener("DOMMouseScroll", handler, useCapture);
        }
        // we are still going to add the mousewheel -- not a mistake!
        // _This is for opera, since it uses onmousewheel but needs addEventListener.
        elmt.addEventListener(eventName, handler, useCapture);
    }
    else if (elmt.attachEvent) {
        elmt.attachEvent("on" + eventName, handler);
        if (useCapture && elmt.setCapture) {
            elmt.setCapture();
        }
    }

    $JssorDebug$. $Execute(function () {
        if (!elmt.addEventListener && !elmt.attachEvent) {
            $JssorDebug$. $Fail("Unable to attach event handler, no known technique.");
        }
    });
};

```

```

};

_This.$RemoveEvent = function (elmt, eventName, handler, useCapture) {
    elmt = _This.$GetElement(elmt);

    // technique from:
    // http://blog.paranoidferret.com/index.php/2007/08/10/javascript-working-with-events/

    if (elmt.removeEventListener) {
        if (eventName == "mousewheel") {
            elmt.removeEventListener("DOMMouseScroll", handler, useCapture);
        }
        // we are still going to remove the mousewheel -- not a mistake!
        // _This is for opera, since it uses onmousewheel but needs removeEventListener.
        elmt.removeEventListener(eventName, handler, useCapture);
    }
    else if (elmt.detachEvent) {
        elmt.detachEvent("on" + eventName, handler);
        if (useCapture && elmt.releaseCapture) {
            elmt.releaseCapture();
        }
    }
};

_This.$FireEvent = function (elmt, eventName) {
    //var document = elmt.document;

    $JssorDebug$.Execute(function () {
        if (!document.createEvent && !document.createEventObject) {
            $JssorDebug$.Fail("Unable to fire event, no known technique.");
        }
    })
};

```

```

    if (!elmt.dispatchEvent && !elmt.fireEvent) {
        $JssorDebug$.Fail("Unable to fire event, no known technique.");
    }
});

var evento;

if (document.createEvent) {
    evento = document.createEvent("HTMLEvents");
    evento.initEvent(eventName, false, false);
    elmt.dispatchEvent(evento);
}
else {
    var ieEventName = "on" + eventName;
    evento = document.createEventObject();
    //event.eventType = ieEventName;
    //event.eventName = ieEventName;

    elmt.fireEvent(ieEventName, evento);
}
};

_This.$AddEventBrowserMouseUp = function (handler, userCapture) {
    _This.$AddEvent((IsBrowserIe9Earlier()) ? document : window, "mouseup", handler,
userCapture);
};

_This.$RemoveEventBrowserMouseUp = function (handler, userCapture) {
    _This.$RemoveEvent((IsBrowserIe9Earlier()) ? document : window, "mouseup",
handler, userCapture);
};

```

```

//_This.$AddEventBrowserMouseDown = function (handler, userCapture) {
//  _This.$AddEvent((IsBrowserIe9Earlier()) ? document : window, "mousedown",
handler, userCapture);
//};

//_This.$RemoveEventBrowserMouseDown = function (handler, userCapture) {
//  _This.$RemoveEvent((IsBrowserIe9Earlier()) ? document : window, "mousedown",
handler, userCapture);
//};

_This.$CancelEvent = function (event) {
    event = GetEvent(event);

    // technique from:
    // http://blog.paranoidferret.com/index.php/2007/08/10/javascript-working-with-events/

    if (event.preventDefault) {
        event.preventDefault(); // W3C for preventing default
    }

    event.cancel = true; // legacy for preventing default
    event.returnValue = false; // IE for preventing default
};

_This.$StopEvent = function (event) {
    event = GetEvent(event);

    // technique from:
    // http://blog.paranoidferret.com/index.php/2007/08/10/javascript-working-with-events/

    if (event.stopPropagation) {
        event.stopPropagation(); // W3C for stopping propagation
    }
}

```

```

    }

    event.cancelBubble = true;    // IE for stopping propagation
};

_This.$CreateCallback = function (object, method) {
    // create callback args
    var initialArgs = [].slice.call(arguments, 2);

    // create closure to apply method
    var callback = function () {
        // concatenate new args, but make a copy of initialArgs first
        var args = initialArgs.concat([].slice.call(arguments, 0));

        return method.apply(object, args);
    };

    // $JssorDebug$.LiveStamp(callback, "callback_" + ($Jssor$.GetNow() &
    0xFFFFFFF));

    return callback;
};

var _Freeer;
_This.$FreeElement = function (elmt) {
    if (!_Freeer)
        _Freeer = _This.$CreateDiv();

    if (elmt) {
        $Jssor$.AppendChild(_Freeer, elmt);
        $Jssor$.ClearInnerHTML(_Freeer);
    }
}

```

```
};
```

```
_This.$InnerText = function (elmt, text) {  
  if (text == undefined)  
    return elmt.textContent || elmt.innerText;  
  
  var textNode = document.createTextNode(text);  
  _This.$ClearInnerHtml(elmt);  
  elmt.appendChild(textNode);  
};
```

```
_This.$InnerHtml = function (elmt, html) {  
  if (html == undefined)  
    return elmt.innerHTML;  
  
  elmt.innerHTML = html;  
};
```

```
_This.$GetClientRect = function (elmt) {  
  var rect = elmt.getBoundingClientRect();  
  
  return { x: rect.left, y: rect.top, w: rect.right - rect.left, h: rect.bottom - rect.top };  
};
```

```
_This.$ClearInnerHtml = function (elmt) {  
  elmt.innerHTML = "";  
};
```

```
_This.$EncodeHtml = function (text) {  
  var div = _This.$CreateDiv();  
  _This.$InnerText(div, text);  
  return _This.$InnerHtml(div);  
};
```

```
};
```

```
_This.$DecodeHtml = function (html) {  
    var div = _This.$CreateDiv();  
    _This.$InnerHTML(div, html);  
    return _This.$InnerText(div);  
};
```

```
_This.$SelectElement = function (elmt) {  
    var userSelection;  
    if (window.getSelection) {  
        //W3C default  
        userSelection = window.getSelection();  
    }  
    var theRange = null;  
    if (document.createRange) {  
        theRange = document.createRange();  
        theRange.selectNode(elmt);  
    }  
    else {  
        theRange = document.body.createTextRange();  
        theRange.moveToElementText(elmt);  
        theRange.select();  
    }  
    //set user selection  
    if (userSelection)  
        userSelection.addRange(theRange);  
};
```

```
_This.$DeselectElements = function () {  
    if (document.selection) {  
        document.selection.empty();
```



```

    } else if (window.getSelection) {
        window.getSelection().removeAllRanges();
    }
};

_This.$Children = function (elmt) {
    var children = [];

    for (var tmpEl = elmt.firstChild; tmpEl; tmpEl = tmpEl.nextSibling) {
        if (tmpEl.nodeType == 1) {
            children.push(tmpEl);
        }
    }

    return children;
};

function FindChild(elmt, attrValue, noDeep, attrName) {
    attrName = attrName || "u";

    for (elmt = elmt ? elmt.firstChild : null; elmt; elmt = elmt.nextSibling) {
        if (elmt.nodeType == 1) {
            if (AttributeEx(elmt, attrName) == attrValue)
                return elmt;

            if (!noDeep) {
                var childRet = FindChild(elmt, attrValue, noDeep, attrName);
                if (childRet)
                    return childRet;
            }
        }
    }
}

```

```
}
```

```
_This.$FindChild = FindChild;
```

```
function FindChildren(elmt, attrValue, noDeep, attrName) {
```

```
    attrName = attrName || "u";
```

```
    var ret = [];
```

```
    for (elmt = elmt ? elmt.firstChild : null; elmt; elmt = elmt.nextSibling) {
```

```
        if (elmt.nodeType == 1) {
```

```
            if (AttributeEx(elmt, attrName) == attrValue)
```

```
                ret.push(elmt);
```

```
            if (!noDeep) {
```

```
                var childRet = FindChildren(elmt, attrValue, noDeep, attrName);
```

```
                if (childRet.length)
```

```
                    ret = ret.concat(childRet);
```

```
            }
```

```
        }
```

```
    }
```

```
    return ret;
```

```
}
```

```
_This.$FindChildren = FindChildren;
```

```
function FindChildByTag(elmt, tagName, noDeep) {
```

```
    for (elmt = elmt ? elmt.firstChild : null; elmt; elmt = elmt.nextSibling) {
```

```
        if (elmt.nodeType == 1) {
```

```
            if (elmt.tagName == tagName)
```

Nigel Hopkins (30026387)

```

        return elmt;

    if (!noDeep) {
        var childRet = FindChildByTag(elmt, tagName, noDeep);
        if (childRet)
            return childRet;
    }
}

}

}

}

_This.$FindChildByTag = FindChildByTag;

function FindChildrenByTag(elmt, tagName, noDeep) {
    var ret = [];

    for (elmt = elmt ? elmt.firstChild : null; elmt; elmt = elmt.nextSibling) {
        if (elmt.nodeType == 1) {
            if (!tagName || elmt.tagName == tagName)
                ret.push(elmt);

            if (!noDeep) {
                var childRet = FindChildrenByTag(elmt, tagName, noDeep);
                if (childRet.length)
                    ret = ret.concat(childRet);
            }
        }
    }

    return ret;
}

```

```

_This.$FindChildrenByTag = FindChildrenByTag;

_This.$GetElementsByTag = function (elmt, tagName) {
    return elmt.getElementsByTagName(tagName);
};

function Extend(target) {
    for (var i = 1; i < arguments.length; i++) {

        var options = arguments[i];

        // Only deal with non-null/undefined values
        if (options) {
            // Extend the base object
            for (var name in options) {
                target[name] = options[name];
            }
        }
    }

    // Return the modified object
    return target;
}

_This.$Extend = Extend;

function Unextend(target, options) {
    $JssorDebug$.Assert(options);

    var unextended = {};

    // Extend the base object

```

```

    for (var name in target) {
        if (target[name] !== options[name]) {
            unextended[name] = target[name];
        }
    }

    // Return the modified object
    return unextended;
}

_This.$Unextend = Unextend;

_This.$IsUndefined = function (obj) {
    return type(obj) == "undefined";
};

_This.$IsFunction = function (obj) {
    return type(obj) == "function";
};

_This.$IsArray = function (obj) {
    return type(obj) == "array";
};

_This.$IsString = function (obj) {
    return type(obj) == "string";
};

_This.$IsNumeric = function (obj) {
    return !isNaN(parseFloat(obj)) && isFinite(obj);
};

```

```

_This.$IsWindow = function (obj) {
    return obj && obj == obj.window;
};

_This.$Type = type;

// args is for internal usage only
_This.$Each = each;

_This.$IsPlainObject = isPlainObject;

function CreateElement(tagName) {
    return document.createElement(tagName);
}

_This.$CreateElement = CreateElement;

_This.$CreateDiv = function () {
    return CreateElement("DIV", document);
};

_This.$CreateSpan = function () {
    return CreateElement("SPAN", document);
};

_This.$EmptyFunction = function () { };

function Attribute(elmt, name, value) {
    if (value == undefined)
        return elmt.getAttribute(name);

    elmt.setAttribute(name, value);
}

```

```
}
```

```
function AttributeEx(elmt, name) {  
    return Attribute(elmt, name) || Attribute(elmt, "data-" + name);  
}
```

```
_This.$Attribute = Attribute;  
_This.$AttributeEx = AttributeEx;
```

```
function ClassName(elmt, className) {  
    if (className == undefined)  
        return elmt.className;  
  
    elmt.className = className;  
}
```

```
_This.$ClassName = ClassName;
```

```
function ToHash(array) {  
    var hash = {};  
  
    each(array, function (item) {  
        hash[item] = item;  
    });  
  
    return hash;  
}
```

```
_This.$ToHash = ToHash;
```

```
function Join(separator, strings) {  
    /// <param name="separator" type="String">
```

```

    ///      The element to show the dialog around
    /// </param>
    /// <param name="strings" type="Array" value="['1']">
    ///      The element to show the dialog around
    /// </param>

    var joined = "";

    each(strings, function (str) {
        joined && (joined += separator);
        joined += str;
    });

    return joined;
}

_This.$Join = Join;

_This.$AddClass = function (elmt, className) {
    var newClassName = ClassName(elmt) + " " + className;
    ClassName(elmt, Join(" ",
    ToHash(newClassName.match(REGEX_WHITESPACE_GLOBAL))));
};

_This.$RemoveClass = function (elmt, className) {
    ClassName(elmt, Join(" ",
    _This.$Unextend(ToHash(ClassName(elmt).match(REGEX_WHITESPACE_GLOBAL)),
    ToHash(className.match(REGEX_WHITESPACE_GLOBAL))));
};

_This.$ParentNode = function (elmt) {
    return elmt.parentNode;
};

```



```
_This.$HideElement = function (elmt) {  
    _This.$CssDisplay(elmt, "none");  
};
```

```
_This.$EnableElement = function (elmt, notEnable) {  
    if (notEnable) {  
        _This.$Attribute(elmt, "disabled", true);  
    }  
    else {  
        _This.$RemoveAttribute(elmt, "disabled");  
    }  
};
```

```
_This.$HideElements = function (elmts) {  
    for (var i = 0; i < elmts.length; i++) {  
        _This.$HideElement(elmts[i]);  
    }  
};
```

```
_This.$ShowElement = function (elmt, hide) {  
    _This.$CssDisplay(elmt, hide ? "none" : "");  
};
```

```
_This.$ShowElements = function (elmts, hide) {  
    for (var i = 0; i < elmts.length; i++) {  
        _This.$ShowElement(elmts[i], hide);  
    }  
};
```

```
_This.$RemoveAttribute = function (elmt, attrbuteName) {  
    elmt.removeAttribute(attrbuteName);
```

```

};

_This.$CanClearClip = function () {
    return IsBrowserIE() && browserRuntimeVersion < 10;
};

_This.$SetStyleClip = function (elmt, clip) {
    if (clip) {
        elmt.style.clip = "rect(" + Math.round(clip.$Top) + "px " + Math.round(clip.$Right) +
"px " + Math.round(clip.$Bottom) + "px " + Math.round(clip.$Left) + "px)";
    }
    else {
        var cssText = elmt.style.cssText;
        var clipRegs = [
            new RegExp(/\s*clip: rect\(. *?\)[;]?/i),
            new RegExp(/\s*cliptop: . *?[/;]?/i),
            new RegExp(/\s*clipright: . *?[/;]?/i),
            new RegExp(/\s*clipbottom: . *?[/;]?/i),
            new RegExp(/\s*clipleft: . *?[/;]?/i)
        ];

        var newCssText = BuildNewCss(cssText, clipRegs, "");

        $Jssor$. $CssCssText(elmt, newCssText);
    }
};

_This.$GetNow = function () {
    return new Date().getTime();
};

_This.$AppendChild = function (elmt, child) {

```

```
    elmt.appendChild(child);  
};
```

```
_This.$AppendChildren = function (elmt, children) {  
    each(children, function (child) {  
        _This.$AppendChild(elmt, child);  
    });  
};
```

```
_This.$InsertBefore = function (elmt, child, refObject) {  
    elmt.insertBefore(child, refObject);  
};
```

```
_This.$InsertAdjacentHtml = function (elmt, where, text) {  
    elmt.insertAdjacentHTML(where, text);  
};
```

```
_This.$RemoveChild = function (elmt, child) {  
    elmt.removeChild(child);  
};
```

```
_This.$RemoveChildren = function (elmt, children) {  
    each(children, function (child) {  
        _This.$RemoveChild(elmt, child);  
    });  
};
```

```
_This.$ClearChildren = function (elmt) {  
    _This.$RemoveChildren(elmt, _This.$Children(elmt));  
};
```

```
_This.$ParseInt = function (str, radix) {
```

```

    return parseInt(str, radix || 10);
};

function ParseFloat(str) {
    return parseFloat(str);
}

_This.$ParseFloat = ParseFloat;

_This.$IsChild = function (elmtA, elmtB) {
    var body = document.body;
    while (elmtB && elmtA != elmtB && body != elmtB) {
        try {
            elmtB = elmtB.parentNode;
        } catch (e) {
            // Firefox sometimes fires events for XUL elements, which throws
            // a "permission denied" error. so this is not a child.
            return false;
        }
    }
    return elmtA == elmtB;
};

function CloneNode(elmt, noDeep) {
    return elmt.cloneNode(!noDeep);
}

_This.$CloneNode = CloneNode;

function TranslateTransition(transition) {
    if (transition) {
        var flyDirection = transition.$FlyDirection;

```

```

    if (flyDirection & 1) {
        transition.x = transition.$ScaleHorizontal || 1;
    }
    if (flyDirection & 2) {
        transition.x = -transition.$ScaleHorizontal || -1;
    }
    if (flyDirection & 4) {
        transition.y = transition.$ScaleVertical || 1;
    }
    if (flyDirection & 8) {
        transition.y = -transition.$ScaleVertical || -1;
    }

    if (transition.$Rotate == true)
        transition.$Rotate = 1;

    TranslateTransition(transition.$Brother);
}
}

```

```

_This.$TranslateTransitions = function (transitions) {
    /// <summary>
    ///     For backward compatibility only.
    /// </summary>
    if (transitions) {
        for (var i = 0; i < transitions.length; i++) {
            TranslateTransition(transitions[i]);
        }
        for (var name in transitions) {
            TranslateTransition(transitions[name]);
        }
    }
}

```

```

    }
};

//function ImageLoader() {
//  var _ThisImageLoader = this;
//  var _BaseImageLoader = _This.$Inherit(_ThisImageLoader, $JssorObject$);

//  var _ImageLoading = 1;
//  var _MainImageSrc;
//  var _MainImage;
//  var _CompleteCallback;
//  var _MainImageAbort;

//  function LoadCompleteCallback(image, abort) {
//    _ImageLoading--;

//    if (image) {
//      _This.$RemoveEvent(image, "load");
//      _This.$RemoveEvent(image, "abort");
//      _This.$RemoveEvent(image, "error");

//      if (_MainImageSrc == image.src) {
//        _MainImage = image;
//        _MainImageAbort = abort;
//      }
//    }

//    _CompleteCallback && _CompleteCallback(_MainImage, _MainImageAbort);
//  }

//  function LoadImage(src) {
//    _ImageLoading++;

```

```

//    if (IsBrowserOpera() && browserRuntimeVersion < 11.6 || !src) {
//        LoadImageCallback(callback, null, !src);
//    }
//    else {
//        var image = new Image();

//        _This.$AddEvent(image, "load", _This.$CreateCallback(null,
LoadImageCallback, image, false));

//        var abortHandler = _This.$CreateCallback(null, LoadImageCallback, image,
true);
//        _This.$AddEvent(image, "abort", abortHandler);
//        _This.$AddEvent(image, "error", abortHandler);

//        image.src = src;
//    }
// }

// _ThisImageLoader.$LoadImage = function (src, callback) {
//     _MainImageSrc = src;
//     _CompleteCallback = callback;

//     LoadImage(src);
//     LoadComplete();
// };

// _ThisImageLoader.$LoadImages = function (imageElmts, mainImageElmt, callback) {
//     mainImageElmt && (_MainImageSrc = mainImageElmt.src);
//     _CompleteCallback = callback;

//     each(imageElmts, function (imageElmt) {

```

```

//      LoadImage(imageElmt.src);
//    });
//    LoadComplete();
//  };
//}

_This.$LoadImage = function (src, callback) {
  var image = new Image();

  function LoadImageCompleteHandler(abort) {
    _This.$RemoveEvent(image, "load", LoadImageCompleteHandler);
    _This.$RemoveEvent(image, "abort", ErrorOrAbortHandler);
    _This.$RemoveEvent(image, "error", ErrorOrAbortHandler);

    if (callback)
      callback(image, abort);
  }

  function ErrorOrAbortHandler() {
    LoadImageCompleteHandler(true);
  }

  if (IsBrowserOpera() && browserRuntimeVersion < 11.6 || !src) {
    LoadImageCompleteHandler(!src);
  }
  else {

    _This.$AddEvent(image, "load", LoadImageCompleteHandler);
    _This.$AddEvent(image, "abort", ErrorOrAbortHandler);
    _This.$AddEvent(image, "error", ErrorOrAbortHandler);

    image.src = src;
  }
}

```



```

    }
};

_This.$LoadImages = function (imageElmts, mainImageElmt, callback) {

    var _ImageLoading = imageElmts.length + 1;

    function LoadImageCompleteEventHandler(image, abort) {
        _ImageLoading--;
        if (mainImageElmt && image && image.src == mainImageElmt.src)
            mainImageElmt = image;
        !_ImageLoading && callback && callback(mainImageElmt);
    }

    each(imageElmts, function (imageElmt) {
        _This.$LoadImage(imageElmt.src, LoadImageCompleteEventHandler);
    });

    LoadImageCompleteEventHandler();
};

_This.$BuildElement = function (template, tagName, replacer, createCopy) {
    if (createCopy)
        template = CloneNode(template);

    var templateHolders = FindChildren(template, tagName);
    if (!templateHolders.length)
        templateHolders = $Jssor$.GetElementsByTag(template, tagName);

    for (var j = templateHolders.length - 1; j > -1; j--) {
        var templateHolder = templateHolders[j];
        var replaceItem = CloneNode(replacer);

```

```

ClassName(replaceItem, ClassName(templateHolder));
$Jssor$. $CssCssText(replaceItem, templateHolder.style.cssText);

var thumbnailPlaceHolderParent = $Jssor$. $ParentNode(templateHolder);
$Jssor$. $InsertBefore(thumbnailPlaceHolderParent, replaceItem, templateHolder);
$Jssor$. $RemoveChild(thumbnailPlaceHolderParent, templateHolder);
}

return template;
};

var _MouseDownButtons;
function JssorButtonEx(elmt) {
    var _Self = this;

    var _OriginClassName;

    var _IsMouseDown; //class name 'dn'
    var _IsActive;    //class name 'av'
    var _IsDisabled;  //class name 'ds'

    function Highlight() {
        var className = _OriginClassName;

        if (_IsDisabled) {
            className += 'ds';
        }
        else if (_IsMouseDown) {
            className += 'dn';
        }
        else if (_IsActive) {
            className += "av";

```

```

    }

    ClassName(elmt, className);
}

function OnMouseDown(event) {
    if (_IsDisabled) {
        _This.$CancelEvent(event);
    }
    else {
        _MouseDownButtons.push(_Self);

        _IsMouseDown = true;

        Highlight();
    }
}

_Self.$MouseUp = function () {
    ///    <summary>
    ///        Internal member function, do not use it.
    ///    </summary>
    ///    <private />

    _IsMouseDown = false;

    Highlight();
};

_Self.$Activate = function (activate) {
    if (activate !== undefined) {
        _IsActive = activate;
    }
}

```

```

        Highlight();
    }
    else {
        return _IsActive;
    }
};

```

```

_Self.$Enable = function (enable) {
    if (enable !== undefined) {
        _IsDisabled = !enable;

        Highlight();
    }
    else {
        return !_IsDisabled;
    }
};

```

//JssorButtonEx Constructor

```

{
    elmt = _This.$GetElement(elmt);

    if (!_MouseDownButtons) {
        _This.$AddEventBrowserMouseUp(function () {
            var oldMouseDownButtons = _MouseDownButtons;
            _MouseDownButtons = [];

            each(oldMouseDownButtons, function (button) {
                button.$MouseUp();
            });
        });
    }
};

```

```

        _MouseDownButtons = [];
    }

    _OriginClassName = ClassName(elmt);

    $Jssor$.AddEvent(elmt, "mousedown", OnMouseDown);
}
}

_This.$Buttonize = function (elmt) {
    return new JssorButtonEx(elmt);
};

_This.$Css = Css;
_This.$CssN = CssN;
_This.$CssP = CssP;

_This.$CssOverflow = CssProxy("overflow");

_This.$CssTop = CssProxy("top", 2);
_This.$CssLeft = CssProxy("left", 2);
_This.$CssWidth = CssProxy("width", 2);
_This.$CssHeight = CssProxy("height", 2);
_This.$CssMarginLeft = CssProxy("marginLeft", 2);
_This.$CssMarginTop = CssProxy("marginTop", 2);
_This.$CssPosition = CssProxy("position");
_This.$CssDisplay = CssProxy("display");
_This.$CssZIndex = CssProxy("zIndex", 1);
_This.$CssFloat = function (elmt, float) {
    return Css(elmt, IsBrowserIE() ? "styleFloat" : "cssFloat", float);
};

```

```

_This.$CssOpacity = function (elmt, opacity, ie9EarlierForce) {
    if (opacity !== undefined) {
        SetStyleOpacity(elmt, opacity, ie9EarlierForce);
    }
    else {
        return GetStyleOpacity(elmt);
    }
};

```

```

_This.$CssCssText = function (elmt, text) {
    if (text !== undefined) {
        elmt.style.cssText = text;
    }
    else {
        return elmt.style.cssText;
    }
};

```

```

var _StyleGetter = {
    $Opacity: _This.$CssOpacity,
    $Top: _This.$CssTop,
    $Left: _This.$CssLeft,
    $Width: _This.$CssWidth,
    $Height: _This.$CssHeight,
    $Position: _This.$CssPosition,
    $Display: _This.$CssDisplay,
    $ZIndex: _This.$CssZIndex
};

```

```

var _StyleSetterReserved;

```

```

function StyleSetter() {

```

```

if (!_StyleSetterReserved) {
    _StyleSetterReserved = Extend({
        $MarginTop: _This.$CssMarginTop,
        $MarginLeft: _This.$CssMarginLeft,
        $Clip: _This.$SetStyleClip,
        $Transform: _This.$SetStyleTransform
    }, _StyleGetter);
}
return _StyleSetterReserved;
}

function StyleSetterEx() {
    StyleSetter();

    //For Compression Only
    _StyleSetterReserved.$Transform = _StyleSetterReserved.$Transform;

    return _StyleSetterReserved;
}

_This.$StyleSetter = StyleSetter;

_This.$StyleSetterEx = StyleSetterEx;

_This.$GetStyles = function (elmt, originStyles) {
    StyleSetter();

    var styles = { };

    each(originStyles, function (value, key) {
        if (_StyleGetter[key]) {
            styles[key] = _StyleGetter[key](elmt);
        }
    });
}

```

```

    }
  });

  return styles;
};

_This.$SetStyles = function (elmt, styles) {
  var styleSetter = StyleSetter();

  each(styles, function (value, key) {
    styleSetter[key] && styleSetter[key](elmt, value);
  });
};

_This.$SetStylesEx = function (elmt, styles) {
  StyleSetterEx();

  _This.$SetStyles(elmt, styles);
};

$JssorMatrix$ = new function () {
  var _ThisMatrix = this;

  function Multiply(ma, mb) {
    var acs = ma[0].length;
    var rows = ma.length;
    var cols = mb[0].length;

    var matrix = [];

    for (var r = 0; r < rows; r++) {
      var row = matrix[r] = [];

```



```

    for (var c = 0; c < cols; c++) {
        var unitValue = 0;

        for (var ac = 0; ac < acs; ac++) {
            unitValue += ma[r][ac] * mb[ac][c];
        }

        row[c] = unitValue;
    }
}

return matrix;
}

_ThisMatrix.$ScaleX = function (matrix, sx) {
    return _ThisMatrix.$ScaleXY(matrix, sx, 0);
};

_ThisMatrix.$ScaleY = function (matrix, sy) {
    return _ThisMatrix.$ScaleXY(matrix, 0, sy);
};

_ThisMatrix.$ScaleXY = function (matrix, sx, sy) {
    return Multiply(matrix, [[sx, 0], [0, sy]]);
};

_ThisMatrix.$TransformPoint = function (matrix, p) {
    var pMatrix = Multiply(matrix, [[p.x], [p.y]]);

    return Point(pMatrix[0][0], pMatrix[1][0]);
};
};

```

```

    _This.$CreateMatrix = function (alpha, scaleX, scaleY) {
        var cos = Math.cos(alpha);
        var sin = Math.sin(alpha);
        //var r11 = cos;
        //var r21 = sin;
        //var r12 = -sin;
        //var r22 = cos;

        //var m11 = cos * scaleX;
        //var m12 = -sin * scaleY;
        //var m21 = sin * scaleX;
        //var m22 = cos * scaleY;

        return [[cos * scaleX, -sin * scaleY], [sin * scaleX, cos * scaleY]];
    };

    _This.$GetMatrixOffset = function (matrix, width, height) {
        var p1 = $JssorMatrix$.TransformPoint(matrix, Point(-width / 2, -height / 2));
        var p2 = $JssorMatrix$.TransformPoint(matrix, Point(width / 2, -height / 2));
        var p3 = $JssorMatrix$.TransformPoint(matrix, Point(width / 2, height / 2));
        var p4 = $JssorMatrix$.TransformPoint(matrix, Point(-width / 2, height / 2));

        return Point(Math.min(p1.x, p2.x, p3.x, p4.x) + width / 2, Math.min(p1.y, p2.y, p3.y,
p4.y) + height / 2);
    };

    _This.$Transform = function (fromStyles, toStyles, interPosition, easings, durings, rounds,
options) {

        var currentStyles = toStyles;

```

```

if (fromStyles) {
    currentStyles = { };

    for (var key in toStyles) {
        var round = rounds[key] || 1;
        var during = durings[key] || [0, 1];
        var propertyInterPosition = (interPosition - during[0]) / during[1];
        propertyInterPosition = Math.min(Math.max(propertyInterPosition, 0), 1);
        propertyInterPosition = propertyInterPosition * round;
        var floorPosition = Math.floor(propertyInterPosition);
        if (propertyInterPosition != floorPosition)
            propertyInterPosition -= floorPosition;

        var easing = easings[key] || easings.$Default;
        var easingValue = easing(propertyInterPosition);
        var currentPropertyValue;
        var value = fromStyles[key];
        var toValue = toStyles[key];

        if ($Jssor$.IsNumeric(toValue)) {
            currentPropertyValue = value + (toValue - value) * easingValue;
        }
        else {
            currentPropertyValue = $Jssor$.Extend({ $Offset: { } }, fromStyles[key]);

            $Jssor$.Each(toValue.$Offset, function (rectX, n) {
                var offsetValue = rectX * easingValue;
                currentPropertyValue.$Offset[n] = offsetValue;
                currentPropertyValue[n] += offsetValue;
            });
        }
        currentStyles[key] = currentPropertyValue;
    }
}

```

```

    }

    if (fromStyles.$Zoom) {
        currentStyles.$Transform = { $Rotate: currentStyles.$Rotate || 0, $Scale:
currentStyles.$Zoom, $OriginalWidth: options.$OriginalWidth, $OriginalHeight:
options.$OriginalHeight };
    }
}

if (toStyles.$Clip && options.$Move) {
    var styleFrameNClipOffset = currentStyles.$Clip.$Offset;

    var offsetY = (styleFrameNClipOffset.$Top || 0) + (styleFrameNClipOffset.$Bottom ||
0);
    var offsetX = (styleFrameNClipOffset.$Left || 0) + (styleFrameNClipOffset.$Right ||
0);

    currentStyles.$Left = (currentStyles.$Left || 0) + offsetX;
    currentStyles.$Top = (currentStyles.$Top || 0) + offsetY;
    currentStyles.$Clip.$Left -= offsetX;
    currentStyles.$Clip.$Right -= offsetX;
    currentStyles.$Clip.$Top -= offsetY;
    currentStyles.$Clip.$Bottom -= offsetY;
}

if (currentStyles.$Clip && $Jssor$.CanClearClip() && !currentStyles.$Clip.$Top &&
!currentStyles.$Clip.$Left && (currentStyles.$Clip.$Right == options.$OriginalWidth) &&
(currentStyles.$Clip.$Bottom == options.$OriginalHeight))
    currentStyles.$Clip = null;

return currentStyles;
};
};

```

```

//JssorObject$
var $JssorObject$ = window.$JssorObject$ = function () {
    var _ThisObject = this;
    // Fields

    var _Listeners = []; // dictionary of eventName --> array of handlers
    var _Listenees = [];

    // Private Methods
    function AddListener(eventName, handler) {

        $JssorDebug$.Execute(function () {
            if (eventName == undefined || eventName == null)
                throw new Error("param 'eventName' is null or empty.");

            if (typeof (handler) != "function") {
                throw "param 'handler' must be a function.";
            }

            $Jssor$.Each(_Listeners, function (listener) {
                if (listener.$EventName == eventName && listener.$Handler === handler) {
                    throw new Error("The handler listened to the event already, cannot listen to the
same event of the same object with the same handler twice.");
                }
            });
        });

        _Listeners.push({ $EventName: eventName, $Handler: handler });
    }

    function RemoveListener(eventName, handler) {

```

```

$JssorDebug$.Execute(function () {
    if (eventName == undefined || eventName == null)
        throw new Error("param 'eventName' is null or empty.");

    if (typeof (handler) != "function") {
        throw "param 'handler' must be a function.";
    }
});

$Jssor$.Each(_Listeners, function (listener, index) {
    if (listener.$EventName == eventName && listener.$Handler === handler) {
        _Listeners.splice(index, 1);
    }
});

}

function ClearListeners() {
    _Listeners = [];
}

function ClearListenees() {
    $Jssor$.Each(_Listenees, function (listenee) {
        $Jssor$.RemoveEvent(listenee.$Obj, listenee.$EventName, listenee.$Handler);
    });

    _Listenees = [];
}

//Protected Methods
_ThisObject.$Listen = function (obj, eventName, handler, useCapture) {

```

```

$JssorDebug$.Execute(function () {
    if (!obj)
        throw new Error("param 'obj' is null or empty.");

    if (eventName == undefined || eventName == null)
        throw new Error("param 'eventName' is null or empty.");

    if (typeof (handler) != "function") {
        throw "param 'handler' must be a function.";
    }

    $Jssor$.Each(_Listenees, function (listenee) {
        if (listenee.$Obj === obj && listenee.$EventName == eventName &&
listenee.$Handler === handler) {
            throw new Error("The handler listened to the event already, cannot listen to the
same event of the same object with the same handler twice.");
        }
    });
});

$Jssor$.AddEvent(obj, eventName, handler, useCapture);
_Listenees.push({ $Obj: obj, $EventName: eventName, $Handler: handler });
};

```

```

_ThisObject.$Unlisten = function (obj, eventName, handler) {

```

```

$JssorDebug$.Execute(function () {
    if (!obj)
        throw new Error("param 'obj' is null or empty.");

    if (eventName == undefined || eventName == null)
        throw new Error("param 'eventName' is null or empty.");

```

```

        if (typeof (handler) !== "function") {
            throw "param 'handler' must be a function.";
        }
    });

    $Jssor$.Each(_Listenees, function (listenee, index) {
        if (listenee.$Obj === obj && listenee.$EventName == eventName &&
listenee.$Handler === handler) {
            $Jssor$.RemoveEvent(obj, eventName, handler);
            _Listenees.splice(index, 1);
        }
    });
};

_ThisObject.$UnlistenAll = ClearListenees;

// Public Methods
_ThisObject.$On = _ThisObject.addEventListener = AddListener;

_ThisObject.$Off = _ThisObject.removeEventListener = RemoveListener;

_ThisObject.$TriggerEvent = function (eventName) {

    var args = [].slice.call(arguments, 1);

    $Jssor$.Each(_Listeners, function (listener) {
        try {
            listener.$EventName == eventName && listener.$Handler.apply(window, args);
        } catch (e) {
            // handler threw an error, ignore, go on to next one
            $JssorDebug$.Error(e.name + " while executing " + eventName +

```



```

        " handler: " + e.message, e);
    }
});
};

_ThisObject.$Destroy = function () {
    ClearListenees();
    ClearListeners();

    for (var name in _ThisObject)
        delete _ThisObject[name];
};

$JssorDebug$. $C_AbstractClass(_ThisObject);
};

$JssorAnimator$ = function (delay, duration, options, elmt, fromStyles, toStyles) {
    delay = delay || 0;

    var _ThisAnimator = this;
    var _AutoPlay;
    var _Hiden;
    var _CombineMode;
    var _PlayToPosition;
    var _PlayDirection;
    var _NoStop;
    var _TimeStampLastFrame = 0;

    var _SubEasings;
    var _SubRounds;
    var _SubDurings;
    var _Callback;

```

```
var _Position_Current = 0;
```

```
var _Position_Display = 0;
```

```
var _Hooked;
```

```
var _Position_InnerBegin = delay;
```

```
var _Position_InnerEnd = delay + duration;
```

```
var _Position_OuterBegin;
```

```
var _Position_OuterEnd;
```

```
var _LoopLength;
```

```
var _NestedAnimators = [];
```

```
var _StyleSetter;
```

```
function GetPositionRange(position, begin, end) {
```

```
    var range = 0;
```

```
    if (position < begin)
```

```
        range = -1;
```

```
    else if (position > end)
```

```
        range = 1;
```

```
    return range;
```

```
}
```

```
function GetInnerPositionRange(position) {
```

```
    return GetPositionRange(position, _Position_InnerBegin, _Position_InnerEnd);
```

```
}
```

```
function GetOuterPositionRange(position) {
```

```
    return GetPositionRange(position, _Position_OuterBegin, _Position_OuterEnd);
```

Nigel Hopkins (30026387)

[377]

```
}
```

```
function Shift(offset) {  
    _Position_OuterBegin += offset;  
    _Position_OuterEnd += offset;  
    _Position_InnerBegin += offset;  
    _Position_InnerEnd += offset;  
  
    _Position_Current += offset;  
    _Position_Display += offset;  
  
    $Jssor$.Each(_NestedAnimators, function (animator) {  
        animator, animator.$Shift(offset);  
    });  
}
```

```
function Locate(position, relative) {  
    var offset = position - _Position_OuterBegin + delay * relative;  
  
    Shift(offset);  
  
    // $JssorDebug$.Execute(function () {  
    //     _ThisAnimator.$Position_InnerBegin = _Position_InnerBegin;  
    //     _ThisAnimator.$Position_InnerEnd = _Position_InnerEnd;  
    //     _ThisAnimator.$Position_OuterBegin = _Position_OuterBegin;  
    //     _ThisAnimator.$Position_OuterEnd = _Position_OuterEnd;  
    // });  
  
    return _Position_OuterEnd;  
}
```

```
function GoToPosition(positionOuter, force) {
```

```

var trimmedPositionOuter = positionOuter;

if (_LoopLength && (trimmedPositionOuter >= _Position_OuterEnd ||
trimmedPositionOuter <= _Position_OuterBegin)) {
    trimmedPositionOuter = ((trimmedPositionOuter - _Position_OuterBegin) %
_LoopLength + _LoopLength) % _LoopLength + _Position_OuterBegin;
}

if (!_Hooked || _NoStop || force || _Position_Current != trimmedPositionOuter) {

    var positionToDisplay = Math.min(trimmedPositionOuter, _Position_OuterEnd);
    positionToDisplay = Math.max(positionToDisplay, _Position_OuterBegin);

    if (!_Hooked || _NoStop || force || positionToDisplay != _Position_Display) {
        if (toStyles) {

            var interPosition = (positionToDisplay - _Position_InnerBegin) / (duration || 1);

            //if (options.$Optimize && $Jssor$.IsBrowserChrome() && duration) {
            //    interPosition = Math.round(interPosition / 8 * duration) * 8 / duration;
            //}

            if (options.$Reverse)
                interPosition = 1 - interPosition;

            var currentStyles = $Jssor$.Transform(fromStyles, toStyles, interPosition,
_SubEasings, _SubDurings, _SubRounds, options);

            $Jssor$.Each(currentStyles, function (value, key) {
                _StyleSetter[key] && _StyleSetter[key](elmt, value);
            });
        }
    }
}

```

```

        _ThisAnimator.$OnInnerOffsetChange(_Position_Display - _Position_InnerBegin,
positionToDisplay - _Position_InnerBegin);
    }

```

```

    _Position_Display = positionToDisplay;

```

```

    $Jssor$.Each(_NestedAnimators, function (animator, i) {
        var nestedAnimator = positionOuter < _Position_Current ?
_NestedAnimators[_NestedAnimators.length - i - 1] : animator;
        nestedAnimator.$GoToPosition(positionOuter, force);
    });

```

```

    var positionOld = _Position_Current;

```

```

    var positionNew = positionOuter;

```

```

    _Position_Current = trimmedPositionOuter;

```

```

    _Hooked = true;

```

```

    _ThisAnimator.$OnPositionChange(positionOld, positionNew);

```

```

    }

```

```

}

```

```

function Join(animator, combineMode) {

```

```

    /// <summary>

```

```

    ///         Combine another animator as nested animator

```

```

    /// </summary>

```

```

    /// <param name="animator" type="$JssorAnimator$" >

```

```

    ///         An instance of $JssorAnimator$

```

```

    /// </param>

```

```

    /// <param name="combineMode" type="int">

```

```

    ///         0: parallel - place the animator parallel to this animator.

```

```

    ///         1: chain - chain the animator at the _Position_InnerEnd of this animator.

```

```

    /// </param>
    $JssorDebug$.Execute(function () {
        if (combineMode !== 0 && combineMode !== 1)
            $JssorDebug$.Fail("Argument out of range, the value of 'combineMode' should be
either 0 or 1.");
        });

        if (combineMode)
            animator.$Locate(_Position_OuterEnd, 1);

        _Position_OuterEnd = Math.max(_Position_OuterEnd,
animator.$GetPosition_OuterEnd());
        _NestedAnimators.push(animator);
    }

    var RequestAnimationFrame = window.requestAnimationFrame
    || window.webkitRequestAnimationFrame
    || window.mozRequestAnimationFrame
    || window.msRequestAnimationFrame;

    if ($Jssor$.IsBrowserSafari() && $Jssor$.BrowserVersion() < 7) {
        RequestAnimationFrame = null;

        $JssorDebug$.Log("Custom animation frame for safari before 7.");
    }

    RequestAnimationFrame = RequestAnimationFrame || function (callback) {
        $Jssor$.Delay(callback, options.Interval);
    };

    function ShowFrame() {
        if (_AutoPlay) {

```

```

var now = $Jssor$.GetNow();
var timeOffset = Math.min(now - _TimeStampLastFrame, options.IntervalMax);
var timePosition = _Position_Current + timeOffset * _PlayDirection;
_TimeStampLastFrame = now;

if (timePosition * _PlayDirection >= _PlayToPosition * _PlayDirection)
    timePosition = _PlayToPosition;

GoToPosition(timePosition);

if (!_NoStop && timePosition * _PlayDirection >= _PlayToPosition *
_PlayDirection) {
    Stop(_Callback);
}
else {
    RequestAnimationFrame(ShowFrame);
}
}

function PlayToPosition(toPosition, callback, noStop) {
    if (!_AutoPlay) {
        _AutoPlay = true;
        _NoStop = noStop;
        _Callback = callback;
        toPosition = Math.max(toPosition, _Position_OuterBegin);
        toPosition = Math.min(toPosition, _Position_OuterEnd);
        _PlayToPosition = toPosition;
        _PlayDirection = _PlayToPosition < _Position_Current ? -1 : 1;
        _ThisAnimator.OnStart();
        _TimeStampLastFrame = $Jssor$.GetNow();
        RequestAnimationFrame(ShowFrame);
    }
}

```

```
    }  
}
```

```
function Stop(callback) {
```

```
    if (_AutoPlay) {  
        _NoStop = _AutoPlay = _Callback = false;  
        _ThisAnimator.$OnStop();
```

```
        if (callback)  
            callback();
```

```
    }  
}
```

```
    _ThisAnimator.$Play = function (positionLength, callback, noStop) {  
        PlayToPosition(positionLength ? _Position_Current + positionLength :  
_Position_OuterEnd, callback, noStop);  
    };
```

```
    _ThisAnimator.$PlayToPosition = PlayToPosition;
```

```
    _ThisAnimator.$PlayToBegin = function (callback, noStop) {  
        PlayToPosition(_Position_OuterBegin, callback, noStop);  
    };
```

```
    _ThisAnimator.$PlayToEnd = function (callback, noStop) {  
        PlayToPosition(_Position_OuterEnd, callback, noStop);  
    };
```

```
    _ThisAnimator.$Stop = Stop;
```

```
    _ThisAnimator.$Continue = function (toPosition) {  
        PlayToPosition(toPosition);
```



```
};
```

```
_ThisAnimator.$GetPosition = function () {  
    return _Position_Current;  
};
```

```
_ThisAnimator.$GetPlayToPosition = function () {  
    return _PlayToPosition;  
};
```

```
_ThisAnimator.$GetPosition_Display = function () {  
    return _Position_Display;  
};
```

```
_ThisAnimator.$GoToPosition = GoToPosition;
```

```
_ThisAnimator.$GoToBegin = function () {  
    GoToPosition(_Position_OuterBegin, true);  
};
```

```
_ThisAnimator.$GoToEnd = function () {  
    GoToPosition(_Position_OuterEnd, true);  
};
```

```
_ThisAnimator.$Move = function (offset) {  
    GoToPosition(_Position_Current + offset);  
};
```

```
_ThisAnimator.$CombineMode = function () {  
    return _CombineMode;  
};
```

```

    _ThisAnimator.$GetDuration = function () {
        return duration;
    };

```

```

    _ThisAnimator.$IsPlaying = function () {
        return _AutoPlay;
    };

```

```

    _ThisAnimator.$IsOnTheWay = function () {
        return _Position_Current > _Position_InnerBegin && _Position_Current <=
        _Position_InnerEnd;
    };

```

```

    _ThisAnimator.$SetLoopLength = function (length) {
        _LoopLength = length;
    };

```

```

    _ThisAnimator.$Locate = Locate;

```

```

    _ThisAnimator.$Shift = Shift;

```

```

    _ThisAnimator.$Join = Join;

```

```

    _ThisAnimator.$Combine = function (animator) {
        /// <summary>
        ///      Combine another animator parallel to this animator
        /// </summary>
        /// <param name="animator" type="$JssorAnimator$" >
        ///      An instance of $JssorAnimator$
        /// </param>
        Join(animator, 0);
    };

```

```

_ThisAnimator.$Chain = function (animator) {
    /// <summary>
    ///         Chain another animator at the _Position_InnerEnd of this animator
    /// </summary>
    /// <param name="animator" type="$JssorAnimator$" >
    ///         An instance of $JssorAnimator$
    /// </param>
    Join(animator, 1);
};

```

```

_ThisAnimator.$GetPosition_InnerBegin = function () {
    /// <summary>
    ///         Internal member function, do not use it.
    /// </summary>
    /// <private />
    /// <returns type="int" />
    return _Position_InnerBegin;
};

```

```

_ThisAnimator.$GetPosition_InnerEnd = function () {
    /// <summary>
    ///         Internal member function, do not use it.
    /// </summary>
    /// <private />
    /// <returns type="int" />
    return _Position_InnerEnd;
};

```

```

_ThisAnimator.$GetPosition_OuterBegin = function () {
    /// <summary>
    ///         Internal member function, do not use it.

```

```

    /// </summary>
    /// <private />
    /// <returns type="int" />
    return _Position_OuterBegin;
};

```

```

_ThisAnimator.$GetPosition_OuterEnd = function () {
    /// <summary>
    ///      Internal member function, do not use it.
    /// </summary>
    /// <private />
    /// <returns type="int" />
    return _Position_OuterEnd;
};

```

```

_ThisAnimator.$OnPositionChange = _ThisAnimator.$OnStart = _ThisAnimator.$OnStop
= _ThisAnimator.$OnInnerOffsetChange = $Jssor$.EmptyFunction;
_ThisAnimator.$Version = $Jssor$.GetNow();

```

```

//Constructor 1

```

```

{
    options = $Jssor$.Extend({
        $Interval: 16,
        $IntervalMax: 50
    }, options);
}

```

```

//Sodo statement, for development time intellisense only

```

```

$JssorDebug$.Execute(function () {
    options = $Jssor$.Extend({
        $LoopLength: undefined,
        $Setter: undefined,
        $Easing: undefined
    }, options);
});

```

```

    }, options);
});

_LoopLength = options.$LoopLength;

_StyleSetter = $Jssor$.Extend({}, $Jssor$.StyleSetter(), options.$Setter);

_Position_OuterBegin = _Position_InnerBegin = delay;
_Position_OuterEnd = _Position_InnerEnd = delay + duration;

_SubRounds = options.$Round || {};
_SubDurings = options.$During || {};
_SubEasings = $Jssor$.Extend({ $Default: $Jssor$.isFunction(options.$Easing) &&
options.$Easing || $JssorEasing$.EaseSwing }, options.$Easing);
}
};

function $JssorPlayerClass$() {

    var _ThisPlayer = this;
    var _PlayerControllers = [];

    function PlayerController(playerElement) {
        var _SelfPlayerController = this;
        var _PlayerInstance;
        var _PlayerInstantces = [];

        function OnPlayerInstanceDataAvailable(event) {
            var srcElement = $Jssor$.EventSrc(event);
            _PlayerInstance = srcElement.pInstance;

```

```

    $Jssor$.RemoveEvent(srcElement, "dataavailable",
OnPlayerInstanceDataAvailable);

    $Jssor$.Each(_PlayerInstantces, function (playerInstance) {
        if (playerInstance != _PlayerInstance) {
            playerInstance.Remove();
        }
    });

    playerElement.pTagName = _PlayerInstance.tagName;
    _PlayerInstantces = null;
}

function HandlePlayerInstance(playerInstanceElement) {
    var playerHandler;

    if (!playerInstanceElement.pInstance) {
        var playerHandlerAttribute = $Jssor$.AttributeEx(playerInstanceElement,
"pHandler");

        if ($JssorPlayer$[playerHandlerAttribute]) {
            $Jssor$.AddEvent(playerInstanceElement, "dataavailable",
OnPlayerInstanceDataAvailable);

            playerHandler = new $JssorPlayer$[playerHandlerAttribute](playerElement,
playerInstanceElement);

            _PlayerInstantces.push(playerHandler);

            $JssorDebug$.Execute(function () {
                if ($Jssor$.Type(playerHandler.Remove) != "function") {
                    $JssorDebug$.Fail("'pRemove' interface not implemented for player
handler '" + playerHandlerAttribute + "'.");
                }
            });
        }
    }
}

```

```

        return playerHandler;
    }

    _SelfPlayerController.$InitPlayerController = function () {
        if (!playerElement.pInstance && !HandlePlayerInstance(playerElement)) {

            var playerInstanceElements = $Jssor$.Children(playerElement);

            $Jssor$.Each(playerInstanceElements, function (playerInstanceElement) {
                HandlePlayerInstance(playerInstanceElement);
            });
        }
    };
}

_ThisPlayer.$EVT_SWITCH = 21;

_ThisPlayer.$FetchPlayers = function (elmt) {
    elmt = elmt || document.body;

    var playerElements = $Jssor$.FindChildren(elmt, "player");

    $Jssor$.Each(playerElements, function (playerElement) {
        if (!_PlayerControllers[playerElement.pId]) {
            playerElement.pId = _PlayerControllers.length;
            _PlayerControllers.push(new PlayerController(playerElement));
        }
        var playerController = _PlayerControllers[playerElement.pId];
        playerController.$InitPlayerController();
    });
};

```

}

jssor.slider.js

/// <reference path="Jssor.js" />

/*

* Jssor.Slider 18.0

* <http://www.jssor.com/>

*

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*

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*/

```
var $JssorSlider$;  
var $JssorSlideshowFormations$ = window.$JssorSlideshowFormations$ = { };  
var $JssorSlideshowRunner$;
```

```
new function () {  
    //Constants +++++++  
  
    var COLUMN_INCREASE = 0;  
    var COLUMN_DECREASE = 1;  
    var ROW_INCREASE = 2;  
    var ROW_DECREASE = 3;  
  
    var DIRECTION_HORIZONTAL = 0x0003;  
    var DIRECTION_VERTICAL = 0x000C;  
  
    var TO_LEFT = 0x0001;  
    var TO_RIGHT = 0x0002;  
    var TO_TOP = 0x0004;  
    var TO_BOTTOM = 0x0008;  
  
    var FROM_LEFT = 0x0100;  
    var FROM_TOP = 0x0200;  
    var FROM_RIGHT = 0x0400;  
    var FROM_BOTTOM = 0x0800;
```

```

var ASSEMBLY_BOTTOM_LEFT = FROM_BOTTOM + TO_LEFT;
var ASSEMBLY_BOTTOM_RIGHT = FROM_BOTTOM + TO_RIGHT;
var ASSEMBLY_TOP_LEFT = FROM_TOP + TO_LEFT;
var ASSEMBLY_TOP_RIGHT = FROM_TOP + TO_RIGHT;
var ASSEMBLY_LEFT_TOP = FROM_LEFT + TO_TOP;
var ASSEMBLY_LEFT_BOTTOM = FROM_LEFT + TO_BOTTOM;
var ASSEMBLY_RIGHT_TOP = FROM_RIGHT + TO_TOP;
var ASSEMBLY_RIGHT_BOTTOM = FROM_RIGHT + TO_BOTTOM;

```

```

//Constants -----

```

```

//Formation Definition ++++++

```

```

function isToLeft(roadValue) {
    return (roadValue & TO_LEFT) == TO_LEFT;
}

```

```

function isToRight(roadValue) {
    return (roadValue & TO_RIGHT) == TO_RIGHT;
}

```

```

function isToTop(roadValue) {
    return (roadValue & TO_TOP) == TO_TOP;
}

```

```

function isToBottom(roadValue) {
    return (roadValue & TO_BOTTOM) == TO_BOTTOM;
}

```

```

function PushFormationOrder(arr, order, formationItem) {
    formationItem.push(order);
    arr[order] = arr[order] || [];
    arr[order].push(formationItem);
}

```

```
}
```

```
$JssorSlideshowFormations$.FormationStraight = function (transition) {  
    var cols = transition.$Cols;  
    var rows = transition.$Rows;  
    var formationDirection = transition.$Assembly;  
    var count = transition.$Count;  
    var a = [];  
    var i = 0;  
    var col = 0;  
    var r = 0;  
    var cl = cols - 1;  
    var rl = rows - 1;  
    var il = count - 1;  
    var cr;  
    var order;  
    for (r = 0; r < rows; r++) {  
        for (col = 0; col < cols; col++) {  
            cr = r + ',' + col;  
            switch (formationDirection) {  
                case ASSEMBLY_BOTTOM_LEFT:  
                    order = il - (col * rows + (rl - r));  
                    break;  
                case ASSEMBLY_RIGHT_TOP:  
                    order = il - (r * cols + (cl - col));  
                    break;  
                case ASSEMBLY_TOP_LEFT:  
                    order = il - (col * rows + r);  
                case ASSEMBLY_LEFT_TOP:  
                    order = il - (r * cols + col);  
                    break;  
                case ASSEMBLY_BOTTOM_RIGHT:
```

```

        order = col * rows + r;
        break;
    case ASSEMBLY_LEFT_BOTTOM:
        order = r * cols + (cl - col);
        break;
    case ASSEMBLY_TOP_RIGHT:
        order = col * rows + (rl - r);
        break;
    default:
        order = r * cols + col;
        break; //ASSEMBLY_RIGHT_BOTTOM
    }
    PushFormationOrder(a, order, [r, col]);
}
}

return a;
};

$JssorSlideshowFormations$.FormationSwirl = function (transition) {
    var cols = transition.$Cols;
    var rows = transition.$Rows;
    var formationDirection = transition.$Assembly;
    var count = transition.$Count;
    var a = [];
    var hit = [];
    var i = 0;
    var col = 0;
    var r = 0;
    var cl = cols - 1;
    var rl = rows - 1;
    var il = count - 1;

```

```

var cr;
var courses;
var course = 0;
switch (formationDirection) {
    case ASSEMBLY_BOTTOM_LEFT:
        col = cl;
        r = 0;
        courses = [ROW_INCREASE, COLUMN_DECREASE, ROW_DECREASE,
COLUMN_INCREASE];
        break;
    case ASSEMBLY_RIGHT_TOP:
        col = 0;
        r = rl;
        courses = [COLUMN_INCREASE, ROW_DECREASE, COLUMN_DECREASE,
ROW_INCREASE];
        break;
    case ASSEMBLY_TOP_LEFT:
        col = cl;
        r = rl;
        courses = [ROW_DECREASE, COLUMN_DECREASE, ROW_INCREASE,
COLUMN_INCREASE];
        break;
    case ASSEMBLY_LEFT_TOP:
        col = cl;
        r = rl;
        courses = [COLUMN_DECREASE, ROW_DECREASE, COLUMN_INCREASE,
ROW_INCREASE];
        break;
    case ASSEMBLY_BOTTOM_RIGHT:
        col = 0;
        r = 0;
        courses = [ROW_INCREASE, COLUMN_INCREASE, ROW_DECREASE,
COLUMN_DECREASE];
        break;

```

```

case ASSEMBLY_LEFT_BOTTOM:
    col = cl;
    r = 0;
    courses = [COLUMN_DECREASE, ROW_INCREASE, COLUMN_INCREASE,
ROW_DECREASE];
    break;
case ASSEMBLY_TOP_RIGHT:
    col = 0;
    r = rl;
    courses = [ROW_DECREASE, COLUMN_INCREASE, ROW_INCREASE,
COLUMN_DECREASE];
    break;
default:
    col = 0;
    r = 0;
    courses = [COLUMN_INCREASE, ROW_INCREASE, COLUMN_DECREASE,
ROW_DECREASE];
    break; //ASSEMBLY_RIGHT_BOTTOM
}
i = 0;
while (i < count) {
    cr = r + ',' + col;
    if (col >= 0 && col < cols && r >= 0 && r < rows && !hit[cr]) {
        //a[cr] = i++;
        hit[cr] = true;
        PushFormationOrder(a, i++, [r, col]);
    }
    else {
        switch (courses[course++ % courses.length]) {
            case COLUMN_INCREASE:
                col--;
                break;
            case ROW_INCREASE:

```

```

        r--;
        break;
    case COLUMN_DECREASE:
        col++;
        break;
    case ROW_DECREASE:
        r++;
        break;
    }
}

switch (courses[course % courses.length]) {
    case COLUMN_INCREASE:
        col++;
        break;
    case ROW_INCREASE:
        r++;
        break;
    case COLUMN_DECREASE:
        col--;
        break;
    case ROW_DECREASE:
        r--;
        break;
    }
}

return a;
};

$JssorSlideshowFormations$.FormationZigZag = function (transition) {
    var cols = transition.$Cols;
    var rows = transition.$Rows;

```

```

var formationDirection = transition.$Assembly;
var count = transition.$Count;
var a = [];
var i = 0;
var col = 0;
var r = 0;
var cl = cols - 1;
var rl = rows - 1;
var il = count - 1;
var cr;
var courses;
var course = 0;
switch (formationDirection) {
  case ASSEMBLY_BOTTOM_LEFT:
    col = cl;
    r = 0;
    courses = [ROW_INCREASE, COLUMN_DECREASE, ROW_DECREASE,
COLUMN_DECREASE];
    break;
  case ASSEMBLY_RIGHT_TOP:
    col = 0;
    r = rl;
    courses = [COLUMN_INCREASE, ROW_DECREASE, COLUMN_DECREASE,
ROW_DECREASE];
    break;
  case ASSEMBLY_TOP_LEFT:
    col = cl;
    r = rl;
    courses = [ROW_DECREASE, COLUMN_DECREASE, ROW_INCREASE,
COLUMN_DECREASE];
    break;
  case ASSEMBLY_LEFT_TOP:
    col = cl;

```



```

        r = rl;

        courses = [COLUMN_DECREASE, ROW_DECREASE, COLUMN_INCREASE,
ROW_DECREASE];

        break;

    case ASSEMBLY_BOTTOM_RIGHT:

        col = 0;

        r = 0;

        courses = [ROW_INCREASE, COLUMN_INCREASE, ROW_DECREASE,
COLUMN_INCREASE];

        break;

    case ASSEMBLY_LEFT_BOTTOM:

        col = cl;

        r = 0;

        courses = [COLUMN_DECREASE, ROW_INCREASE, COLUMN_INCREASE,
ROW_INCREASE];

        break;

    case ASSEMBLY_TOP_RIGHT:

        col = 0;

        r = rl;

        courses = [ROW_DECREASE, COLUMN_INCREASE, ROW_INCREASE,
COLUMN_INCREASE];

        break;

    default:

        col = 0;

        r = 0;

        courses = [COLUMN_INCREASE, ROW_INCREASE, COLUMN_DECREASE,
ROW_INCREASE];

        break; //ASSEMBLY_RIGHT_BOTTOM
    }

    i = 0;

    while (i < count) {

        cr = r + ',' + col;

        if (col >= 0 && col < cols && r >= 0 && r < rows && typeof (a[cr]) == 'undefined')
{

```

```

PushFormationOrder(a, i++, [r, col]);
//a[cr] = i++;
switch (courses[course % courses.length]) {
    case COLUMN_INCREASE:
        col++;
        break;
    case ROW_INCREASE:
        r++;
        break;
    case COLUMN_DECREASE:
        col--;
        break;
    case ROW_DECREASE:
        r--;
        break;
}
}
else {
    switch (courses[course++ % courses.length]) {
        case COLUMN_INCREASE:
            col--;
            break;
        case ROW_INCREASE:
            r--;
            break;
        case COLUMN_DECREASE:
            col++;
            break;
        case ROW_DECREASE:
            r++;
            break;
    }
}

```

```

switch (courses[course++ % courses.length]) {
    case COLUMN_INCREASE:
        col++;
        break;
    case ROW_INCREASE:
        r++;
        break;
    case COLUMN_DECREASE:
        col--;
        break;
    case ROW_DECREASE:
        r--;
        break;
}
}
}
return a;
};

```

```

$JssorSlideshowFormations$.FormationStraightStairs = function (transition) {
    var cols = transition.$Cols;
    var rows = transition.$Rows;
    var formationDirection = transition.$Assembly;
    var count = transition.$Count;
    var a = [];
    var i = 0;
    var col = 0;
    var r = 0;
    var cl = cols - 1;
    var rl = rows - 1;
    var il = count - 1;
    var cr;

```

```

switch (formationDirection) {
    case ASSEMBLY_BOTTOM_LEFT:
    case ASSEMBLY_TOP_RIGHT:
    case ASSEMBLY_TOP_LEFT:
    case ASSEMBLY_BOTTOM_RIGHT:
        var C = 0;
        var R = 0;
        break;
    case ASSEMBLY_LEFT_BOTTOM:
    case ASSEMBLY_RIGHT_TOP:
    case ASSEMBLY_LEFT_TOP:
    case ASSEMBLY_RIGHT_BOTTOM:
        var C = cl;
        var R = 0;
        break;
    default:
        formationDirection = ASSEMBLY_RIGHT_BOTTOM;
        var C = cl;
        var R = 0;
        break;
}
col = C;
r = R;
while (i < count) {
    cr = r + ',' + col;
    if (isToTop(formationDirection) || isToRight(formationDirection)) {
        PushFormationOrder(a, il - i++, [r, col]);
        //a[cr] = il - i++;
    }
    else {
        PushFormationOrder(a, i++, [r, col]);
        //a[cr] = i++;
    }
}

```

```

}
switch (formationDirection) {
    case ASSEMBLY_BOTTOM_LEFT:
    case ASSEMBLY_TOP_RIGHT:
        col--;
        r++;
        break;
    case ASSEMBLY_TOP_LEFT:
    case ASSEMBLY_BOTTOM_RIGHT:
        col++;
        r--;
        break;
    case ASSEMBLY_LEFT_BOTTOM:
    case ASSEMBLY_RIGHT_TOP:
        col--;
        r--;
        break;
    case ASSEMBLY_RIGHT_BOTTOM:
    case ASSEMBLY_LEFT_TOP:
    default:
        col++;
        r++;
        break;
}

```

```

if (col < 0 || r < 0 || col > cl || r > rl) {
    switch (formationDirection) {
        case ASSEMBLY_BOTTOM_LEFT:
        case ASSEMBLY_TOP_RIGHT:
            C++;
            break;
        case ASSEMBLY_LEFT_BOTTOM:
        case ASSEMBLY_RIGHT_TOP:

```

```

case ASSEMBLY_TOP_LEFT:
case ASSEMBLY_BOTTOM_RIGHT:
    R++;
    break;
case ASSEMBLY_RIGHT_BOTTOM:
case ASSEMBLY_LEFT_TOP:
default:
    C--;
    break;
}

if (C < 0 || R < 0 || C > cl || R > rl) {
    switch (formationDirection) {
        case ASSEMBLY_BOTTOM_LEFT:
        case ASSEMBLY_TOP_RIGHT:
            C = cl;
            R++;
            break;
        case ASSEMBLY_TOP_LEFT:
        case ASSEMBLY_BOTTOM_RIGHT:
            R = rl;
            C++;
            break;
        case ASSEMBLY_LEFT_BOTTOM:
        case ASSEMBLY_RIGHT_TOP: R = rl; C--;
            break;
        case ASSEMBLY_RIGHT_BOTTOM:
        case ASSEMBLY_LEFT_TOP:
        default:
            C = 0;
            R++;
            break;
    }
}

```

```

        if (R > rl)
            R = rl;
        else if (R < 0)
            R = 0;
        else if (C > cl)
            C = cl;
        else if (C < 0)
            C = 0;
    }
    r = R;
    col = C;
}
}
return a;
};

```

```

$JssorSlideshowFormations$.FormationSquare = function (transition) {
    var cols = transition.$Cols || 1;
    var rows = transition.$Rows || 1;
    var arr = [];
    var i = 0;
    var col;
    var r;
    var dc;
    var dr;
    var cr;
    dc = cols < rows ? (rows - cols) / 2 : 0;
    dr = cols > rows ? (cols - rows) / 2 : 0;
    cr = Math.round(Math.max(cols / 2, rows / 2)) + 1;
    for (col = 0; col < cols; col++) {
        for (r = 0; r < rows; r++)

```

```

        PushFormationOrder(arr, cr - Math.min(col + 1 + dc, r + 1 + dr, cols - col + dc,
rows - r + dr), [r, col]);
    }
    return arr;
};

```

```

$JssorSlideshowFormations$.FormationRectangle = function (transition) {
    var cols = transition.$Cols || 1;
    var rows = transition.$Rows || 1;
    var arr = [];
    var i = 0;
    var col;
    var r;
    var cr;
    cr = Math.round(Math.min(cols / 2, rows / 2)) + 1;
    for (col = 0; col < cols; col++) {
        for (r = 0; r < rows; r++)
            PushFormationOrder(arr, cr - Math.min(col + 1, r + 1, cols - col, rows - r), [r, col]);
    }
    return arr;
};

```

```

$JssorSlideshowFormations$.FormationRandom = function (transition) {
    var a = [];
    var r, col, i;
    for (r = 0; r < transition.$Rows; r++) {
        for (col = 0; col < transition.$Cols; col++)
            PushFormationOrder(a, Math.ceil(100000 * Math.random()) % 13, [r, col]);
    }

    return a;
};

```



```

$JssorSlideshowFormations$.FormationCircle = function (transition) {
    var cols = transition.$Cols || 1;
    var rows = transition.$Rows || 1;
    var arr = [];
    var i = 0;
    var col;
    var r;
    var hc = cols / 2 - 0.5;
    var hr = rows / 2 - 0.5;
    for (col = 0; col < cols; col++) {
        for (r = 0; r < rows; r++)
            PushFormationOrder(arr, Math.round(Math.sqrt(Math.pow(col - hc, 2) +
Math.pow(r - hr, 2))), [r, col]);
    }
    return arr;
};

```

```

$JssorSlideshowFormations$.FormationCross = function (transition) {
    var cols = transition.$Cols || 1;
    var rows = transition.$Rows || 1;
    var arr = [];
    var i = 0;
    var col;
    var r;
    var hc = cols / 2 - 0.5;
    var hr = rows / 2 - 0.5;
    for (col = 0; col < cols; col++) {
        for (r = 0; r < rows; r++)
            PushFormationOrder(arr, Math.round(Math.min(Math.abs(col - hc), Math.abs(r -
hr))), [r, col]);
    }
}

```

```

    return arr;
};

$JssorSlideshowFormations$.FormationRectangleCross = function (transition) {
    var cols = transition.$Cols || 1;
    var rows = transition.$Rows || 1;
    var arr = [];
    var i = 0;
    var col;
    var r;
    var hc = cols / 2 - 0.5;
    var hr = rows / 2 - 0.5;
    var cr = Math.max(hc, hr) + 1;
    for (col = 0; col < cols; col++) {
        for (r = 0; r < rows; r++)
            PushFormationOrder(arr, Math.round(cr - Math.max(hc - Math.abs(col - hc), hr - Math.abs(r - hr))) - 1, [r, col]);
    }
    return arr;
};

function GetFormation(transition) {

    var formationInstance = transition.$Formation(transition);

    return transition.$Reverse ? formationInstance.reverse() : formationInstance;

} //GetFormation

//var _PrototypeTransitions = [];
function EnsureTransitionInstance(options, slideshowInterval) {

```

```

var _SlideshowTransition = {
    $Interval: slideshowInterval, //Delay to play next frame
    $Duration: 1, //Duration to finish the entire transition
    $Delay: 0, //Delay to assembly blocks
    $Cols: 1, //Number of columns
    $Rows: 1, //Number of rows
    $Opacity: 0, //Fade block or not
    $Zoom: 0, //Zoom block or not
    $Clip: 0, //Clip block or not
    $Move: false, //Move block or not
    $SlideOut: false, //Slide the previous slide out to display next slide instead
    //FlyDirection: 0, //Specify fly transform with direction
    $Reverse: false, //Reverse the assembly or not
    $Formation: $JssorSlideshowFormations$.FormationRandom, //Shape that
assembly blocks as
    $Assembly: ASSEMBLY_RIGHT_BOTTOM, //The way to assembly blocks
    $ChessMode: { $Column: 0, $Row: 0 }, //Chess move or fly direction
    $Easing: $JssorEasing$.EaseSwing, //Specify variation of speed during transition
    $Round: {},
    $Blocks: [],
    $During: {}
};

```

```

$Jssor$.Extend(_SlideshowTransition, options);

```

```

    _SlideshowTransition.$Count = _SlideshowTransition.$Cols *
    _SlideshowTransition.$Rows;

```

```

    if ($Jssor$.isFunction(_SlideshowTransition.$Easing))

```

```

        _SlideshowTransition.$Easing = { $Default: _SlideshowTransition.$Easing };

```

```

    _SlideshowTransition.$FramesCount = Math.ceil(_SlideshowTransition.$Duration /
    _SlideshowTransition.$Interval);

```

```

    _SlideshowTransition.$EasingInstance = GetEasing(_SlideshowTransition);

```

```

_SlideshowTransition.$GetBlocks = function (width, height) {
    width /= _SlideshowTransition.$Cols;
    height /= _SlideshowTransition.$Rows;
    var wh = width + 'x' + height;
    if (!_SlideshowTransition.$Blocks[wh]) {
        _SlideshowTransition.$Blocks[wh] = { $Width: width, $Height: height };
        for (var col = 0; col < _SlideshowTransition.$Cols; col++) {
            for (var r = 0; r < _SlideshowTransition.$Rows; r++)
                _SlideshowTransition.$Blocks[wh][r + ',' + col] = { $Top: r * height, $Right:
col * width + width, $Bottom: r * height + height, $Left: col * width };
        }
    }

    return _SlideshowTransition.$Blocks[wh];
};

if (_SlideshowTransition.$Brother) {
    _SlideshowTransition.$Brother =
EnsureTransitionInstance(_SlideshowTransition.$Brother, slideshowInterval);
    _SlideshowTransition.$SlideOut = true;
}

return _SlideshowTransition;
}

function GetEasing(transition) {
    var easing = transition.$Easing;
    if (!easing.$Default)
        easing.$Default = $JssorEasing$.EaseSwing;

    var duration = transition.$FramesCount;

```

```

var cache = easing.$Cache;
if (!cache) {
    var enumerator = $Jssor$.Extend({}, transition.$Easing, transition.$Round);
    cache = easing.$Cache = {};

    $Jssor$.Each(enumerator, function (v, easingName) {
        var easingFunction = easing[easingName] || easing.$Default;
        var round = transition.$Round[easingName] || 1;

        if (!$Jssor$.isArray(easingFunction.$Cache))
            easingFunction.$Cache = [];

        var easingFunctionCache = easingFunction.$Cache[duration] =
easingFunction.$Cache[duration] || [];

        if (!easingFunctionCache[round]) {
            easingFunctionCache[round] = [0];
            for (var t = 1; t <= duration; t++) {
                var tRound = t / duration * round;
                var tRoundFloor = Math.floor(tRound);
                if (tRound != tRoundFloor)
                    tRound -= tRoundFloor;
                easingFunctionCache[round][t] = easingFunction(tRound);
            }
        }

        cache[easingName] = easingFunctionCache;
    });
}

```

```

    return cache;
} //GetEasing

//Formation Definition -----

function JssorSlideshowPlayer(slideContainer, slideElement, slideTransition, beginTime,
slideContainerWidth, slideContainerHeight) {
    var _Self = this;

    var _Block;
    var _StartStylesArr = { };
    var _AnimationStylesArres = { };
    var _AnimationBlockItems = [];
    var _StyleStart;
    var _StyleEnd;
    var _StyleDif;
    var _ChessModeColumn = slideTransition.$ChessMode.$Column || 0;
    var _ChessModeRow = slideTransition.$ChessMode.$Row || 0;

    var _Blocks = slideTransition.$GetBlocks(slideContainerWidth, slideContainerHeight);
    var _FormationInstance = GetFormation(slideTransition);
    var _MaxOrder = _FormationInstance.length - 1;
    var _Period = slideTransition.$Duration + slideTransition.$Delay * _MaxOrder;
    var _EndTime = beginTime + _Period;

    var _SlideOut = slideTransition.$SlideOut;
    var _IsIn;

    _EndTime += $Jssor$.IsBrowserChrome() ? 260 : 50;

    _Self.$EndTime = _EndTime;

```

```

_Self.$ShowFrame = function (time) {
    time -= beginTime;

    var isIn = time < _Period;

    if (isIn || _IsIn) {
        _IsIn = isIn;

        if (!_SlideOut)
            time = _Period - time;

        var frameIndex = Math.ceil(time / slideTransition.$Interval);

        $Jssor$.Each(_AnimationStylesArrs, function (value, index) {

            var itemFrameIndex = Math.max(frameIndex, value.$Min);
            itemFrameIndex = Math.min(itemFrameIndex, value.length - 1);

            if (value.$LastFrameIndex != itemFrameIndex) {
                if (!value.$LastFrameIndex && !_SlideOut) {
                    $Jssor$.ShowElement(_AnimationBlockItems[index]);
                }
                else if (itemFrameIndex == value.$Max && _SlideOut) {
                    $Jssor$.HideElement(_AnimationBlockItems[index]);
                }
                value.$LastFrameIndex = itemFrameIndex;
                $Jssor$.SetStylesEx(_AnimationBlockItems[index],
value[itemFrameIndex]);
            }
        });
    }
};

```

```

function DisableHWA(elmt) {
    $Jssor$.DisableHWA(elmt);

    var children = $Jssor$.Children(elmt);

    $Jssor$.Each(children, function (child) {
        DisableHWA(child);
    });
}

//constructor
{
    slideElement = $Jssor$.CloneNode(slideElement);
    DisableHWA(slideElement);
    if ($Jssor$.IsBrowserIe9Earlier()) {
        var hasImage = !slideElement["no-image"];
        var slideChildElements = $Jssor$.FindChildrenByTag(slideElement);
        $Jssor$.Each(slideChildElements, function (slideChildElement) {
            if (hasImage || slideChildElement["jssor-slider"])
                $Jssor$.CssOpacity(slideChildElement,
$Jssor$.CssOpacity(slideChildElement), true);
        });
    }

    $Jssor$.Each(_FormationInstance, function (formationItems, order) {
        $Jssor$.Each(formationItems, function (formationItem) {
            var row = formationItem[0];
            var col = formationItem[1];
            {
                var columnRow = row + ',' + col;

```



```
var chessHorizontal = false;
```

```
var chessVertical = false;
```

```
var chessRotate = false;
```

```
if (_ChessModeColumn && col % 2) {
```

```
    if ($JssorDirection$.IsHorizontal(_ChessModeColumn)) {
```

```
        chessHorizontal = !chessHorizontal;
```

```
    }
```

```
    if ($JssorDirection$.IsVertical(_ChessModeColumn)) {
```

```
        chessVertical = !chessVertical;
```

```
    }
```

```
if (_ChessModeColumn & 16)
```

```
    chessRotate = !chessRotate;
```

```
}
```

```
if (_ChessModeRow && row % 2) {
```

```
    if ($JssorDirection$.IsHorizontal(_ChessModeRow)) {
```

```
        chessHorizontal = !chessHorizontal;
```

```
    }
```

```
    if ($JssorDirection$.IsVertical(_ChessModeRow)) {
```

```
        chessVertical = !chessVertical;
```

```
    }
```

```
if (_ChessModeRow & 16)
```

```
    chessRotate = !chessRotate;
```

```
}
```

```
slideTransition.$Top = slideTransition.$Top || (slideTransition.$Clip & 4);
```

```
slideTransition.$Bottom = slideTransition.$Bottom || (slideTransition.$Clip &
```

```
8);
```

```
slideTransition.$Left = slideTransition.$Left || (slideTransition.$Clip & 1);
```

```
slideTransition.$Right = slideTransition.$Right || (slideTransition.$Clip & 2);
```

```

        var topBenchmark = chessVertical ? slideTransition.$Bottom :
slideTransition.$Top;

        var bottomBenchmark = chessVertical ? slideTransition.$Top :
slideTransition.$Bottom;

        var leftBenchmark = chessHorizontal ? slideTransition.$Right :
slideTransition.$Left;

        var rightBenchmark = chessHorizontal ? slideTransition.$Left :
slideTransition.$Right;

        //JssorDebug$.Execute(function () {
        //    topBenchmark = bottomBenchmark = leftBenchmark = rightBenchmark =
false;

        //});

        slideTransition.$Clip = topBenchmark || bottomBenchmark || leftBenchmark ||
rightBenchmark;

        _StyleDif = {};
        _StyleEnd = { $Top: 0, $Left: 0, $Opacity: 1, $Width: slideContainerWidth,
$Height: slideContainerHeight };
        _StyleStart = $Jssor$.Extend({}, _StyleEnd);
        _Block = $Jssor$.Extend({}, _Blocks[columnRow]);

        if (slideTransition.$Opacity) {
            _StyleEnd.$Opacity = 2 - slideTransition.$Opacity;
        }

        if (slideTransition.$ZIndex) {
            _StyleEnd.$ZIndex = slideTransition.$ZIndex;
            _StyleStart.$ZIndex = 0;
        }

        var allowClip = slideTransition.$Cols * slideTransition.$Rows > 1 ||
slideTransition.$Clip;

```

```

if (slideTransition.$Zoom || slideTransition.$Rotate) {
    var allowRotate = true;
    if ($Jssor$.IsBrowserIE() && $Jssor$.BrowserEngineVersion() < 9) {
        if (slideTransition.$Cols * slideTransition.$Rows > 1)
            allowRotate = false;
        else
            allowClip = false;
    }

    if (allowRotate) {
        _StyleEnd.$Zoom = slideTransition.$Zoom ? slideTransition.$Zoom - 1 :
1;

        _StyleStart.$Zoom = 1;

        if ($Jssor$.IsBrowserIe9Earlier() || $Jssor$.IsBrowserOpera())
            _StyleEnd.$Zoom = Math.min(_StyleEnd.$Zoom, 2);

        var rotate = slideTransition.$Rotate;

        _StyleEnd.$Rotate = rotate * 360 * ((chessRotate) ? -1 : 1);
        _StyleStart.$Rotate = 0;
    }
}

if (allowClip) {
    if (slideTransition.$Clip) {
        var clipScale = slideTransition.$ScaleClip || 1;
        var blockOffset = _Block.$Offset = {};
        if (topBenchmark && bottomBenchmark) {
            blockOffset.$Top = _Blocks.$Height / 2 * clipScale;
            blockOffset.$Bottom = -blockOffset.$Top;

```

```

    }
    else if (topBenchmark) {
        blockOffset.$Bottom = -_Blocks.$Height * clipScale;
    }
    else if (bottomBenchmark) {
        blockOffset.$Top = _Blocks.$Height * clipScale;
    }

    if (leftBenchmark && rightBenchmark) {
        blockOffset.$Left = _Blocks.$Width / 2 * clipScale;
        blockOffset.$Right = -blockOffset.$Left;
    }
    else if (leftBenchmark) {
        blockOffset.$Right = -_Blocks.$Width * clipScale;
    }
    else if (rightBenchmark) {
        blockOffset.$Left = _Blocks.$Width * clipScale;
    }
}

_StyleDif.$Clip = _Block;
_StyleStart.$Clip = _Blocks[columnRow];
}

//fly
{
    var chessHor = chessHorizontal ? 1 : -1;
    var chessVer = chessVertical ? 1 : -1;

    if (slideTransition.x)
        _StyleEnd.$Left += slideContainerWidth * slideTransition.x * chessHor;

```

```

        if (slideTransition.y)
            _StyleEnd.$Top += slideContainerHeight * slideTransition.y * chessVer;
    }

    $Jssor$.Each(_StyleEnd, function (propertyEnd, property) {
        if ($Jssor$.IsNumeric(propertyEnd)) {
            if (propertyEnd != _StyleStart[property]) {
                _StyleDif[property] = propertyEnd - _StyleStart[property];
            }
        }
    });

    _StartStylesArr[columnRow] = _SlideOut ? _StyleStart : _StyleEnd;

    var animationStylesArr = [];
    var virtualFrameCount = Math.round(order * slideTransition.$Delay /
slideTransition.$Interval);
    _AnimationStylesArrs[columnRow] = new Array(virtualFrameCount);
    _AnimationStylesArrs[columnRow].$Min = virtualFrameCount;

    var framesCount = slideTransition.$FramesCount;
    for (var frameN = 0; frameN <= framesCount; frameN++) {
        var styleFrameN = { };

        $Jssor$.Each(_StyleDif, function (propertyDiff, property) {
            var propertyEasings = slideTransition.$EasingInstance[property] ||
slideTransition.$EasingInstance.$Default;
            var propertyEasingArray =
propertyEasings[slideTransition.$Round[property] || 1];

            var propertyDuring = slideTransition.$During[property] || [0, 1];
            var propertyFrameN = (frameN / framesCount - propertyDuring[0]) /
propertyDuring[1] * framesCount;

```

```

        propertyFrameN = Math.round(Math.min(framesCount,
Math.max(propertyFrameN, 0)));

        var propertyEasingValue = propertyEasingArray[propertyFrameN];

        if ($Jssor$.IsNumeric(propertyDiff)) {
            styleFrameN[property] = _StyleStart[property] + propertyDiff *
propertyEasingValue;
        }
        else {
            var value = styleFrameN[property] = $Jssor$.Extend({ },
_StyleStart[property]);
            value.$Offset = [];
            $Jssor$.Each(propertyDiff.$Offset, function (rectX, n) {
                var offsetValue = rectX * propertyEasingValue;
                value.$Offset[n] = offsetValue;
                value[n] += offsetValue;
            });
        }
    });

    if (_StyleStart.$Zoom) {
        styleFrameN.$Transform = { $Rotate: styleFrameN.$Rotate || 0, $Scale:
styleFrameN.$Zoom, $OriginalWidth: slideContainerWidth, $OriginalHeight:
slideContainerHeight };
    }

    if (styleFrameN.$Clip && slideTransition.$Move) {
        var styleFrameNClipOffset = styleFrameN.$Clip.$Offset;
        var offsetY = (styleFrameNClipOffset.$Top || 0) +
(styleFrameNClipOffset.$Bottom || 0);
        var offsetX = (styleFrameNClipOffset.$Left || 0) +
(styleFrameNClipOffset.$Right || 0);

        styleFrameN.$Left = (styleFrameN.$Left || 0) + offsetX;
    }

```

```

        styleFrameN.$Top = (styleFrameN.$Top || 0) + offsetY;
        styleFrameN.$Clip.$Left -= offsetX;
        styleFrameN.$Clip.$Right -= offsetX;
        styleFrameN.$Clip.$Top -= offsetY;
        styleFrameN.$Clip.$Bottom -= offsetY;
    }

    styleFrameN.$ZIndex = styleFrameN.$ZIndex || 1;

    _AnimationStylesArrs[columnRow].push(styleFrameN);
}

} //for
});
});

_FormationInstance.reverse();
$Jssor$.Each(_FormationInstance, function (formationItems) {
    $Jssor$.Each(formationItems, function (formationItem) {
        var row = formationItem[0];
        var col = formationItem[1];

        var columnRow = row + ',' + col;

        var image = slideElement;
        if (col || row)
            image = $Jssor$.CloneNode(slideElement);

        $Jssor$.SetStyles(image, _StartStylesArr[columnRow]);
        $Jssor$.CssOverflow(image, "hidden");

        $Jssor$.CssPosition(image, "absolute");

```

```

        slideContainer.$AddClipElement(image);
        _AnimationBlockItems[columnRow] = image;
        $Jssor$.ShowElement(image, !_SlideOut);
    });
});
}
}

```

```
//JssorSlideshowRunner+++++++
```

```
var _SlideshowRunnerCount = 1;
```

```
$JssorSlideshowRunner$ = window.$JssorSlideshowRunner$ = function (slideContainer,
slideContainerWidth, slideContainerHeight, slideshowOptions, handleTouchEventOnly) {
```

```
var _SelfSlideshowRunner = this;
```

```
//var _State = 0; //-1 fullfill, 0 clean, 1 initializing, 2 stay, 3 playing
```

```
var _EndTime;
```

```
var _SliderFrameCount;
```

```
var _SlideshowPlayerBelow;
```

```
var _SlideshowPlayerAbove;
```

```
var _PrevItem;
```

```
var _SlideItem;
```

```
var _TransitionIndex = 0;
```

```
var _TransitionsOrder = slideshowOptions.$TransitionsOrder;
```

```
var _SlideshowTransition;
```

```
var _SlideshowPerformance = 8;
```



```

function SlideshowProcessor() {
    var _SelfSlideshowProcessor = this;
    var _CurrentTime = 0;

    $JssorAnimator$.call(_SelfSlideshowProcessor, 0, _EndTime);

    _SelfSlideshowProcessor.$OnPositionChange = function (oldPosition, newPosition) {
        if ((newPosition - _CurrentTime) > _SlideshowPerformance) {
            _CurrentTime = newPosition;

            _SlideshowPlayerAbove &&
            _SlideshowPlayerAbove.$ShowFrame(newPosition);

            _SlideshowPlayerBelow &&
            _SlideshowPlayerBelow.$ShowFrame(newPosition);
        }
    };

    _SelfSlideshowProcessor.$Transition = _SlideshowTransition;
}

//member functions
_SelfSlideshowRunner.$GetTransition = function (slideCount) {
    var n = 0;

    var transitions = slideshowOptions.$Transitions;

    var transitionCount = transitions.length;

    if (_TransitionsOrder) { /*Sequence*/
        //if (transitionCount > slideCount && ($Jssor$.IsBrowserChrome() ||
        $Jssor$.IsBrowserSafari() || $Jssor$.IsBrowserFireFox())) {
            // transitionCount -= transitionCount % slideCount;

```

```

    //}

    n = _TransitionIndex++ % transitionCount;
}
else { /*Random*/
    n = Math.floor(Math.random() * transitionCount);
}

transitions[n] && (transitions[n].$Index = n);

return transitions[n];
};

_SelfSlideshowRunner.$Initialize = function (slideIndex, prevIndex, slideItem,
prevItem, slideshowTransition) {
    $JssorDebug$. $Execute(function () {
        if (_SlideshowPlayerBelow) {
            $JssorDebug$. $Fail("slideshow runner has not been cleared.");
        }
    });

    _SlideshowTransition = slideshowTransition;

    slideshowTransition = EnsureTransitionInstance(slideshowTransition,
_SlideshowPerformance);

    _SlideItem = slideItem;
    _PrevItem = prevItem;

    var prevSlideElement = prevItem.$Item;
    var currentSlideElement = slideItem.$Item;
    prevSlideElement["no-image"] = !prevItem.$Image;
    currentSlideElement["no-image"] = !slideItem.$Image;

```

```

var slideElementAbove = prevSlideElement;
var slideElementBelow = currentSlideElement;

var slideTransitionAbove = slideshowTransition;
var slideTransitionBelow = slideshowTransition.$Brother ||
EnsureTransitionInstance({}, _SlideshowPerformance);

if (!slideshowTransition.$SlideOut) {
    slideElementAbove = currentSlideElement;
    slideElementBelow = prevSlideElement;
}

var shift = slideTransitionBelow.$Shift || 0;

_SlideshowPlayerBelow = new JssorSlideshowPlayer(slideContainer,
slideElementBelow, slideTransitionBelow, Math.max(shift - slideTransitionBelow.$Interval,
0), slideContainerWidth, slideContainerHeight);

_SlideshowPlayerAbove = new JssorSlideshowPlayer(slideContainer,
slideElementAbove, slideTransitionAbove, Math.max(slideTransitionBelow.$Interval - shift,
0), slideContainerWidth, slideContainerHeight);

_SlideshowPlayerBelow.$ShowFrame(0);
_SlideshowPlayerAbove.$ShowFrame(0);

_EndTime = Math.max(_SlideshowPlayerBelow.$EndTime,
_SlideshowPlayerAbove.$EndTime);

_SelfSlideshowRunner.$Index = slideIndex;
};

_SelfSlideshowRunner.$Clear = function () {
    slideContainer.$Clear();
    _SlideshowPlayerBelow = null;

```

```

        _SlideshowPlayerAbove = null;
    };

    _SelfSlideshowRunner.$GetProcessor = function () {
        var slideshowProcessor = null;

        if (_SlideshowPlayerAbove)
            slideshowProcessor = new SlideshowProcessor();

        return slideshowProcessor;
    };

    //Constructor
    {
        if ($Jssor$.IsBrowserIe9Earlier() || $Jssor$.IsBrowserOpera() ||
(handleTouchEventOnly && $Jssor$.WebKitVersion() < 537)) {
            _SlideshowPerformance = 16;
        }

        $JssorObject$.call(_SelfSlideshowRunner);
        $JssorAnimator$.call(_SelfSlideshowRunner, -10000000, 10000000);

        $JssorDebug$.LiveStamp(_SelfSlideshowRunner, "slideshow_runner_" +
_SlideshowRunnerCount++);
    }
};

//JssorSlideshowRunner-----

//JssorSlider
function JssorSlider(elmt, options) {
    var _SelfSlider = this;

```

```

//private classes
function Conveyor() {
    var _SelfConveyor = this;
    $JssorAnimator$.call(_SelfConveyor, -1000000000, 2000000000);

    _SelfConveyor.$GetCurrentSlideInfo = function () {
        var positionDisplay = _SelfConveyor.$GetPosition_Display();
        var virtualIndex = Math.floor(positionDisplay);
        var slideIndex = GetRealIndex(virtualIndex);
        var slidePosition = positionDisplay - Math.floor(positionDisplay);

        return { $Index: slideIndex, $VirtualIndex: virtualIndex, $Position: slidePosition };
    };

    _SelfConveyor.$OnPositionChange = function (oldPosition, newPosition) {

        var index = Math.floor(newPosition);
        if (index != newPosition && newPosition > oldPosition)
            index++;

        ResetNavigator(index, true);

        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_POSITION_CHANGE,
        GetRealIndex(newPosition), GetRealIndex(oldPosition), newPosition, oldPosition);
    };
}

//Carousel
function Carousel() {
    var _SelfCarousel = this;

    $JssorAnimator$.call(_SelfCarousel, 0, 0, { $LoopLength: _SlideCount });

```

```

//Carousel Constructor
{
    $Jssor$.Each(_SlideItems, function (slideItem) {
        (_Loop & 1) && slideItem.$SetLoopLength(_SlideCount);
        _SelfCarousel.$Chain(slideItem);
        slideItem.$Shift(_ParkingPosition / _StepLength);
    });
}
}

//Carousel

//Slideshow
function Slideshow() {
    var _SelfSlideshow = this;
    var _Wrapper = _SlideContainer.$Elmt;

    $JssorAnimator$.call(_SelfSlideshow, -1, 2, { $Easing: $JssorEasing$.EaseLinear,
    $Setter: { $Position: SetPosition }, $LoopLength: _SlideCount }, _Wrapper, { $Position: 1 },
    { $Position: -1 });

    _SelfSlideshow.$Wrapper = _Wrapper;

//Slideshow Constructor
{
    $JssorDebug$.Execute(function () {
        $Jssor$.Attribute(_SlideContainer.$Elmt, "debug-id", "slide_container");
    });
}
}

//Slideshow

```

```

//CarouselPlayer
function CarouselPlayer(carousel, slideshow) {
    var _SelfCarouselPlayer = this;
    var _FromPosition;
    var _ToPosition;
    var _Duration;
    var _StandBy;
    var _StandByPosition;

    $JssorAnimator$.call(_SelfCarouselPlayer, -1000000000, 2000000000, { $IntervalMax:
100 });

    _SelfCarouselPlayer.$OnStart = function () {
        _IsSliding = true;
        _LoadingTicket = null;

        //EVT_SWIPE_START
        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_SWIPE_START,
GetRealIndex(_Conveyor.$GetPosition()), _Conveyor.$GetPosition());
    };

    _SelfCarouselPlayer.$OnStop = function () {

        _IsSliding = false;
        _StandBy = false;

        var currentSlideInfo = _Conveyor.$GetCurrentSlideInfo();

        //EVT_SWIPE_END
        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_SWIPE_END,
GetRealIndex(_Conveyor.$GetPosition()), _Conveyor.$GetPosition());

        if (!currentSlideInfo.$Position) {

```

```

        OnPark(currentSlideInfo.$VirtualIndex, _CurrentSlideIndex);
    }
};

_SelfCarouselPlayer.$OnPositionChange = function (oldPosition, newPosition) {

    var toPosition;

    if (_StandBy)
        toPosition = _StandByPosition;
    else {
        toPosition = _ToPosition;

        if (_Duration) {
            var interPosition = newPosition / _Duration;
            //if ($Jssor$.IsBrowserChrome() || $Jssor$.IsBrowserFireFox()) {
            //    Math.round(interPosition * 8 / _Duration) / 8 * _Duration;

            //    if ($Jssor$.BrowserVersion() < 38)
            //        interPosition = parseFloat(interPosition.toFixed(4));
            //}

            toPosition = _Options.$SlideEasing(interPosition) * (_ToPosition -
            _FromPosition) + _FromPosition;
        }
    }

    _Conveyor.$GoToPosition(toPosition);
};

_SelfCarouselPlayer.$PlayCarousel = function (fromPosition, toPosition, duration,
callback) {
    $JssorDebug$.Execute(function () {

```



```

        if (_SelfCarouselPlayer.$IsPlaying())
            $JssorDebug$.Fail("The carousel is already playing.");
    });

    _FromPosition = fromPosition;
    _ToPosition = toPosition;
    _Duration = duration;

    _Conveyor.$GoToPosition(fromPosition);
    _SelfCarouselPlayer.$GoToPosition(0);

    _SelfCarouselPlayer.$PlayToPosition(duration, callback);
};

_SelfCarouselPlayer.$StandBy = function (standByPosition) {
    _StandBy = true;
    _StandByPosition = standByPosition;
    _SelfCarouselPlayer.$Play(standByPosition, null, true);
};

_SelfCarouselPlayer.$SetStandByPosition = function (standByPosition) {
    _StandByPosition = standByPosition;
};

_SelfCarouselPlayer.$MoveCarouselTo = function (position) {
    _Conveyor.$GoToPosition(position);
};

//CarouselPlayer Constructor
{
    _Conveyor = new Conveyor();

```

```

        _Conveyor.$Combine(carousel);
        _Conveyor.$Combine(slideshow);
    }
}

//CarouselPlayer

//SlideContainer
function SlideContainer() {
    var _Self = this;
    var elmt = CreatePanel();

    $Jssor$. $CssZIndex(elmt, 0);
    $Jssor$. $Css(elmt, "pointerEvents", "none");

    _Self.$Elmt = elmt;

    _Self.$AddClipElement = function (clipElement) {
        $Jssor$. $AppendChild(elmt, clipElement);
        $Jssor$. $ShowElement(elmt);
    };

    _Self.$Clear = function () {
        $Jssor$. $HideElement(elmt);
        $Jssor$. $ClearInnerHtml(elmt);
    };
}

//SlideContainer

//SlideItem
function SlideItem(slideElmt, slideIndex) {

    var _SelfSlideItem = this;

```

```

var _CaptionSliderIn;
var _CaptionSliderOut;
var _CaptionSliderCurrent;
var _IsCaptionSliderPlayingWhenDragStart;

var _Wrapper;
var _BaseElement = slideElmt;

var _LoadingScreen;

var _ImageItem;
var _ImageElmts = [];
var _LinkItemOrigin;
var _LinkItem;
var _ImageLoading;
var _ImageLoaded;
var _ImageLazyLoading;
var _ContentRefreshed;

var _Processor;

var _PlayerInstanceElement;
var _PlayerInstance;

var _SequenceNumber; //for debug only

    $JssorAnimator$.call(_SelfSlideItem, -_DisplayPieces, _DisplayPieces + 1, {
$SlideItemAnimator: true });

function ResetCaptionSlider(fresh) {
    _CaptionSliderOut && _CaptionSliderOut.$Revert();

```

```

_CaptionSliderIn && _CaptionSliderIn.$Revert();

RefreshContent(slideElmt, fresh);

_ContentRefreshed = true;

_CaptionSliderIn = new _CaptionSliderOptions.$Class(slideElmt,
_CaptionSliderOptions, 1);

$JssorDebug$.LiveStamp(_CaptionSliderIn, "caption_slider_" +
_CaptionSliderCount + "_in");

_CaptionSliderOut = new _CaptionSliderOptions.$Class(slideElmt,
_CaptionSliderOptions);

$JssorDebug$.LiveStamp(_CaptionSliderOut, "caption_slider_" +
_CaptionSliderCount + "_out");

$JssorDebug$.Execute(function () {
    _CaptionSliderCount++;
});

_CaptionSliderOut.$GoToBegin();
_CaptionSliderIn.$GoToBegin();
}

function EnsureCaptionSliderVersion() {
    if (_CaptionSliderIn.$Version < _CaptionSliderOptions.$Version) {
        ResetCaptionSlider();
    }
}

//event handling begin

function LoadImageCompleteEventHandler(completeCallback, loadingScreen,
image) {
    if (!_ImageLoaded) {
        _ImageLoaded = true;
    }
}

```

```

if (_ImageItem && image) {
    var imageWidth = image.width;
    var imageHeight = image.height;
    var fillWidth = imageWidth;
    var fillHeight = imageHeight;

    if (imageWidth && imageHeight && _Options.$FillMode) {

        //0 stretch, 1 contain (keep aspect ratio and put all inside slide), 2 cover
        (keep aspect ratio and cover whole slide), 4 actual size, 5 contain for large image, actual size
        for small image, default value is 0

        if (_Options.$FillMode & 3 && !(_Options.$FillMode & 4) || imageWidth
        > _SlideWidth || imageHeight > _SlideHeight) {
            var fitHeight = false;
            var ratio = _SlideWidth / _SlideHeight * imageHeight / imageWidth;

            if (_Options.$FillMode & 1) {
                fitHeight = (ratio > 1);
            }
            else if (_Options.$FillMode & 2) {
                fitHeight = (ratio < 1);
            }
            fillWidth = fitHeight ? imageWidth * _SlideHeight / imageHeight :
_SlideWidth;
            fillHeight = fitHeight ? _SlideHeight : imageHeight * _SlideWidth /
imageWidth;
        }

        $Jssor$. $CssWidth(_ImageItem, fillWidth);
        $Jssor$. $CssHeight(_ImageItem, fillHeight);
        $Jssor$. $CssTop(_ImageItem, (_SlideHeight - fillHeight) / 2);
        $Jssor$. $CssLeft(_ImageItem, (_SlideWidth - fillWidth) / 2);
    }
}

```

```

    $Jssor$.CssPosition(_ImageItem, "absolute");

    _SelfSlider.$TriggerEvent(JssorSlider.$EVT_LOAD_END, slideItem);
}
}

$Jssor$.HideElement/loadingScreen);
completeCallback && completeCallback(_SelfSlideItem);
}

function LoadSlideshowImageCompleteEventHandler(nextIndex, nextItem,
slideshowTransition, loadingTicket) {
    if (loadingTicket == _LoadingTicket && _CurrentSlideIndex == slideIndex &&
_AutoPlay) {
        if (!_Frozen) {
            var nextRealIndex = GetRealIndex(nextIndex);

            _SlideshowRunner.$Initialize(nextRealIndex, slideIndex, nextItem,
_SelfSlideItem, slideshowTransition);

            nextItem.$HideContentForSlideshow();
            _Slideshow.$Locate(nextRealIndex, 1);
            _Slideshow.$GoToPosition(nextRealIndex);
            _CarouselPlayer.$PlayCarousel(nextIndex, nextIndex, 0);
        }
    }
}

function SlideReadyEventHandler(loadingTicket) {
    if (loadingTicket == _LoadingTicket && _CurrentSlideIndex == slideIndex) {

        if (!_Processor) {
            var slideshowProcessor = null;

            if (_SlideshowRunner) {
                if (_SlideshowRunner.$Index == slideIndex)

```

```

        slideshowProcessor = _SlideshowRunner.$GetProcessor();
    else
        _SlideshowRunner.$Clear();
    }

    EnsureCaptionSliderVersion();

    _Processor = new Processor(slideElmt, slideIndex, slideshowProcessor,
        _SelfSlideItem.$GetCaptionSliderIn(), _SelfSlideItem.$GetCaptionSliderOut());
    _Processor.$SetPlayer(_PlayerInstance);
}

!_Processor.$IsPlaying() && _Processor.$Replay();
}
}

function ParkEventHandler(currentIndex, previousIndex, manualActivate) {
    if (currentIndex == slideIndex) {

        if (currentIndex != previousIndex)
            _SlideItems[previousIndex] && _SlideItems[previousIndex].$ParkOut();
        else
            !manualActivate && _Processor && _Processor.$AdjustIdleOnPark();

        _PlayerInstance && _PlayerInstance.$Enable();

        //park in
        var loadingTicket = _LoadingTicket = $Jssor$. $GetNow();
        _SelfSlideItem.$LoadImage($Jssor$. $CreateCallback(null,
SlideReadyEventHandler, loadingTicket));
    }
    else {

```

```

        var distance = Math.abs(slideIndex - currentIndex);
        var loadRange = _DisplayPieces + _Options.$LazyLoading;
        if (!_ImageLazyLoading || distance <= loadRange || _SlideCount - distance <=
loadRange) {
            _SelfSlideItem.$LoadImage();
        }
    }
}

```

```

function SwipeStartEventHandler() {
    if (_CurrentSlideIndex == slideIndex && _Processor) {
        _Processor.$Stop();
        _PlayerInstance && _PlayerInstance.$Quit();
        _PlayerInstance && _PlayerInstance.$Disable();
        _Processor.$OpenSlideshowPanel();
    }
}

```

```

function FreezeEventHandler() {
    if (_CurrentSlideIndex == slideIndex && _Processor) {
        _Processor.$Stop();
    }
}

```

```

function LinkClickEventHandler(event) {
    if (_LastDragSucceded) {
        $Jssor$. $CancelEvent(event);
    }
    else {
        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_CLICK, slideIndex, event);
    }
}

```



```

function PlayerAvailableEventHandler() {
    _PlayerInstance = _PlayerInstanceElement.pInstance;
    _Processor && _Processor.$SetPlayer(_PlayerInstance);
}

_SelfSlideItem.$LoadImage = function (completeCallback, loadingScreen) {
    loadingScreen = loadingScreen || _LoadingScreen;

    if (_ImageElmts.length && !_ImageLoaded) {

        $Jssor$.ShowElement(loadingScreen);

        if (!_ImageLoading) {
            _ImageLoading = true;
            _SelfSlider.$TriggerEvent(JssorSlider.EVT_LOAD_START);

            $Jssor$.Each(_ImageElmts, function (imageElmt) {

                if (!imageElmt.src) {
                    imageElmt.src = $Jssor$.AttributeEx(imageElmt, "src2");
                    $Jssor$.CssDisplay(imageElmt, imageElmt["display-origin"]);
                }
            });
        }

        $Jssor$.LoadImages(_ImageElmts, _ImageItem, $Jssor$.CreateCallback(null,
LoadImageCompleteEventHandler, completeCallback, loadingScreen));
    }
    else {
        LoadImageCompleteEventHandler(completeCallback, loadingScreen);
    }
};

```

```

_SelfSlideItem.$GoForNextSlide = function () {
    if (_SlideshowRunner) {
        var slideshowTransition = _SlideshowRunner.$GetTransition(_SlideCount);

        if (slideshowTransition) {
            var loadingTicket = _LoadingTicket = $Jssor$.GetCurrent();

            var nextIndex = slideIndex + _PlayReverse;
            var nextItem = _SlideItems[GetRealIndex(nextIndex)];

            return nextItem.$LoadImage($Jssor$.CreateCallback(null,
LoadSlideshowImageCompleteEventHandler, nextIndex, nextItem, slideshowTransition,
loadingTicket), _LoadingScreen);
        }
    }

    PlayTo(_CurrentSlideIndex + _Options.$AutoPlaySteps * _PlayReverse);
};

_SelfSlideItem.$TryActivate = function () {
    ParkEventHandler(slideIndex, slideIndex, true);
};

_SelfSlideItem.$ParkOut = function () {
    //park out
    _PlayerInstance && _PlayerInstance.$Quit();
    _PlayerInstance && _PlayerInstance.$Disable();
    _SelfSlideItem.$UnhideContentForSlideshow();
    _Processor && _Processor.$Abort();
    _Processor = null;
    ResetCaptionSlider();
};

```

```

//for debug only
_SelfSlideItem.$StampSlideItemElements = function (stamp) {
    stamp = _SequenceNumber + "_" + stamp;

    $JssorDebug$.Execute(function () {
        if (_ImageItem)
            $Jssor$.Attribute(_ImageItem, "debug-id", stamp +
                "_slide_item_image_id");

            $Jssor$.Attribute(slideElmt, "debug-id", stamp + "_slide_item_item_id");
        });

    $JssorDebug$.Execute(function () {
        $Jssor$.Attribute(_Wrapper, "debug-id", stamp + "_slide_item_wrapper_id");
    });

    $JssorDebug$.Execute(function () {
        $Jssor$.Attribute(_LoadingScreen, "debug-id", stamp +
            "_loading_container_id");
    });
};

_SelfSlideItem.$HideContentForSlideshow = function () {
    $Jssor$.HideElement(slideElmt);
};

_SelfSlideItem.$UnhideContentForSlideshow = function () {
    $Jssor$.ShowElement(slideElmt);
};

_SelfSlideItem.$EnablePlayer = function () {

```

```

    _PlayerInstance && _PlayerInstance.$Enable();
};

function RefreshContent(elmt, fresh, level) {
    if (elmt["jssor-slider"])
        return;

    level = level || 0;

    if (!_ContentRefreshed) {
        if (elmt.tagName == "IMG") {
            _ImageElmts.push(elmt);

            if (!elmt.src) {
                _ImageLazyLoading = true;
                elmt["display-origin"] = $Jssor$. $CssDisplay(elmt);
                $Jssor$. $HideElement(elmt);
            }
        }
        if ($Jssor$. $IsBrowserIe9Earlier()) {
            $Jssor$. $CssZIndex(elmt, ($Jssor$. $CssZIndex(elmt) || 0) + 1);
        }
        if (_Options.$HWA && $Jssor$. $WebKitVersion()) {
            if (!_IsTouchDevice || $Jssor$. $WebKitVersion() < 534 ||
                (!_SlideshowEnabled && !$Jssor$. $IsBrowserChrome())) {
                $Jssor$. $EnableHWA(elmt);
            }
        }
    }

    var childElements = $Jssor$. $Children(elmt);

```

```

$Jssor$.Each(childElements, function (childElement, i) {

    var uAttribute = $Jssor$.AttributeEx(childElement, "u");
    if (uAttribute == "player" && !_PlayerInstanceElement) {
        _PlayerInstanceElement = childElement;
        if (_PlayerInstanceElement.pInstance) {
            PlayerAvailableEventHandler();
        }
        else {
            $Jssor$.AddEvent(_PlayerInstanceElement, "dataavailable",
PlayerAvailableEventHandler);
        }
    }

    if (uAttribute == "caption") {
        if (!$Jssor$.IsBrowserIE() && !fresh) {
            var captionElement = $Jssor$.CloneNode(childElement);
            $Jssor$.InsertBefore(elmt, captionElement, childElement);
            $Jssor$.RemoveChild(elmt, childElement);
            childElement = captionElement;

            fresh = true;
        }
    }

    else if (!_ContentRefreshed && !level && !_ImageItem &&
$Jssor$.AttributeEx(childElement, "u") == "image") {
        _ImageItem = childElement;

        if (_ImageItem) {
            if (_ImageItem.tagName == "A") {
                _LinkItemOrigin = _ImageItem;
                $Jssor$.SetStyles(_LinkItemOrigin, _StyleDef);
            }
        }
    }
}

```

```

_LinkItem = $Jssor$.CloneNode(_ImageItem, true);
//cancel click event on <A> element when a drag of slide succeeded
$Jssor$.AddEvent(_LinkItem, "click", LinkClickEventHandler);

$Jssor$.SetStyles(_LinkItem, _StyleDef);
$Jssor$.CssDisplay(_LinkItem, "block");
$Jssor$.CssOpacity(_LinkItem, 0);
$Jssor$.Css(_LinkItem, "backgroundColor", "#000");

_ImageItem = $Jssor$.FindChildByTag(_ImageItem, "IMG");

$JssorDebug$.Execute(function () {
    if (!_ImageItem) {
        $JssorDebug$.Error("slide html code definition error, no 'IMG'
found in a 'image with link' slide.\r\n" + elmt.outerHTML);
    }
});
}

_ImageItem.border = 0;

$Jssor$.SetStyles(_ImageItem, _StyleDef);
}
}

RefreshContent(childElement, fresh, level + 1);
});
}

_SelfSlideItem.$OnInnerOffsetChange = function (oldOffset, newOffset) {
    var slidePosition = _DisplayPieces - newOffset;

```

```

SetPosition(_Wrapper, slidePosition);

//following lines are for future usage, not ready yet
//if (!_IsDragging || !_IsCaptionSliderPlayingWhenDragStart) {
//    var _DealWithParallax;
//    if (IsCurrentSlideIndex(slideIndex)) {
//        if (_CaptionSliderOptions.$PlayOutMode == 2)
//            _DealWithParallax = true;
//    }
//    else {
//        if (!_CaptionSliderOptions.$PlayInMode) {
//            //PlayInMode: 0 none
//            _CaptionSliderIn.$GoToEnd();
//        }
//        //else if (_CaptionSliderOptions.$PlayInMode == 1) {
//            //    //PlayInMode: 1 chain
//            //    _CaptionSliderIn.$GoToBegin();
//            //}
//        else if (_CaptionSliderOptions.$PlayInMode == 2) {
//            //PlayInMode: 2 parallel
//            _DealWithParallax = true;
//        }
//    }
//}

//    if (_DealWithParallax) {
//
//_CaptionSliderIn.$GoToPosition((_CaptionSliderIn.$GetPosition_OuterEnd() -
//_CaptionSliderIn.$GetPosition_OuterBegin()) * Math.abs(newOffset - 1) * .8 +
//_CaptionSliderIn.$GetPosition_OuterBegin());
//    }
//}
};

```

```

_SelfSlideItem.$GetCaptionSliderIn = function () {
    return _CaptionSliderIn;
};

_SelfSlideItem.$GetCaptionSliderOut = function () {
    return _CaptionSliderOut;
};

_SelfSlideItem.$Index = slideIndex;

$JssorObject$.call(_SelfSlideItem);

//SlideItem Constructor
{

    var thumb = $Jssor$.$FindChild(slideElmt, "thumb", true);
    if (thumb) {
        _SelfSlideItem.$Thumb = $Jssor$.$CloneNode(thumb);
        $Jssor$.$RemoveAttribute(thumb, "id");
        $Jssor$.$HideElement(thumb);
    }
    $Jssor$.$ShowElement(slideElmt);

    _LoadingScreen = $Jssor$.$CloneNode(_LoadingContainer);
    $Jssor$.$CssZIndex(_LoadingScreen, 1000);

    //cancel click event on <A> element when a drag of slide succeeded
    $Jssor$.$AddEvent(slideElmt, "click", LinkClickEventHandler);

    ResetCaptionSlider(true);

    _SelfSlideItem.$Image = _ImageItem;

```



```

        _SelfSlideItem.$Link = _LinkItem;

        _SelfSlideItem.$Item = slideElmt;

        _SelfSlideItem.$Wrapper = _Wrapper = slideElmt;
        $Jssor$.AppendChild(_Wrapper, _LoadingScreen);

        _SelfSlider.$On(203, ParkEventHandler);
        _SelfSlider.$On(28, FreezeEventHandler);
        _SelfSlider.$On(24, SwipeStartEventHandler);

        $JssorDebug$.Execute(function () {
            _SequenceNumber = _SlideItemCreatedCount++;
        });

        $JssorDebug$.Execute(function () {
            $Jssor$.Attribute(_Wrapper, "debug-id", "slide-" + slideIndex);
        });
    }
}

//SlideItem

//Processor

function Processor(slideElmt, slideIndex, slideshowProcessor, captionSliderIn,
captionSliderOut) {

    var _SelfProcessor = this;

    var _ProgressBegin = 0;
    var _SlideshowBegin = 0;
    var _SlideshowEnd;
    var _CaptionInBegin;

```

```

var _IdleBegin;
var _IdleEnd;
var _ProgressEnd;

var _IsSlideshowRunning;
var _IsRollingBack;

var _PlayerInstance;
var _IsPlayerOnService;

var slideItem = _SlideItems[slideIndex];

$JssorAnimator$.call(_SelfProcessor, 0, 0);

function UpdateLink() {

    $Jssor$.$ClearChildren(_LinkContainer);

    if (_ShowLink && _IsSlideshowRunning && slideItem.$Link) {
        $Jssor$.$AppendChild(_LinkContainer, slideItem.$Link);
    }

    $Jssor$.$ShowElement(_LinkContainer, !_IsSlideshowRunning &&
slideItem.$Image);
}

function ProcessCompleteEventHandler() {

    if (_IsRollingBack) {
        _IsRollingBack = false;
        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_ROLLBACK_END, slideIndex,
_IdleEnd, _ProgressBegin, _IdleBegin, _IdleEnd, _ProgressEnd);
    }
}

```

```

        _SelfProcessor.$GoToPosition(_IdleBegin);
    }

    _SelfProcessor.$Replay();
}

function PlayerSwitchEventHandler(isOnService) {
    _IsPlayerOnService = isOnService;

    _SelfProcessor.$Stop();
    _SelfProcessor.$Replay();
}

_SelfProcessor.$Replay = function () {

    var currentPosition = _SelfProcessor.$GetPosition_Display();

    if (!_IsDragging && !_IsSliding && !_IsPlayerOnService && _CurrentSlideIndex
    == slideIndex) {

        if (!currentPosition) {
            if (_SlideshowEnd && !_IsSlideshowRunning) {
                _IsSlideshowRunning = true;

                _SelfProcessor.$OpenSlideshowPanel(true);

                _SelfSlider.$TriggerEvent(JssorSlider.$EVT_SLIDESHOW_START,
                slideIndex, _ProgressBegin, _SlideshowBegin, _SlideshowEnd, _ProgressEnd);
            }

            UpdateLink();
        }
    }
}

```

```

var toPosition;
var stateEvent = JssorSlider.$EVT_STATE_CHANGE;

if (currentPosition != _ProgressEnd) {
    if (currentPosition == _IdleEnd) {
        toPosition = _ProgressEnd;
    }
    else if (currentPosition == _IdleBegin) {
        toPosition = _IdleEnd;
    }
    else if (!currentPosition) {
        toPosition = _IdleBegin;
    }
    else if (currentPosition > _IdleEnd) {
        _IsRollingBack = true;
        toPosition = _IdleEnd;
        stateEvent = JssorSlider.$EVT_ROLLBACK_START;
    }
    else {
        //continue from break (by drag or lock)
        toPosition = _SelfProcessor.$GetPlayToPosition();
    }
}

//$JssorDebug$.Execute(function () {
//    if (currentPosition == _ProgressEnd) {
//        debugger;
//    }
//});

```

```

        _SelfSlider.$TriggerEvent(stateEvent, slideIndex, currentPosition,
        _ProgressBegin, _IdleBegin, _IdleEnd, _ProgressEnd);

        var allowAutoPlay = _AutoPlay && (!_HoverToPause || _NotOnHover);

        if (currentPosition == _ProgressEnd) {
            (_IdleEnd != _ProgressEnd && !(_HoverToPause & 12) || allowAutoPlay)
            && slideItem.$GoForNextSlide();
        }
        else if (allowAutoPlay || currentPosition != _IdleEnd) {
            _SelfProcessor.$PlayToPosition(toPosition, ProcessCompleteEventHandler);
        }
    }
};

```

```

        _SelfProcessor.$AdjustIdleOnPark = function () {
            if (_IdleEnd == _ProgressEnd && _IdleEnd ==
            _SelfProcessor.$GetPosition_Display())
                _SelfProcessor.$GoToPosition(_IdleBegin);
        };

```

```

        _SelfProcessor.$Abort = function () {
            _SlideshowRunner && _SlideshowRunner.$Index == slideIndex &&
            _SlideshowRunner.$Clear();
        };

```

```

        var currentPosition = _SelfProcessor.$GetPosition_Display();
        if (currentPosition < _ProgressEnd) {
            _SelfSlider.$TriggerEvent(JssorSlider.$EVT_STATE_CHANGE, slideIndex, -
            currentPosition - 1, _ProgressBegin, _IdleBegin, _IdleEnd, _ProgressEnd);
        }
    };

```

```

        _SelfProcessor.$OpenSlideshowPanel = function (open) {
            if (slideshowProcessor) {

```

```

        $Jssor$.CssOverflow(_SlideshowPanel, open &&
slideshowProcessor.$Transition.$Outside ? "" : "hidden");
    }
};

_SelfProcessor.$OnInnerOffsetChange = function (oldPosition, newPosition) {

    if (_IsSlideshowRunning && newPosition >= _SlideshowEnd) {
        _IsSlideshowRunning = false;
        UpdateLink();
        slideItem.$UnhideContentForSlideshow();
        _SlideshowRunner.$Clear();

        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_SLIDESHOW_END, slideIndex,
_ProgressBegin, _SlideshowBegin, _SlideshowEnd, _ProgressEnd);
    }

    _SelfSlider.$TriggerEvent(JssorSlider.$EVT_PROGRESS_CHANGE, slideIndex,
newPosition, _ProgressBegin, _IdleBegin, _IdleEnd, _ProgressEnd);
};

_SelfProcessor.$SetPlayer = function (playerInstance) {
    if (playerInstance && !_PlayerInstance) {
        _PlayerInstance = playerInstance;

        playerInstance.$On($JssorPlayer$.EVT_SWITCH,
PlayerSwitchEventHandler);
    }
};

//Processor Constructor
{
    if (slideshowProcessor) {

```

```

        _SelfProcessor.$Chain(slideshowProcessor);
    }

    _SlideshowEnd = _SelfProcessor.$GetPosition_OuterEnd();
    _CaptionInBegin = _SelfProcessor.$GetPosition_OuterEnd();
    _SelfProcessor.$Chain(captionSliderIn);
    _IdleBegin = captionSliderIn.$GetPosition_OuterEnd();
    _IdleEnd = _IdleBegin + ($Jssor$.parseFloat($Jssor$.AttributeEx(slideElmt,
"idle")) || _Options.$AutoPlayInterval);

    captionSliderOut.$Shift(_IdleEnd);
    _SelfProcessor.$Combine(captionSliderOut);
    _ProgressEnd = _SelfProcessor.$GetPosition_OuterEnd();
}
}
//Processor
//private classes

function SetPosition(elmt, position) {
    var orientation = _DragOrientation > 0 ? _DragOrientation : _PlayOrientation;
    var x = _StepLengthX * position * (orientation & 1);
    var y = _StepLengthY * position * ((orientation >> 1) & 1);

    if ($Jssor$.IsBrowserChrome() && $Jssor$.BrowserVersion() < 38) {
        x = x.toFixed(3);
        y = y.toFixed(3);
    }
    else {
        x = Math.round(x);
        y = Math.round(y);
    }
}

```

```

        if ($Jssor$.IsBrowserIE() && $Jssor$.BrowserVersion() >= 10 &&
$Jssor$.BrowserVersion() < 11) {

            elmt.style.msTransform = "translate(" + x + "px, " + y + "px)";

        }

        else if ($Jssor$.IsBrowserChrome() && $Jssor$.BrowserVersion() >= 30 &&
$Jssor$.BrowserVersion() < 34) {

            elmt.style.WebkitTransition = "transform 0s";

            elmt.style.WebkitTransform = "translate3d(" + x + "px, " + y + "px, 0px)
perspective(2000px)";

        }

        else {

            $Jssor$.CssLeft(elmt, x);

            $Jssor$.CssTop(elmt, y);

        }

    }

```

//Event handling begin

```

function OnMouseDown(event) {

    var tagName = $Jssor$.EventSrc(event).tagName;

    if (!_DragOrientationRegistered && tagName != "INPUT" && tagName !=
"TEXTAREA" && tagName != "SELECT" && RegisterDrag()) {

        OnDragStart(event);

    }

}

```

```

function RecordFreezePoint() {

    _CarouselPlaying_OnFreeze = _IsSliding;

    _PlayToPosition_OnFreeze = _CarouselPlayer.$GetPlayToPosition();

    _Position_OnFreeze = _Conveyor.$GetPosition();

}

```



```

function Freeze() {

    RecordFreezePoint();

    if (_IsDragging || !_NotOnHover && (_HoverToPause & 12)) {
        _CarouselPlayer.$Stop();

        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_FREEZE);
    }

}

function Unfreeze(byDrag) {

    byDrag && RecordFreezePoint();

    if (!_IsDragging && (_NotOnHover || !(_HoverToPause & 12)) &&
        !_CarouselPlayer.$IsPlaying()) {

        var currentPosition = _Conveyor.$GetPosition();
        var toPosition = Math.ceil(_Position_OnFreeze);

        if (byDrag && Math.abs(_DragOffsetTotal) >= _Options.$MinDragOffsetToSlide)
        {
            toPosition = Math.ceil(currentPosition);
            toPosition += _DragIndexAdjust;
        }

        if (!(_Loop & 1)) {
            toPosition = Math.min(_SlideCount - _DisplayPieces, Math.max(toPosition, 0));
        }
    }
}

```

```

var t = Math.abs(toPosition - currentPosition);
t = 1 - Math.pow(1 - t, 5);

if (!_LastDragSucceeded && _CarouselPlaying_OnFreeze) {
    _CarouselPlayer.$Continue(_PlayToPosition_OnFreeze);
}
else if (currentPosition == toPosition) {
    _CurrentSlideItem.$EnablePlayer();
    _CurrentSlideItem.$TryActivate();
}
else {

    _CarouselPlayer.$PlayCarousel(currentPosition, toPosition, t * _SlideDuration);
}
}
}

function OnDragStart(event) {

    _IsDragging = true;
    _DragInvalid = false;
    _LoadingTicket = null;

    $Jssor$.AddEvent(document, _MoveEvent, OnDragMove);

    _LastTimeMoveByDrag = $Jssor$.GetNow() - 50;

    _LastDragSucceeded = 0;
    Freeze();

    if (!_CarouselPlaying_OnFreeze)

```

```

        _DragOrientation = 0;

        if (_HandleTouchEventOnly) {
            var touchPoint = event.touches[0];
            _DragStartMouseX = touchPoint.clientX;
            _DragStartMouseY = touchPoint.clientY;
        }
        else {
            var mousePoint = $Jssor$. $MousePosition(event);

            _DragStartMouseX = mousePoint.x;
            _DragStartMouseY = mousePoint.y;

            $Jssor$. $CancelEvent(event);
        }

        _DragOffsetTotal = 0;
        _DragOffsetLastTime = 0;
        _DragIndexAdjust = 0;

        //Trigger EVT_DRAGSTART
        _SelfSlider.$TriggerEvent(JssorSlider.$EVT_DRAG_START,
        GetRealIndex(_Position_OnFreeze), _Position_OnFreeze, event);
    }

    function OnDragMove(event) {
        if (_IsDragging && (!$Jssor$. $IsBrowserIe9Earlier() || event.button)) {
            var actionPoint;

            if (_HandleTouchEventOnly) {
                var touches = event.touches;

                if (touches && touches.length > 0) {

```

```

        actionPoint = { x: touches[0].clientX, y: touches[0].clientY };
    }
}
else {
    actionPoint = $Jssor$.MousePosition(event);
}

if (actionPoint) {
    var distanceX = actionPoint.x - _DragStartMouseX;
    var distanceY = actionPoint.y - _DragStartMouseY;

    if (Math.floor(_Position_OnFreeze) != _Position_OnFreeze)
        _DragOrientation = _DragOrientation || (_PlayOrientation &
        _DragOrientationRegistered);

    if ((distanceX || distanceY) && !_DragOrientation) {
        if (_DragOrientationRegistered == 3) {
            if (Math.abs(distanceY) > Math.abs(distanceX)) {
                _DragOrientation = 2;
            }
            else
                _DragOrientation = 1;
        }
        else {
            _DragOrientation = _DragOrientationRegistered;
        }

        if (_IsTouchDevice && _DragOrientation == 1 && Math.abs(distanceY) -
        Math.abs(distanceX) > 3) {
            _DragInvalid = true;
        }
    }
}

```

```

    }

    if (_DragOrientation) {
        var distance = distanceY;
        var stepLength = _StepLengthY;

        if (_DragOrientation == 1) {
            distance = distanceX;
            stepLength = _StepLengthX;
        }

        if (!(_Loop & 1)) {
            if (distance > 0) {
                var normalDistance = stepLength * _CurrentSlideIndex;
                var sqrtDistance = distance - normalDistance;
                if (sqrtDistance > 0) {
                    distance = normalDistance + Math.sqrt(sqrtDistance) * 5;
                }
            }

            if (distance < 0) {
                var normalDistance = stepLength * (_SlideCount - _DisplayPieces -
                _CurrentSlideIndex);
                var sqrtDistance = -distance - normalDistance;

                if (sqrtDistance > 0) {
                    distance = -normalDistance - Math.sqrt(sqrtDistance) * 5;
                }
            }
        }

        if (_DragOffsetTotal - _DragOffsetLastTime < -2) {

```

```

        _DragIndexAdjust = 0;
    }
    else if (_DragOffsetTotal - _DragOffsetLastTime > 2) {
        _DragIndexAdjust = -1;
    }

    _DragOffsetLastTime = _DragOffsetTotal;
    _DragOffsetTotal = distance;
    _PositionToGoByDrag = _Position_OnFreeze - _DragOffsetTotal /
stepLength / (_ScaleRatio || 1);

    if (_DragOffsetTotal && _DragOrientation && !_DragInvalid) {
        $Jssor$.CancelEvent(event);
        if (!_IsSliding) {
            _CarouselPlayer.$StandBy(_PositionToGoByDrag);
        }
        else
            _CarouselPlayer.$SetStandByPosition(_PositionToGoByDrag);
    }
    else if ($Jssor$.IsBrowserIe9Earlier()) {
        $Jssor$.CancelEvent(event);
    }
}
}
}
else {
    OnDragEnd(event);
}
}

function OnDragEnd(event) {
    UnregisterDrag();

```

```

if (_IsDragging) {

    _IsDragging = false;

    _LastTimeMoveByDrag = $Jssor$. $GetNow();

    $Jssor$. $RemoveEvent(document, _MoveEvent, OnDragMove);

    _LastDragSucceded = _DragOffsetTotal;

    _LastDragSucceded && $Jssor$. $CancelEvent(event);

    _CarouselPlayer. $Stop();

    var currentPosition = _Conveyor. $GetPosition();

    //Trigger EVT_DRAG_END
    _SelfSlider. $TriggerEvent(JssorSlider. $EVT_DRAG_END,
    GetRealIndex(currentPosition), currentPosition, GetRealIndex(_Position_OnFreeze),
    _Position_OnFreeze, event);

    Unfreeze(true);
}
}
//Event handling end

function SetCurrentSlideIndex(index) {
    _PrevSlideItem = _SlideItems[_CurrentSlideIndex];
    _PreviousSlideIndex = _CurrentSlideIndex;
    _CurrentSlideIndex = GetRealIndex(index);
    _CurrentSlideItem = _SlideItems[_CurrentSlideIndex];
}

```

```

ResetNavigator(index);
return _CurrentSlideIndex;
}

function OnPark(slideIndex, prevIndex) {
    _DragOrientation = 0;

    SetCurrentSlideIndex(slideIndex);

    //Trigger EVT_PARK
    _SelfSlider.$TriggerEvent(JssorSlider.$EVT_PARK, GetRealIndex(slideIndex),
prevIndex);
}

function ResetNavigator(index, temp) {
    _TempSlideIndex = index;
    $Jssor$.Each(_Navigators, function (navigator) {
        navigator.$SetCurrentIndex(GetRealIndex(index), index, temp);
    });
}

function RegisterDrag() {
    var dragRegistry = JssorSlider.$DragRegistry || 0;
    var dragOrientation = _DragEnabled;
    if (_IsTouchDevice)
        (dragOrientation & 1) && (dragOrientation &= 1);
    JssorSlider.$DragRegistry |= dragOrientation;

    return (_DragOrientationRegistered = dragOrientation & ~dragRegistry);
}

function UnregisterDrag() {

```



```

    if (_DragOrientationRegistered) {
        JssorSlider.$DragRegistry &= ~_DragEnabled;
        _DragOrientationRegistered = 0;
    }
}

function CreatePanel() {
    var div = $Jssor$.CreateDiv();

    $Jssor$.SetStyles(div, _StyleDef);
    $Jssor$.CssPosition(div, "absolute");

    return div;
}

function GetRealIndex(index) {
    return (index % _SlideCount + _SlideCount) % _SlideCount;
}

function IsCurrentSlideIndex(index) {
    return GetRealIndex(index) == _CurrentSlideIndex;
}

function IsPreviousSlideIndex(index) {
    return GetRealIndex(index) == _PreviousSlideIndex;
}

//Navigation Request Handler
function NavigationClickHandler(index, relative) {
    if (relative) {
        if (!_Loop) {
            //Stop at threshold

```

```

        index = Math.min(Math.max(index + _TempSlideIndex, 0), _SlideCount -
_DisplayPieces);
        relative = false;
    }
    else if (_Loop & 2) {
        //Rewind
        index = GetRealIndex(index + _TempSlideIndex);
        relative = false;
    }
}
PlayTo(index, _Options.$SlideDuration, relative);
}

```

```

function ShowNavigators() {
    $Jssor$.Each(_Navigators, function (navigator) {
        navigator.$Show(navigator.$Options.$ChanceToShow <= _NotOnHover);
    });
}

```

```

function MainContainerMouseLeaveEventHandler() {
    if (!_NotOnHover) {

        //$JssorDebug$.Log("mouseleave");

        _NotOnHover = 1;

        ShowNavigators();

        if (!_IsDragging) {
            (_HoverToPause & 12) && Unfreeze();
            (_HoverToPause & 3) && _SlideItems[_CurrentSlideIndex].$TryActivate();
        }
    }
}

```

```
}  
}
```

```
function MainContainerMouseEnterEventHandler() {
```

```
    if (_NotOnHover) {
```

```
        //$JssorDebug$.Log("mouseenter");
```

```
        _NotOnHover = 0;
```

```
        ShowNavigators();
```

```
        _IsDragging || !(_HoverToPause & 12) || Freeze();
```

```
    }
```

```
}
```

```
function AdjustSlidesContainerSize() {
```

```
    _StyleDef = { $Width: _SlideWidth, $Height: _SlideHeight, $Top: 0, $Left: 0 };
```

```
    $Jssor$.Each(_SlideElmts, function (slideElmt, i) {
```

```
        $Jssor$.SetStyles(slideElmt, _StyleDef);
```

```
        $Jssor$.CssPosition(slideElmt, "absolute");
```

```
        $Jssor$.CssOverflow(slideElmt, "hidden");
```

```
        $Jssor$.HideElement(slideElmt);
```

```
    });
```

```
    $Jssor$.SetStyles(_LoadingContainer, _StyleDef);
```

```
}
```

```

function PlayToOffset(offset, slideDuration) {
    PlayTo(offset, slideDuration, true);
}

function PlayTo(slideIndex, slideDuration, relative) {
    ///    <summary>
    ///        PlayTo( slideIndex [, slideDuration] ); //Play slider to position
'slideIndex' within a period calculated base on 'slideDuration'.
    ///    </summary>
    ///    <param name="slideIndex" type="Number">
    ///        slide slideIndex or position will be playing to
    ///    </param>
    ///    <param name="slideDuration" type="Number" optional="true">
    ///        base slide duration in milliseconds to calculate the whole duration to
complete this play request.
    ///    default value is '$SlideDuration' value which is specified when initialize the
slider.
    ///    </param>
    /// http://msdn.microsoft.com/en-us/library/vstudio/bb385682.aspx
    /// http://msdn.microsoft.com/en-us/library/vstudio/hh542720.aspx
    if (_CarouselEnabled && (!_IsDragging || _Options.$NaviQuitDrag)) {
        _IsSliding = true;
        _IsDragging = false;
        _CarouselPlayer.$Stop();

        {
            //Slide Duration
            if (slideDuration == undefined)
                slideDuration = _SlideDuration;

            var positionDisplay = _Carousel.$GetPosition_Display();
            var positionTo = slideIndex;
            if (relative) {

```

```

        positionTo = positionDisplay + slideIndex;
        if (slideIndex > 0)
            positionTo = Math.ceil(positionTo);
        else
            positionTo = Math.floor(positionTo);
    }

    if (!(_Loop & 1)) {
        positionTo = GetRealIndex(positionTo);
        positionTo = Math.max(0, Math.min(positionTo, _SlideCount -
_DisplayPieces));
    }

    var positionOffset = (positionTo - positionDisplay) % _SlideCount;
    positionTo = positionDisplay + positionOffset;

    var duration = positionDisplay == positionTo ? 0 : slideDuration *
Math.abs(positionOffset);
    duration = Math.min(duration, slideDuration * _DisplayPieces * 1.5);

    _CarouselPlayer.$PlayCarousel(positionDisplay, positionTo, duration || 1);
}
}
}

//private functions

//member functions

_SelfSlider.$PlayTo = PlayTo;

```

```
_SelfSlider.$GoTo = function (slideIndex) {  
    ///    <summary>  
    ///        instance.$GoTo( slideIndex ); //Go to the specifed slide immediately  
with no play.
```

```
    ///    </summary>  
    PlayTo(slideIndex, 1);  
};
```

```
_SelfSlider.$Next = function () {  
    ///    <summary>  
    ///        instance.$Next(); //Play the slider to next slide.  
    ///    </summary>  
    PlayToOffset(1);  
};
```

```
_SelfSlider.$Prev = function () {  
    ///    <summary>  
    ///        instance.$Prev(); //Play the slider to previous slide.  
    ///    </summary>  
    PlayToOffset(-1);  
};
```

```
_SelfSlider.$Pause = function () {  
    ///    <summary>  
    ///        instance.$Pause(); //Pause the slider, prevent it from auto playing.  
    ///    </summary>  
    _AutoPlay = false;  
};
```

```
_SelfSlider.$Play = function () {  
    ///    <summary>  
    ///        instance.$Play(); //Start auto play if the slider is currently paused.
```

```

    ///    </summary>
    if (!_AutoPlay) {
        _AutoPlay = true;
        _SlideItems[_CurrentSlideIndex] &&
        _SlideItems[_CurrentSlideIndex].$TryActivate();
    }
};

_SelfSlider.$SetSlideshowTransitions = function (transitions) {
    ///    <summary>
    ///        instance.$SetSlideshowTransitions( transitions ); //Reset slideshow
transitions for the slider.
    ///    </summary>
    $JssorDebug$.Execute(function () {
        if (!transitions || !transitions.length) {
            $JssorDebug$.Error("Can not set slideshow transitions, no transitions
specified.");
        }
    });

    $Jssor$.TranslateTransitions(transitions); //for old transition compatibility
    _Options.$SlideshowOptions.$Transitions = transitions;
};

_SelfSlider.$SetCaptionTransitions = function (transitions) {
    ///    <summary>
    ///        instance.$SetCaptionTransitions( transitions ); //Reset caption
transitions for the slider.
    ///    </summary>
    $JssorDebug$.Execute(function () {
        if (!transitions || !transitions.length) {
            $JssorDebug$.Error("Can not set caption transitions, no transitions specified");
        }
    });
};

```

```

});

$Jssor$.TranslateTransitions(transitions); //for old transition compatibility
_CaptionSliderOptions.$CaptionTransitions = transitions;
_CaptionSliderOptions.$Version = $Jssor$.GetNow();
};

_SelfSlider.$SlidesCount = function () {
    ///    <summary>
    ///        instance.$SlidesCount(); //Retrieve slides count of the slider.
    ///    </summary>
    return _SlideElmts.length;
};

_SelfSlider.$CurrentIndex = function () {
    ///    <summary>
    ///        instance.$CurrentIndex(); //Retrieve current slide index of the slider.
    ///    </summary>
    return _CurrentSlideIndex;
};

_SelfSlider.$IsAutoPlaying = function () {
    ///    <summary>
    ///        instance.$IsAutoPlaying(); //Retrieve auto play status of the slider.
    ///    </summary>
    return _AutoPlay;
};

_SelfSlider.$IsDragging = function () {
    ///    <summary>
    ///        instance.$IsDragging(); //Retrieve drag status of the slider.
    ///    </summary>

```



```

        return _IsDragging;
    };

    _SelfSlider.$IsSliding = function () {
        ///      <summary>
        ///          instance.$IsSliding(); //Retrieve right<-->left sliding status of the
slider.
        ///      </summary>
        return _IsSliding;
    };

    _SelfSlider.$IsMouseOver = function () {
        ///      <summary>
        ///          instance.$IsMouseOver(); //Retrieve mouse over status of the slider.
        ///      </summary>
        return !_NotOnHover;
    };

    _SelfSlider.$LastDragSucceeded = function () {
        ///      <summary>
        ///          instance.$IsLastDragSucceeded(); //Retrieve last drag succeeded status,
returns 0 if failed, returns drag offset if succeeded
        ///      </summary>
        return _LastDragSucceeded;
    };

    function OriginalWidth() {
        ///      <summary>
        ///          instance.$OriginalWidth(); //Retrieve original width of the slider.
        ///      </summary>
        return $Jssor$. $CssWidth(_ScaleWrapper || elmt);
    }

```

```

function OriginalHeight() {
    ///    <summary>
    ///        instance.$OriginalHeight(); //Retrieve original height of the slider.
    ///    </summary>
    return $Jssor$. $CssHeight(_ScaleWrapper || elmt);
}

_SelfSlider.$OriginalWidth = _SelfSlider.$GetOriginalWidth = OriginalWidth;

_SelfSlider.$OriginalHeight = _SelfSlider.$GetOriginalHeight = OriginalHeight;

function Scale(dimension, isHeight) {
    ///    <summary>
    ///        instance.$ScaleWidth(); //Retrieve scaled dimension the slider
currently displays.
    ///        instance.$ScaleWidth( dimension ); //Scale the slider to new width
and keep aspect ratio.
    ///    </summary>

    if (dimension == undefined)
        return $Jssor$. $CssWidth(elmt);

    $JssorDebug$. $Execute(function () {
        if (!dimension || dimension < 0) {
            $JssorDebug$. $Fail("$ScaleWidth' error, 'dimension' should be positive
value.");
        }
    });

    if (!_ScaleWrapper) {
        $JssorDebug$. $Execute(function () {
            var originalWidthStr = $Jssor$. $Css(elmt, "width");

```

```

var originalHeightStr = $Jssor$. $Css(elmt, "height");
var originalWidth = $Jssor$. $CssP(elmt, "width");
var originalHeight = $Jssor$. $CssP(elmt, "height");

if (!originalWidthStr) {
    $JssorDebug$. $Fail("Cannot scale jssor slider, 'dimension' of 'outer container'
not specified. Please specify 'dimension' in pixel. e.g. 'dimension: 600px;");
}

if (!originalHeightStr) {
    $JssorDebug$. $Fail("Cannot scale jssor slider, 'height' of 'outer container' not
specified. Please specify 'height' in pixel. e.g. 'height: 300px;");
}

if (originalWidthStr.indexOf('%') != -1) {
    $JssorDebug$. $Fail("Cannot scale jssor slider, 'dimension' of 'outer container'
not valid. Please specify 'dimension' in pixel. e.g. 'dimension: 600px;");
}

if (originalHeightStr.indexOf('%') != -1) {
    $JssorDebug$. $Fail("Cannot scale jssor slider, 'height' of 'outer container' not
valid. Please specify 'height' in pixel. e.g. 'height: 300px;");
}

if (!originalWidth) {
    $JssorDebug$. $Fail("Cannot scale jssor slider, 'dimension' of 'outer container'
not valid. 'dimension' of 'outer container' should be positive number. e.g. 'dimension:
600px;");
}

if (!originalHeight) {
    $JssorDebug$. $Fail("Cannot scale jssor slider, 'height' of 'outer container' not
valid. 'height' of 'outer container' should be positive number. e.g. 'height: 300px;");
}

```

```

});

var innerWrapper = $Jssor$.CreateDiv(document);
$Jssor$.CssText(innerWrapper, $Jssor$.CssText(elmt));
$Jssor$.ClassName(innerWrapper, $Jssor$.ClassName(elmt));

$Jssor$.CssPosition(innerWrapper, "relative");
$Jssor$.CssTop(innerWrapper, 0);
$Jssor$.CssLeft(innerWrapper, 0);
$Jssor$.CssOverflow(innerWrapper, "visible");

_ScaleWrapper = $Jssor$.CreateDiv(document);

$Jssor$.CssPosition(_ScaleWrapper, "absolute");
$Jssor$.CssTop(_ScaleWrapper, 0);
$Jssor$.CssLeft(_ScaleWrapper, 0);
$Jssor$.CssWidth(_ScaleWrapper, $Jssor$.CssWidth(elmt));
$Jssor$.CssHeight(_ScaleWrapper, $Jssor$.CssHeight(elmt));
$Jssor$.SetStyleTransformOrigin(_ScaleWrapper, "0 0");

$Jssor$.AppendChild(_ScaleWrapper, innerWrapper);

var children = $Jssor$.Children(elmt);
$Jssor$.AppendChild(elmt, _ScaleWrapper);

$Jssor$.Css(elmt, "backgroundImage", "");

var noMoveElmts = {
    "navigator": _BulletNavigatorOptions && _BulletNavigatorOptions.$Scale ==
false,
    "arrowleft": _ArrowNavigatorOptions && _ArrowNavigatorOptions.$Scale ==
false,

```

```

        "arrowright": _ArrowNavigatorOptions && _ArrowNavigatorOptions.$Scale ==
false,

        "thumbnavigator": _ThumbnailNavigatorOptions &&
_ThumbnailNavigatorOptions.$Scale == false,

        "thumbwrapper": _ThumbnailNavigatorOptions &&
_ThumbnailNavigatorOptions.$Scale == false

    };

```

```

    $Jssor$.Each(children, function (child) {

        $Jssor$.AppendChild(noMoveElmts[$Jssor$.AttributeEx(child, "u")] ? elmt :
innerWrapper, child);

    });

```

```

    $Jssor$.ShowElement(innerWrapper);
    $Jssor$.ShowElement(_ScaleWrapper);
}

```

```

$JssorDebug$.Execute(function () {

    if (!_InitialScrollWidth) {

        _InitialScrollWidth = _SelfSlider.$Elmt.scrollWidth;

    }

});

```

```

    _ScaleRatio = dimension / (isHeight? $Jssor$.CssHeight :
$Jssor$.CssWidth)(_ScaleWrapper);
    $Jssor$.CssScale(_ScaleWrapper, _ScaleRatio);

```

```

var scaleWidth = isHeight ? (_ScaleRatio * OriginalWidth()) : dimension;
var scaleHeight = isHeight ? dimension : (_ScaleRatio * OriginalHeight());

```

```

$Jssor$.CssWidth(elmt, scaleWidth);
$Jssor$.CssHeight(elmt, scaleHeight);

```

```

$Jssor$.Each(_Navigators, function (navigator) {

```

Nigel Hopkins (30026387)

```

        navigator.$Relocate(scaleWidth, scaleHeight);
    });
}

_SelfSlider.$ScaleHeight = _SelfSlider.$GetScaleHeight = function (height) {
    ///      <summary>
    ///          instance.$ScaleHeight(); //Retrieve scaled height the slider currently
displays.
    ///          instance.$ScaleHeight( dimension ); //Scale the slider to new height
and keep aspect ratio.
    ///      </summary>

    if (height == undefined)
        return $Jssor$. $CssHeight(elmt);

    Scale(height, true);
};

_SelfSlider.$ScaleWidth = _SelfSlider.$SetScaleWidth = _SelfSlider.$GetScaleWidth =
Scale;

_SelfSlider.$GetVirtualIndex = function (index) {
    var parkingIndex = Math.ceil(GetRealIndex(_ParkingPosition / _StepLength));
    var displayIndex = GetRealIndex(index - _CurrentSlideIndex + parkingIndex);

    if (displayIndex > _DisplayPieces) {
        if (index - _CurrentSlideIndex > _SlideCount / 2)
            index -= _SlideCount;
        else if (index - _CurrentSlideIndex <= -_SlideCount / 2)
            index += _SlideCount;
    }
    else {
        index = _CurrentSlideIndex + displayIndex - parkingIndex;
    }
}

```

```

    }

    return index;
};

//member functions

$JssorObject$.call(_SelfSlider);

$JssorDebug$.Execute(function () {
    var outerContainerElmt = $Jssor$.GetElement(elmt);
    if (!outerContainerElmt)
        $JssorDebug$.Fail("Outer container '" + elmt + "' not found.");
});

//initialize member variables
_SelfSlider.$Elmt = elmt = $Jssor$.GetElement(elmt);
//initialize member variables

var _InitialScrollWidth; //for debug only
var _CaptionSliderCount = 1; //for debug only

var _Options = $Jssor$.Extend({
    $FillMode: 0, //[[Optional] The way to fill image in slide, 0 stretch, 1
contain (keep aspect ratio and put all inside slide), 2 cover (keep aspect ratio and cover whole
slide), 4 actual size, 5 contain for large image, actual size for small image, default value is 0
    $LazyLoading: 1, //[[Optional] For image with lazy loading format (<IMG
src2="url" .../>), by default it will be loaded only when the slide comes.
    //But an integer value (maybe 0, 1, 2 or 3) indicates that how far of nearby slides
should be loaded immediately as well, default value is 1.
    $StartIndex: 0, //[[Optional] Index of slide to display when initialize, default
value is 0
    $AutoPlay: false, //[[Optional] Whether to auto play, default value is false

```

`$Loop: 1,` `//[Optional] Enable loop(circular) of carousel or not, 0: stop,`
1: loop, 2 rewind, default value is 1

`$HWA: true,` `//[Optional] Enable hardware acceleration or not, default`
value is true

`$NaviQuitDrag: true,`

`$AutoPlaySteps: 1,` `//[Optional] Steps to go of every play (this options applys`
only when slideshow disabled), default value is 1

`$AutoPlayInterval: 3000,` `//[Optional] Interval to play next slide since the`
previous stopped if a slideshow is auto playing, default value is 3000

`$PauseOnHover: 1,` `//[Optional] Whether to pause when mouse over if a`
slider is auto playing, 0 no pause, 1 pause for desktop, 2 pause for touch device, 3 pause for
desktop and touch device, 4 freeze for desktop, 8 freeze for touch device, 12 freeze for
desktop and touch device, default value is 1

`$SlideDuration: 500,` `//[Optional] Specifies default duration (swipe) for slide in`
milliseconds, default value is 400

`$SlideEasing: $JssorEasing$.EaseOutQuad,` `//[Optional] Specifies easing for right`
to left animation, default value is `$JssorEasing$.EaseOutQuad`

`$MinDragOffsetToSlide: 20,` `//[Optional] Minimum drag offset that trigger slide,`
default value is 20

`$SlideSpacing: 0,` `//[Optional] Space between each slide in`
pixels, default value is 0

`$DisplayPieces: 1,` `//[Optional] Number of pieces to display (the slideshow`
would be disabled if the value is set to greater than 1), default value is 1

`$ParkingPosition: 0,` `//[Optional] The offset position to park slide (this options`
applys only when slideshow disabled), default value is 0.

`$UISearchMode: 1,` `//[Optional] The way (0 parellel, 1 recursive, default`
value is recursive) to search UI components (slides container, loading screen, navigator
container, arrow navigator container, thumbnail navigator container etc.

`$PlayOrientation: 1,` `//[Optional] Orientation to play slide (for auto play,`
navigation), 1 horizontal, 2 vertical, 5 horizontal reverse, 6 vertical reverse, default value is 1

`$DragOrientation: 1` `//[Optional] Orientation to drag slide, 0 no drag, 1`
horizontal, 2 vertical, 3 both, default value is 1 (Note that the `$DragOrientation` should be the
same as `$PlayOrientation` when `$DisplayPieces` is greater than 1, or parking position is not 0)

`}, options);`

`//Sodo statement for development time intellisence only`


```

$JssorDebug$.Execute(function () {
    _Options = $Jssor$.Extend({
        $ArrowKeyNavigation: undefined,
        $SlideWidth: undefined,
        $SlideHeight: undefined,
        $SlideshowOptions: undefined,
        $CaptionSliderOptions: undefined,
        $BulletNavigatorOptions: undefined,
        $ArrowNavigatorOptions: undefined,
        $ThumbnailNavigatorOptions: undefined
    },
    _Options);
});

var _PlayOrientation = _Options.$PlayOrientation & 3;
var _PlayReverse = (_Options.$PlayOrientation & 4) / -4 || 1;

var _SlideshowOptions = _Options.$SlideshowOptions;
var _CaptionSliderOptions = $Jssor$.Extend({ $Class: $JssorCaptionSliderBase$,
$PlayInMode: 1, $PlayOutMode: 1 }, _Options.$CaptionSliderOptions);
$Jssor$.TranslateTransitions(_CaptionSliderOptions.$CaptionTransitions); //for old
transition compatibility
var _BulletNavigatorOptions = _Options.$BulletNavigatorOptions;
var _ArrowNavigatorOptions = _Options.$ArrowNavigatorOptions;
var _ThumbnailNavigatorOptions = _Options.$ThumbnailNavigatorOptions;

$JssorDebug$.Execute(function () {
    if (_SlideshowOptions && !_SlideshowOptions.$Class) {
        $JssorDebug$.Fail("Option $SlideshowOptions error, class not specified.");
    }
});

```

```

$JssorDebug$.Execute(function () {
    if (_Options.$CaptionSliderOptions && !_Options.$CaptionSliderOptions.$Class) {
        $JssorDebug$.Fail("Option $CaptionSliderOptions error, class not specified.");
    }
});

```

```

$JssorDebug$.Execute(function () {
    if (_BulletNavigatorOptions && !_BulletNavigatorOptions.$Class) {
        $JssorDebug$.Fail("Option $BulletNavigatorOptions error, class not specified.");
    }
});

```

```

$JssorDebug$.Execute(function () {
    if (_ArrowNavigatorOptions && !_ArrowNavigatorOptions.$Class) {
        $JssorDebug$.Fail("Option $ArrowNavigatorOptions error, class not specified.");
    }
});

```

```

$JssorDebug$.Execute(function () {
    if (_ThumbnailNavigatorOptions && !_ThumbnailNavigatorOptions.$Class) {
        $JssorDebug$.Fail("Option $ThumbnailNavigatorOptions error, class not
specified.");
    }
});

```

```

var _UISearchNoDeep = !_Options.$UISearchMode;
var _ScaleWrapper;
var _SlidesContainer = $Jssor$.FindChild(elmt, "slides", _UISearchNoDeep);
var _LoadingContainer = $Jssor$.FindChild(elmt, "loading", _UISearchNoDeep) ||
$Jssor$.CreateDiv(document);

```

```

var _BulletNavigatorContainer = $Jssor$.FindChild(elmt, "navigator",
_UISearchNoDeep);

```

```

var _ArrowLeft = $Jssor$.FindChild(elmt, "arrowleft", _UISearchNoDeep);
var _ArrowRight = $Jssor$.FindChild(elmt, "arrowright", _UISearchNoDeep);

var _ThumbnailNavigatorContainer = $Jssor$.FindChild(elmt, "thumbnavigator",
_UISearchNoDeep);

$JssorDebug$.Execute(function () {
    //if (_BulletNavigatorOptions && !_BulletNavigatorContainer) {
        // throw new Error("$BulletNavigatorOptions specified but bullet navigator
container (<div u=\"navigator\" ...) not defined.");
    //}

    if (_BulletNavigatorContainer && !_BulletNavigatorOptions) {
        throw new Error("Bullet navigator container defined but $BulletNavigatorOptions
not specified.");
    }

    //if (_ArrowNavigatorOptions) {
        // if (!_ArrowLeft) {
            // throw new Error("$ArrowNavigatorOptions specified, but arrowleft (<span
u=\"arrowleft\" ...) not defined.");
        // }

        // if (!_ArrowRight) {
            // throw new Error("$ArrowNavigatorOptions specified, but arrowright (<span
u=\"arrowright\" ...) not defined.");
        // }

        //}

    if ((_ArrowLeft || _ArrowRight) && !_ArrowNavigatorOptions) {
        throw new Error("arrowleft or arrowright defined, but $ArrowNavigatorOptions
not specified.");
    }
}

```

```

    //if (_ThumbnailNavigatorOptions && !_ThumbnailNavigatorContainer) {
        // throw new Error("$ThumbnailNavigatorOptions specified, but thumbnail
navigator container (<div u=\"thumbnavigator\" ...) not defined.");
    //}

    if (_ThumbnailNavigatorContainer && !_ThumbnailNavigatorOptions) {
        throw new Error("Thumbnail navigator container defined, but
$ThumbnailNavigatorOptions not specified.");
    }
});

var _SlidesContainerWidth = $Jssor$. $CssWidth(_SlidesContainer);
var _SlidesContainerHeight = $Jssor$. $CssHeight(_SlidesContainer);

$JssorDebug$. $Execute(function () {
    if (isNaN(_SlidesContainerWidth))
        $JssorDebug$. $Fail("Width of slides container wrong specification, it should be
specified in pixel (like style='width: 600px;').");

    if (_SlidesContainerWidth == undefined)
        $JssorDebug$. $Fail("Width of slides container not specified, it should be specified
in pixel (like style='width: 600px;').");

    if (isNaN(_SlidesContainerHeight))
        $JssorDebug$. $Fail("Height of slides container wrong specification, it should be
specified in pixel (like style='height: 300px;').");

    if (_SlidesContainerHeight == undefined)
        $JssorDebug$. $Fail("Height of slides container not specified, it should be specified
in pixel (like style='height: 300px;').");

    var slidesContainerOverflow = $Jssor$. $CssOverflow(_SlidesContainer);
    var slidesContainerOverflowX = $Jssor$. $Css(_SlidesContainer, "overflowX");
    var slidesContainerOverflowY = $Jssor$. $Css(_SlidesContainer, "overflowY");

```

```

    if (slidesContainerOverflow != "hidden" && (slidesContainerOverflowX != "hidden"
|| slidesContainerOverflowY != "hidden"))

        $JssorDebug$.Fail("Overflow of slides container wrong specification, it should be
specified as 'hidden' (style='overflow:hidden;').");

//var slidesContainerTop = $Jssor$.CssTop(_SlidesContainer);
//var slidesContainerLeft = $Jssor$.CssLeft(_SlidesContainer);

//if (isNaN(slidesContainerTop))

    // $JssorDebug$.Fail("Top of slides container wrong specification, it should be
specified in pixel (like style='top: 0px;').");

//if (slidesContainerTop == undefined)

    // $JssorDebug$.Fail("Top of slides container not specified, it should be specified
in pixel (like style='top: 0px;').");

//if (isNaN(slidesContainerLeft))

    // $JssorDebug$.Fail("Left of slides container wrong specification, it should be
specified in pixel (like style='left: 0px;').");

//if (slidesContainerLeft == undefined)

    // $JssorDebug$.Fail("Left of slides container not specified, it should be specified
in pixel (like style='left: 0px;').");

});

$JssorDebug$.Execute(function () {

    if (!$Jssor$.IsNumeric(_Options.$DisplayPieces))

        $JssorDebug$.Fail("Option $DisplayPieces error, it should be a numeric value and
greater than or equal to 1.");

    if (_Options.$DisplayPieces < 1)

        $JssorDebug$.Fail("Option $DisplayPieces error, it should be greater than or
equal to 1.");

```

```

        if (_Options.$DisplayPieces > 1 && _Options.$DragOrientation &&
        _Options.$DragOrientation != _PlayOrientation)

            $JssorDebug$.Fail("Option $DragOrientation error, it should be 0 or the same of
            $PlayOrientation when $DisplayPieces is greater than 1.");

        if (!$Jssor$.IsNumeric(_Options.$ParkingPosition))

            $JssorDebug$.Fail("Option $ParkingPosition error, it should be a numeric
            value.");

        if (_Options.$ParkingPosition && _Options.$DragOrientation &&
        _Options.$DragOrientation != _PlayOrientation)

            $JssorDebug$.Fail("Option $DragOrientation error, it should be 0 or the same of
            $PlayOrientation when $ParkingPosition is not equal to 0.");

    });

    var _StyleDef;

    var _SlideElmts = [];

    {

        var slideElmts = $Jssor$.Children(_SlidesContainer);
        $Jssor$.Each(slideElmts, function (slideElmt) {

            if (slideElmt.tagName == "DIV" && !$Jssor$.AttributeEx(slideElmt, "u")) {

                _SlideElmts.push(slideElmt);

            }

        });

    }

    $JssorDebug$.Execute(function () {

        if (_SlideElmts.length < 1) {

            $JssorDebug$.Error("Slides html code definition error, there must be at least 1
            slide to initialize a slider.");

        }

    });

```

```

var _SlideItemCreatedCount = 0; //for debug only
var _SlideItemReleasedCount = 0; //for debug only

var _PreviousSlideIndex;
var _CurrentSlideIndex = -1;
var _TempSlideIndex;
var _PrevSlideItem;
var _CurrentSlideItem;
var _SlideCount = _SlideElmts.length;

var _SlideWidth = _Options.$SlideWidth || _SlidesContainerWidth;
var _SlideHeight = _Options.$SlideHeight || _SlidesContainerHeight;

var _SlideSpacing = _Options.$SlideSpacing;
var _StepLengthX = _SlideWidth + _SlideSpacing;
var _StepLengthY = _SlideHeight + _SlideSpacing;
var _StepLength = (_PlayOrientation & 1) ? _StepLengthX : _StepLengthY;
var _DisplayPieces = Math.min(_Options.$DisplayPieces, _SlideCount);

var _SlideshowPanel;
var _CurrentBoardIndex = 0;
var _DragOrientation;
var _DragOrientationRegistered;
var _DragInvalid;

var _HandleTouchEventOnly;
var _IsTouchDevice;

var _Navigators = [];
var _BulletNavigator;
var _ArrowNavigator;

```

```

var _ThumbnailNavigator;

var _ShowLink;

var _Frozen;
var _AutoPlay;
var _AutoPlaySteps = _Options.$AutoPlaySteps;
var _HoverToPause = _Options.$PauseOnHover;
var _AutoPlayInterval = _Options.$AutoPlayInterval;
var _SlideDuration = _Options.$SlideDuration;

var _SlideshowRunnerClass;
var _TransitionsOrder;

var _SlideshowEnabled;
var _ParkingPosition;
var _CarouselEnabled = _DisplayPieces < _SlideCount;
var _Loop = _CarouselEnabled ? _Options.$Loop : 0;

var _DragEnabled;
var _LastDragSucceeded;

var _NotOnHover = 1; //0 Hovering, 1 Not hovering

//Variable Definition
var _IsSliding;
var _IsDragging;
var _LoadingTicket;

//The X position of mouse/touch when a drag start
var _DragStartMouseX = 0;

//The Y position of mouse/touch when a drag start

```



```

var _DragStartMouseY = 0;
var _DragOffsetTotal;
var _DragOffsetLastTime;
var _DragIndexAdjust;

var _Carousel;
var _Conveyor;
var _Slideshow;
var _CarouselPlayer;
var _SlideContainer = new SlideContainer();
var _ScaleRatio;

//JssorSlider$ Constructor
{
    _AutoPlay = _Options.$AutoPlay;
    _SelfSlider.$Options = options;

    AdjustSlidesContainerSize();

    elmt["jssor-slider"] = true;

    //_SlideshowPanel = CreatePanel();
    //$Jssor$. $CssZIndex(elmt, $Jssor$. $CssZIndex(elmt));
    //$Jssor$. $CssLeft(_SlideshowPanel, $Jssor$. $CssLeft(_SlidesContainer));
    //$Jssor$. $CssZIndex(_SlidesContainer, $Jssor$. $CssZIndex(_SlidesContainer));
    //$Jssor$. $CssTop(_SlideshowPanel, $Jssor$. $CssTop(_SlidesContainer));
    $Jssor$. $CssZIndex(_SlidesContainer, $Jssor$. $CssZIndex(_SlidesContainer) || 0);
    $Jssor$. $CssPosition(_SlidesContainer, "absolute");
    _SlideshowPanel = $Jssor$. $CloneNode(_SlidesContainer);
    $Jssor$. $InsertBefore($Jssor$. $ParentNode(_SlidesContainer), _SlideshowPanel,
_SlidesContainer);

```

```

if (_SlideshowOptions) {
    _ShowLink = _SlideshowOptions.$ShowLink;
    _SlideshowRunnerClass = _SlideshowOptions.$Class;

    $JssorDebug$.Execute(function () {
        if (!_SlideshowOptions.$Transitions || !_SlideshowOptions.$Transitions.length)
        {
            $JssorDebug$.Error("Invalid '$SlideshowOptions', no '$Transitions'
specified.");
        }
    });

    $Jssor$.TranslateTransitions(_SlideshowOptions.$Transitions); //for old transition
compatibility

    _SlideshowEnabled = _DisplayPieces == 1 && _SlideCount > 1 &&
_SlideshowRunnerClass && (!$Jssor$.IsBrowserIE() || $Jssor$.BrowserVersion() >= 8);
}

    _ParkingPosition = (_SlideshowEnabled || _DisplayPieces >= _SlideCount || !(_Loop
& 1)) ? 0 : _Options.$ParkingPosition;

    _DragEnabled = ((_DisplayPieces > 1 || _ParkingPosition) ? _PlayOrientation : -1) &
_Options.$DragOrientation;

    //SlideBoard
    var _SlideboardElmt = _SlidesContainer;
    var _SlideItems = [];

    var _SlideshowRunner;
    var _LinkContainer;

    var _DownEvent = "mousedown";
    var _MoveEvent = "mousemove";

```

```

var _UpEvent = "mouseup";
var _CancelEvent;

var _LastTimeMoveByDrag;
var _Position_OnFreeze;
var _CarouselPlaying_OnFreeze;
var _PlayToPosition_OnFreeze;
var _PositionToGoByDrag;

//SlideBoard Constructor
{
    var msPrefix;

    if (window.navigator.pointerEnabled || (msPrefix =
window.navigator.msPointerEnabled)) {
        _IsTouchDevice = true;

        _DownEvent = msPrefix ? "MSPointerDown" : "pointerdown";
        _MoveEvent = msPrefix ? "MSPointerMove" : "pointermove";
        _UpEvent = msPrefix ? "MSPointerUp" : "pointerup";
        _CancelEvent = msPrefix ? "MSPointerCancel" : "pointercancel";

        if (_DragEnabled) {
            var touchAction = "auto";
            if (_DragEnabled == 2) {
                touchAction = "pan-x";
            }
            else if (_DragEnabled) {
                touchAction = "pan-y";
            }
        }

        $Jssor$. $Css(_SlideboardElmt, msPrefix ? "msTouchAction" : "touchAction",
touchAction);
    }
}

```

```

    }
}
else if ("ontouchstart" in window || "createTouch" in document) {
    _HandleTouchEventOnly = true;
    _IsTouchDevice = true;

    _DownEvent = "touchstart";
    _MoveEvent = "touchmove";
    _UpEvent = "touchend";
    _CancelEvent = "touchcancel";
}

_Slideshow = new Slideshow();

if (_SlideshowEnabled)
    _SlideshowRunner = new _SlideshowRunnerClass(_SlideContainer,
_SlideWidth, _SlideHeight, _SlideshowOptions, _HandleTouchEventOnly);

$Jssor$.AppendChild(_SlideshowPanel, _Slideshow.$Wrapper);
$Jssor$.CssOverflow(_SlidesContainer, "hidden");

//link container
{
    _LinkContainer = CreatePanel();
    $Jssor$.Css(_LinkContainer, "backgroundColor", "#000");
    $Jssor$.CssOpacity(_LinkContainer, 0);
    $Jssor$.InsertBefore(_SlideboardElmt, _LinkContainer,
_SlideboardElmt.firstChild);
}

for (var i = 0; i < _SlideElmts.length; i++) {
    var slideElmt = _SlideElmts[i];

```

```

        var slideItem = new SlideItem(slideElmt, i);
        _SlideItems.push(slideItem);
    }

    $Jssor$.HideElement(_LoadingContainer);

    $JssorDebug$.Execute(function () {
        $Jssor$.Attribute(_LoadingContainer, "debug-id", "loading-container");
    });

    _Carousel = new Carousel()
    _CarouselPlayer = new CarouselPlayer(_Carousel, _Slideshow);

    $JssorDebug$.Execute(function () {
        $Jssor$.Attribute(_SlideboardElmt, "debug-id", "slide-board");
    });

    if (_DragEnabled) {
        $Jssor$.AddEvent(_SlidesContainer, _DownEvent, OnMouseDown);
        $Jssor$.AddEvent(document, _UpEvent, OnDragEnd);
        _CancelEvent && $Jssor$.AddEvent(document, _CancelEvent, OnDragEnd);
    }
}

//SlideBoard

_HoverToPause &= (_IsTouchDevice ? 10 : 5);

//Bullet Navigator

if (_BulletNavigatorContainer && _BulletNavigatorOptions) {
    _BulletNavigator = new
    _BulletNavigatorOptions.$Class(_BulletNavigatorContainer, _BulletNavigatorOptions,
    OriginalWidth(), OriginalHeight());
}

```

```

        _Navigators.push(_BulletNavigator);
    }

    //Arrow Navigator
    if (_ArrowNavigatorOptions && _ArrowLeft && _ArrowRight) {
        _ArrowNavigator = new _ArrowNavigatorOptions.$Class(_ArrowLeft,
        _ArrowRight, _ArrowNavigatorOptions, OriginalWidth(), OriginalHeight());
        _Navigators.push(_ArrowNavigator);
    }

    //Thumbnail Navigator
    if (_ThumbnailNavigatorContainer && _ThumbnailNavigatorOptions) {
        _ThumbnailNavigatorOptions.$StartIndex = _Options.$StartIndex;
        _ThumbnailNavigator = new
        _ThumbnailNavigatorOptions.$Class(_ThumbnailNavigatorContainer,
        _ThumbnailNavigatorOptions);
        _Navigators.push(_ThumbnailNavigator);
    }

    $Jssor$.Each(_Navigators, function (navigator) {
        navigator.$Reset(_SlideCount, _SlideItems, _LoadingContainer);
        navigator.$On($JssorNavigatorEvents$.NAVIGATIONREQUEST,
        NavigationClickHandler);
    });

    Scale(OriginalWidth());

    $Jssor$.AddEvent(elmt, "mouseout",
    $Jssor$.MouseOverOutFilter(MainContainerMouseLeaveEventHandler, elmt));

    $Jssor$.AddEvent(elmt, "mouseover",
    $Jssor$.MouseOverOutFilter(MainContainerMouseEnterEventHandler, elmt));

    ShowNavigators();

```

```

//Keyboard Navigation
if (_Options.$ArrowKeyNavigation) {
    $Jssor$.AddEvent(document, "keydown", function (e) {
        if (e.keyCode == $JssorKeyCode$.LEFT) {
            //Arrow Left
            PlayToOffset(-1);
        }
        else if (e.keyCode == $JssorKeyCode$.RIGHT) {
            //Arrow Right
            PlayToOffset(1);
        }
    });
}

var startPosition = _Options.$StartIndex;
if (!(_Loop & 1)) {
    startPosition = Math.max(0, Math.min(startPosition, _SlideCount -
_DisplayPieces));
}
_CarouselPlayer.$PlayCarousel(startPosition, startPosition, 0);
}
}

//Jssor Slider

//JssorSlider.$ASSEMBLY_BOTTOM_LEFT = ASSEMBLY_BOTTOM_LEFT;
//JssorSlider.$ASSEMBLY_BOTTOM_RIGHT = ASSEMBLY_BOTTOM_RIGHT;
//JssorSlider.$ASSEMBLY_TOP_LEFT = ASSEMBLY_TOP_LEFT;
//JssorSlider.$ASSEMBLY_TOP_RIGHT = ASSEMBLY_TOP_RIGHT;
//JssorSlider.$ASSEMBLY_LEFT_TOP = ASSEMBLY_LEFT_TOP;
//JssorSlider.$ASSEMBLY_LEFT_BOTTOM = ASSEMBLY_LEFT_BOTTOM;
//JssorSlider.$ASSEMBLY_RIGHT_TOP = ASSEMBLY_RIGHT_TOP;
//JssorSlider.$ASSEMBLY_RIGHT_BOTTOM = ASSEMBLY_RIGHT_BOTTOM;

```

JssorSlider.\$EVT_CLICK = 21;

JssorSlider.\$EVT_DRAG_START = 22;

JssorSlider.\$EVT_DRAG_END = 23;

JssorSlider.\$EVT_SWIPE_START = 24;

JssorSlider.\$EVT_SWIPE_END = 25;

JssorSlider.\$EVT_LOAD_START = 26;

JssorSlider.\$EVT_LOAD_END = 27;

JssorSlider.\$EVT_FREEZE = 28;

JssorSlider.\$EVT_POSITION_CHANGE = 202;

JssorSlider.\$EVT_PARK = 203;

JssorSlider.\$EVT_SLIDESHOW_START = 206;

JssorSlider.\$EVT_SLIDESHOW_END = 207;

JssorSlider.\$EVT_PROGRESS_CHANGE = 208;

JssorSlider.\$EVT_STATE_CHANGE = 209;

JssorSlider.\$EVT_ROLLBACK_START = 210;

JssorSlider.\$EVT_ROLLBACK_END = 211;

window.\$JssorSlider\$ = \$JssorSlider\$ = JssorSlider;

```

// (function ($) {
//   jQuery.fn.jssorSlider = function (options) {
//     return this.each(function () {
//       return $(this).data('jssorSlider') || $(this).data('jssorSlider', new JssorSlider(this,
options));
//     });
//   };
// })(jQuery);
```



```

//window.jQuery && (jQuery.fn.jssorSlider = function (options) {
//  return this.each(function () {
//    return jQuery(this).data('jssorSlider') || jQuery(this).data('jssorSlider', new
JssorSlider(this, options));
//  });
//});
};

//$JssorBulletNavigator$
var $JssorNavigatorEvents$ = {
  $NAVIGATIONREQUEST: 1,
  $INDEXCHANGE: 2,
  $RESET: 3
};

var $JssorBulletNavigator$ = window.$JssorBulletNavigator$ = function (elmt, options,
containerWidth, containerHeight) {
  var self = this;
  $JssorObject$.call(self);

  elmt = $Jssor$.GetElement(elmt);

  var _Count;
  var _Length;
  var _Width;
  var _Height;
  var _CurrentIndex;
  var _CurrentInnerIndex = 0;
  var _Options;
  var _Steps;
  var _Lanes;

```

```

var _SpacingX;
var _SpacingY;
var _Orientation;
var _ItemPrototype;
var _PrototypeWidth;
var _PrototypeHeight;

var _ButtonElements = [];
var _Buttons = [];

function Highlight(index) {
    if (index != -1)
        _Buttons[index].$Activate(index == _CurrentInnerIndex);
}

function OnNavigationRequest(index) {
    self.$TriggerEvent($JssorNavigatorEvents$. $NAVIGATIONREQUEST, index *
    _Steps);
}

self.$Elmt = elmt;
self.$GetCurrentIndex = function () {
    return _CurrentIndex;
};

self.$SetCurrentIndex = function (index) {
    if (index != _CurrentIndex) {
        var lastInnerIndex = _CurrentInnerIndex;
        var innerIndex = Math.floor(index / _Steps);
        _CurrentInnerIndex = innerIndex;
        _CurrentIndex = index;
    }
}

```

```

        Highlight(lastInnerIndex);
        Highlight(innerIndex);

        //self.$TriggerEvent($JssorNavigatorEvents$.INDEXCHANGE, index);
    }
};

self.$Show = function (hide) {
    $Jssor$.ShowElement(elmt, hide);
};

var _Located;
self.$Relocate = function (containerWidth, containerHeight) {
    if (!_Located || _Options.$Scale == false) {
        if (_Options.$AutoCenter & 1) {
            $Jssor$.CssLeft(elmt, (containerWidth - _Width) / 2);
        }
        if (_Options.$AutoCenter & 2) {
            $Jssor$.CssTop(elmt, (containerHeight - _Height) / 2);
        }

        _Located = true;
    }
};

var _Initialized;
self.$Reset = function (length) {
    if (!_Initialized) {
        _Length = length;
        _Count = Math.ceil(length / _Steps);
        _CurrentInnerIndex = 0;
    }
};

```

```

var itemOffsetX = _PrototypeWidth + _SpacingX;
var itemOffsetY = _PrototypeHeight + _SpacingY;

var maxIndex = Math.ceil(_Count / _Lanes) - 1;

_Width = _PrototypeWidth + itemOffsetX * (!_Orientation ? maxIndex : _Lanes - 1);
_Height = _PrototypeHeight + itemOffsetY * (_Orientation ? maxIndex : _Lanes - 1);

$Jssor$.CssWidth(elmt, _Width);
$Jssor$.CssHeight(elmt, _Height);

for (var buttonIndex = 0; buttonIndex < _Count; buttonIndex++) {

    var numberDiv = $Jssor$.CreateSpan();
    $Jssor$.InnerText(numberDiv, buttonIndex + 1);

    var div = $Jssor$.BuildElement(_ItemPrototype, "numbertemplate", numberDiv,
true);
    $Jssor$.CssPosition(div, "absolute");

    var columnIndex = buttonIndex % (maxIndex + 1);
    $Jssor$.CssLeft(div, !_Orientation ? itemOffsetX * columnIndex : buttonIndex %
_Lanes * itemOffsetX);
    $Jssor$.CssTop(div, _Orientation ? itemOffsetY * columnIndex :
Math.floor(buttonIndex / (maxIndex + 1)) * itemOffsetY);

    $Jssor$.AppendChild(elmt, div);
    _ButtonElements[buttonIndex] = div;

    if (_Options.$ActionMode & 1)
        $Jssor$.AddEvent(div, "click", $Jssor$.CreateCallback(null,
OnNavigationRequest, buttonIndex));

```

```

        if (_Options.$ActionMode & 2)
            $Jssor$.AddEvent(div, "mouseover",
$Jssor$.MouseOverOutFilter($Jssor$.CreateCallback(null, OnNavigationRequest,
buttonIndex), div));

        _Buttons[buttonIndex] = $Jssor$.Buttonize(div);
    }

    //self.$TriggerEvent($JssorNavigatorEvents$.RESET);
    _Initialized = true;
}
};

//JssorBulletNavigator Constructor
{
    self.$Options = _Options = $Jssor$.Extend({
        $SpacingX: 0,
        $SpacingY: 0,
        $Orientation: 1,
        $ActionMode: 1
    }, options);

    //Sodo statement for development time intellisense only
    $JssorDebug$.Execute(function () {
        _Options = $Jssor$.Extend({
            $Steps: undefined,
            $Lanes: undefined
        }, _Options);
    });

    _ItemPrototype = $Jssor$.FindChild(elmt, "prototype");

```

```

$JssorDebug$.Execute(function () {
    if (!_ItemPrototype)
        $JssorDebug$.Fail("Navigator item prototype not defined.");

    if (isNaN($Jssor$.CssWidth(_ItemPrototype))) {
        $JssorDebug$.Fail("Width of 'navigator item prototype' not specified.");
    }

    if (isNaN($Jssor$.CssHeight(_ItemPrototype))) {
        $JssorDebug$.Fail("Height of 'navigator item prototype' not specified.");
    }
});

_PrototypeWidth = $Jssor$.CssWidth(_ItemPrototype);
_PrototypeHeight = $Jssor$.CssHeight(_ItemPrototype);

$Jssor$.RemoveChild(elmt, _ItemPrototype);

_Steps = _Options.$Steps || 1;
_Lanes = _Options.$Lanes || 1;
_SpacingX = _Options.$SpacingX;
_SpacingY = _Options.$SpacingY;
_Orientation = _Options.$Orientation - 1;
}
};

var $JssorArrowNavigator$ = window.$JssorArrowNavigator$ = function (arrowLeft,
arrowRight, options, containerWidth, containerHeight) {
    var self = this;
    $JssorObject$.call(self);

    $JssorDebug$.Execute(function () {

```

```
if (!arrowLeft)
```

```
    $JssorDebug$.Fail("Option '$ArrowNavigatorOptions' spepcified, but UI 'arrowleft'  
not defined. Define 'arrowleft' to enable direct navigation, or remove option  
'$ArrowNavigatorOptions' to disable direct navigation.");
```

```
if (!arrowRight)
```

```
    $JssorDebug$.Fail("Option '$ArrowNavigatorOptions' spepcified, but UI  
'arrowright' not defined. Define 'arrowright' to enable direct navigation, or remove option  
'$ArrowNavigatorOptions' to disable direct navigation.");
```

```
if (isNaN($Jssor$.CssWidth(arrowLeft))) {
```

```
    $JssorDebug$.Fail("Width of 'arrow left' not specified.");
```

```
}
```

```
if (isNaN($Jssor$.CssWidth(arrowRight))) {
```

```
    $JssorDebug$.Fail("Width of 'arrow right' not specified.");
```

```
}
```

```
if (isNaN($Jssor$.CssHeight(arrowLeft))) {
```

```
    $JssorDebug$.Fail("Height of 'arrow left' not specified.");
```

```
}
```

```
if (isNaN($Jssor$.CssHeight(arrowRight))) {
```

```
    $JssorDebug$.Fail("Height of 'arrow right' not specified.");
```

```
}
```

```
});
```

```
var _Length;
```

```
var _CurrentIndex;
```

```
var _Options;
```

```
var _Steps;
```

```
var _ArrowWidth = $Jssor$.CssWidth(arrowLeft);
```

```

var _ArrowHeight = $Jssor$.CssHeight(arrowLeft);

function OnNavigationRequest(steps) {
    self.$TriggerEvent($JssorNavigatorEvents$.NAVIGATIONREQUEST, steps, true);
}

self.$GetCurrentIndex = function () {
    return _CurrentIndex;
};

self.$SetCurrentIndex = function (index, virtualIndex, temp) {
    if (temp) {
        _CurrentIndex = virtualIndex;
    }
    else {
        _CurrentIndex = index;
    }
    //self.$TriggerEvent($JssorNavigatorEvents$.INDEXCHANGE, index);
};

self.$Show = function (hide) {
    $Jssor$.ShowElement(arrowLeft, hide);
    $Jssor$.ShowElement(arrowRight, hide);
};

var _Located;

self.$Relocate = function (containerWidth, containerHeight) {
    if (!_Located || _Options.$Scale == false) {

        if (_Options.$AutoCenter & 1) {
            $Jssor$.CssLeft(arrowLeft, (containerWidth - _ArrowWidth) / 2);
            $Jssor$.CssLeft(arrowRight, (containerWidth - _ArrowWidth) / 2);

```



```

    }

    if (_Options.$AutoCenter & 2) {
        $Jssor$. $CssTop(arrowLeft, (containerHeight - _ArrowHeight) / 2);
        $Jssor$. $CssTop(arrowRight, (containerHeight - _ArrowHeight) / 2);
    }

    _Located = true;
}

};

var _Initialized;
self.$Reset = function (length) {
    _Length = length;
    _CurrentIndex = 0;

    if (!_Initialized) {

        $Jssor$. $AddEvent(arrowLeft, "click", $Jssor$. $CreateCallback(null,
        OnNavigationRequest, -_Steps));

        $Jssor$. $AddEvent(arrowRight, "click", $Jssor$. $CreateCallback(null,
        OnNavigationRequest, _Steps));

        $Jssor$. $Buttonize(arrowLeft);
        $Jssor$. $Buttonize(arrowRight);

        _Initialized = true;
    }

    //self.$TriggerEvent($JssorNavigatorEvents$. $RESET);
};

```

```

//JssorArrowNavigator Constructor
{
    self.$Options = _Options = $Jssor$.Extend({
        $Steps: 1
    }, options);

    _Steps = _Options.$Steps;
}
};

//$JssorThumbnailNavigator$
var $JssorThumbnailNavigator$ = window.$JssorThumbnailNavigator$ = function (elmt,
options) {
    var _Self = this;
    var _Length;
    var _Count;
    var _CurrentIndex;
    var _Options;
    var _NavigationItems = [];

    var _Width;
    var _Height;
    var _Lanes;
    var _SpacingX;
    var _SpacingY;
    var _PrototypeWidth;
    var _PrototypeHeight;
    var _DisplayPieces;

    var _Slider;
    var _CurrentMouseOverIndex = -1;

```

```

var _SlidesContainer;
var _ThumbnailPrototype;

$JssorObject$.call(_Self);
elmt = $Jssor$.GetElement(elmt);

function NavigationItem(item, index) {
    var self = this;
    var _Wrapper;
    var _Button;
    var _Thumbnail;

    function Highlight(mouseStatus) {
        _Button.$Activate(_CurrentIndex == index);
    }

    function OnNavigationRequest(event) {
        if (!_Slider.$LastDragSucceeded()) {
            var tail = _Lanes - index % _Lanes;
            var slideVirtualIndex = _Slider.$GetVirtualIndex((index + tail) / _Lanes - 1);
            var itemVirtualIndex = slideVirtualIndex * _Lanes + _Lanes - tail;
            _Self.$TriggerEvent($JssorNavigatorEvents$.NAVIGATIONREQUEST,
itemVirtualIndex);
        }

        //$JssorDebug$.Log("navigation request");
    }

    $JssorDebug$.Execute(function () {
        self.$Wrapper = undefined;
    });
}

```

```

self.$Index = index;

self.$Highlight = Highlight;

//NavigationItem Constructor
{
    _Thumbnail = item.$Thumb || item.$Image || $Jssor$.CreateDiv();
    self.$Wrapper = _Wrapper = $Jssor$.BuildElement(_ThumbnailPrototype,
"thumbnailtemplate", _Thumbnail, true);

    _Button = $Jssor$.Buttonize(_Wrapper);
    if (_Options.$ActionMode & 1)
        $Jssor$.AddEvent(_Wrapper, "click", OnNavigationRequest);
    if (_Options.$ActionMode & 2)
        $Jssor$.AddEvent(_Wrapper, "mouseover",
$Jssor$.MouseOverOutFilter(OnNavigationRequest, _Wrapper));
}
}

_Self.$GetCurrentIndex = function () {
    return _CurrentIndex;
};

_Self.$SetCurrentIndex = function (index, virtualIndex, temp) {
    var oldIndex = _CurrentIndex;
    _CurrentIndex = index;
    if (oldIndex != -1)
        _NavigationItems[oldIndex].$Highlight();
    _NavigationItems[index].$Highlight();

    if (!temp) {
        _Slider.$PlayTo(_Slider.$GetVirtualIndex(Math.floor(virtualIndex / _Lanes)));
    }
}

```

```

    }
};

_Self.$Show = function (hide) {
    $Jssor$.ShowElement(elmt, hide);
};

_Self.$Relocate = $Jssor$.EmptyFunction;

var _Initialized;
_Self.$Reset = function (length, items, loadingContainer) {
    if (!_Initialized) {
        _Length = length;
        _Count = Math.ceil(_Length / _Lanes);
        _CurrentIndex = -1;
        _DisplayPieces = Math.min(_DisplayPieces, items.length);

        var horizontal = _Options.$Orientation & 1;

        var slideWidth = _PrototypeWidth + (_PrototypeWidth + _SpacingX) * (_Lanes - 1)
        * (1 - horizontal);

        var slideHeight = _PrototypeHeight + (_PrototypeHeight + _SpacingY) * (_Lanes - 1)
        * horizontal;

        var slidesContainerWidth = slideWidth + (slideWidth + _SpacingX) *
        (_DisplayPieces - 1) * horizontal;

        var slidesContainerHeight = slideHeight + (slideHeight + _SpacingY) *
        (_DisplayPieces - 1) * (1 - horizontal);

        $Jssor$.CssPosition(_SlidesContainer, "absolute");
        $Jssor$.CssOverflow(_SlidesContainer, "hidden");
        if (_Options.$AutoCenter & 1) {
            $Jssor$.CssLeft(_SlidesContainer, (_Width - slidesContainerWidth) / 2);

```

```

    }

    if (_Options.$AutoCenter & 2) {
        $Jssor$. $CssTop(_SlidesContainer, (_Height - slidesContainerHeight) / 2);
    }

    // $JssorDebug$. $Execute(function () {
    //     if (!_Options.$AutoCenter) {
    //         var slidesContainerTop = $Jssor$. $CssTop(_SlidesContainer);
    //         var slidesContainerLeft = $Jssor$. $CssLeft(_SlidesContainer);

    //         if (isNaN(slidesContainerTop)) {
    //             $JssorDebug$. $Fail("Position 'top' wrong specification of thumbnail
navigato
r slides container (<div u=\"thumbnavigator\">...<div u=\"slides\">), \r\nwhen option
$ThumbnailNavigatorOptions.$AutoCenter set to 0, it should be specified in pixel (like <div
u=\"slides\" style=\"top: 0px;\">));
        //     }

        //         if (isNaN(slidesContainerLeft)) {
        //             $JssorDebug$. $Fail("Position 'left' wrong specification of thumbnail
navigato
r slides container (<div u=\"thumbnavigator\">...<div u=\"slides\">), \r\nwhen option
$ThumbnailNavigatorOptions.$AutoCenter set to 0, it should be specified in pixel (like <div
u=\"slides\" style=\"left: 0px;\">));
        //         }
        //     }
    // });

    $Jssor$. $CssWidth(_SlidesContainer, slidesContainerWidth);
    $Jssor$. $CssHeight(_SlidesContainer, slidesContainerHeight);

    var slideItemElmts = [];
    $Jssor$. $Each(items, function (item, index) {
        var navigationItem = new NavigationItem(item, index);
        var navigationItemWrapper = navigationItem.$Wrapper;

        var columnIndex = Math.floor(index / _Lanes);
        var laneIndex = index % _Lanes;

```

```

        $Jssor$.CssLeft(navigationItemWrapper, (_PrototypeWidth + _SpacingX) *
laneIndex * (1 - horizontal));

        $Jssor$.CssTop(navigationItemWrapper, (_PrototypeHeight + _SpacingY) *
laneIndex * horizontal);

    if (!slideItemElmts[columnIndex]) {
        slideItemElmts[columnIndex] = $Jssor$.CreateDiv();
        $Jssor$.AppendChild(_SlidesContainer, slideItemElmts[columnIndex]);
    }

    $Jssor$.AppendChild(slideItemElmts[columnIndex], navigationItemWrapper);

    _NavigationItems.push(navigationItem);
});

var thumbnailSliderOptions = $Jssor$.Extend({
    $HWA: false,
    $AutoPlay: false,
    $NaviQuitDrag: false,
    $SlideWidth: slideWidth,
    $SlideHeight: slideHeight,
    $SlideSpacing: _SpacingX * horizontal + _SpacingY * (1 - horizontal),
    $MinDragOffsetToSlide: 12,
    $SlideDuration: 200,
    $PauseOnHover: 1,
    $PlayOrientation: _Options.$Orientation,
    $DragOrientation: _Options.$DisableDrag ? 0 : _Options.$Orientation
}, _Options);

_slider = new $JssorSlider$(elmt, thumbnailSliderOptions);

```

```

        _Initialized = true;
    }

    //_Self.$TriggerEvent($JssorNavigatorEvents$. $RESET);
};

//JssorThumbnailNavigator Constructor
{
    _Self.$Options = _Options = $Jssor$. $Extend({
        $SpacingX: 3,
        $SpacingY: 3,
        $DisplayPieces: 1,
        $Orientation: 1,
        $AutoCenter: 3,
        $ActionMode: 1
    }, options);

    //Sodo statement for development time intellisense only
    $JssorDebug$. $Execute(function () {
        _Options = $Jssor$. $Extend({
            $Lanes: undefined,
            $Width: undefined,
            $Height: undefined
        }, _Options);
    });

    _Width = $Jssor$. $CssWidth(elmt);
    _Height = $Jssor$. $CssHeight(elmt);

    $JssorDebug$. $Execute(function () {
        if (!_Width)
            $JssorDebug$. $Fail("width of 'thumbnavigator' container not specified.");
    });
}

```



```

    if (!_Height)
        $JssorDebug$.Fail("height of 'thumbnavigator' container not specified.");
});

_SlidesContainer = $Jssor$.FindChild(elmt, "slides", true);
_ThumbnailPrototype = $Jssor$.FindChild(_SlidesContainer, "prototype");

$JssorDebug$.Execute(function () {
    if (!_ThumbnailPrototype)
        $JssorDebug$.Fail("prototype of 'thumbnavigator' not defined.");
});

_PrototypeWidth = $Jssor$.CssWidth(_ThumbnailPrototype);
_PrototypeHeight = $Jssor$.CssHeight(_ThumbnailPrototype);

$Jssor$.RemoveChild(_SlidesContainer, _ThumbnailPrototype);

_Lanes = _Options.$Lanes || 1;
_SpacingX = _Options.$SpacingX;
_SpacingY = _Options.$SpacingY;
_DisplayPieces = _Options.$DisplayPieces;
}
};

//$JssorCaptionSliderBase$
function $JssorCaptionSliderBase$() {
    $JssorAnimator$.call(this, 0, 0);
    this.$Revert = $Jssor$.EmptyFunction;
}

var $JssorCaptionSlider$ = window.$JssorCaptionSlider$ = function (container,
captionSlideOptions, playIn) {

```

```

$JssorDebug$.Execute(function () {
    if (!captionSlideOptions.$CaptionTransitions) {
        $JssorDebug$.Error("'"$CaptionSliderOptions' option error,
'$CaptionSliderOptions.$CaptionTransitions' not specified.");
    }

    //else if (!$Jssor$.IsArray(captionSlideOptions.$CaptionTransitions)) {
        //  $JssorDebug$.Error("'"$CaptionSliderOptions' option error,
'$CaptionSliderOptions.$CaptionTransitions' is not an array.");
    //}
});

var _Self = this;
var _ImmediateOutCaptionHanger;
var _PlayMode = playIn ? captionSlideOptions.$PlayInMode :
captionSlideOptions.$PlayOutMode;

var _CaptionTransitions = captionSlideOptions.$CaptionTransitions;
var _CaptionTuningFetcher = { $Transition: "t", $Delay: "d", $Duration: "du", x: "x", y:
"y", $Rotate: "r", $Zoom: "z", $Opacity: "f", $BeginTime: "b" };
var _CaptionTuningTransfer = {
    $Default: function (value, tuningValue) {
        if (!isNaN(tuningValue.$Value))
            value = tuningValue.$Value;
        else
            value *= tuningValue.$Percent;

        return value;
    },
    $Opacity: function (value, tuningValue) {
        return this.$Default(value - 1, tuningValue);
    }
};
_CaptionTuningTransfer.$Zoom = _CaptionTuningTransfer.$Opacity;

```

```
$JssorAnimator$.call(_Self, 0, 0);
```

```
function GetCaptionItems(element, level) {
```

```
    var itemsToPlay = [];
```

```
    var lastTransitionName;
```

```
    var namedTransitions = [];
```

```
    var namedTransitionOrders = [];
```

```
    // $JssorDebug$.Execute(function () {
```

```
        // var debugInfoElement = $Jssor$.GetElement("debugInfo");
```

```
        // if (debugInfoElement && playIn) {
```

```
            // var text = $Jssor$.InnerHTML(debugInfoElement) + "<br>";
```

```
            // $Jssor$.InnerHTML(debugInfoElement, text);
```

```
            // }
```

```
        //});
```

```
function FetchRawTransition(captionElmt, index) {
```

```
    var rawTransition = {};
```

```
    $Jssor$.Each(_CaptionTuningFetcher, function (fetchAttribute, fetchProperty) {
```

```
        var attributeValue = $Jssor$.AttributeEx(captionElmt, fetchAttribute + (index ||  
        ""));
```

```
        if (attributeValue) {
```

```
            var propertyValue = {};
```

```
            if (fetchAttribute == "t") {
```

```

        //if (($Jssor$.IsBrowserChrome() || $Jssor$.IsBrowserSafari() ||
$Jssor$.IsBrowserFireFox()) && attributeValue == "") {

            // attributeValue = Math.floor(Math.random() *
captionSlideOptions.$CaptionTransitions.length);

            // $Jssor$.Attribute(captionElmt, fetchAttribute + (index || ""),
attributeValue);

            //}

            propertyValue.$Value = attributeValue;
        }
        else if (attributeValue.indexOf("%") + 1)
            propertyValue.$Percent = $Jssor$.parseFloat(attributeValue) / 100;
        else
            propertyValue.$Value = $Jssor$.parseFloat(attributeValue);

        rawTransition[fetchProperty] = propertyValue;
    }
});

return rawTransition;
}

function GetRandomTransition() {
    return _CaptionTransitions[Math.floor(Math.random() *
_CaptionTransitions.length)];
}

function EvaluateCaptionTransition(transitionName) {

    var transition;

    if (transitionName == "") {
        transition = GetRandomTransition();
    }
}

```

```

    }
    else if (transitionName) {

        //indexed transition allowed, just the same as named transition
        var tempTransition = _CaptionTransitions[$Jssor$.parseInt(transitionName)] ||
        _CaptionTransitions[transitionName];

        if ($Jssor$.isArray(tempTransition)) {
            if (transitionName != lastTransitionName) {
                lastTransitionName = transitionName;
                namedTransitionOrders[transitionName] = 0;

                namedTransitions[transitionName] =
tempTransition[Math.floor(Math.random() * tempTransition.length)];
            }
            else {
                namedTransitionOrders[transitionName]++;
            }

            tempTransition = namedTransitions[transitionName];

            if ($Jssor$.isArray(tempTransition)) {
                tempTransition = tempTransition.length &&
tempTransition[namedTransitionOrders[transitionName] % tempTransition.length];

                if ($Jssor$.isArray(tempTransition)) {
                    //got transition from array level 3, random for all captions
                    tempTransition = tempTransition[Math.floor(Math.random() *
tempTransition.length)];
                }
                //else {
                    // //got transition from array level 2, in sequence for all adjacent captions
                    // with same name specified
                    // transition = tempTransition;

```

```

        //}
    }
    //else {
        // //got transition from array level 1, random but same for all adjacent captions
with same name specified
        // transition = tempTransition;
        //}
    }
    //else {
        // //got transition directly from a simple transition object
        // transition = tempTransition;
        //}

    transition = tempTransition;

    if ($Jssor$.IsString(transition))
        transition = EvaluateCaptionTransition(transition);
    }

    return transition;
}

var captionElmts = $Jssor$.Children(element);
$Jssor$.Each(captionElmts, function (captionElmt, i) {

    var transitionsWithTuning = [];
    transitionsWithTuning.$Elmt = captionElmt;
    var isCaption = $Jssor$.AttributeEx(captionElmt, "u") == "caption";

    $Jssor$.Each(playIn ? [0, 3] : [2], function (j, k) {

        if (isCaption) {

```

```

var transition;
var rawTransition;

if (j != 2 || !$Jssor$.AttributeEx(captionElmt, "t3")) {
    rawTransition = FetchRawTransition(captionElmt, j);

    if (j == 2 && !rawTransition.$Transition) {
        rawTransition.$Delay = rawTransition.$Delay || { $Value: 0 };
        rawTransition = $Jssor$.Extend(FetchRawTransition(captionElmt, 0),
rawTransition);
    }
}

if (rawTransition && rawTransition.$Transition) {

    transition = EvaluateCaptionTransition(rawTransition.$Transition.$Value);

    if (transition) {

        //var transitionWithTuning = $Jssor$.Extend({ $Delay: 0,
$ScaleHorizontal: 1, $ScaleVertical: 1 }, transition);
        var transitionWithTuning = $Jssor$.Extend({ $Delay: 0 }, transition);

        $Jssor$.Each(rawTransition, function (rawPropertyValue, propertyName)
{
            var tuningPropertyValue = (_CaptionTuningTransfer[propertyName] ||
_CaptionTuningTransfer.$Default).apply(_CaptionTuningTransfer,
[transitionWithTuning[propertyName], rawTransition[propertyName]]);
            if (!isNaN(tuningPropertyValue))
                transitionWithTuning[propertyName] = tuningPropertyValue;
        });

        if (!k) {
            if (rawTransition.$BeginTime)

```

```

        transitionWithTuning.$BeginTime =
rawTransition.$BeginTime.$Value || 0;
        else if ((_PlayMode) & 2)
            transitionWithTuning.$BeginTime = 0;
    }
}
}

transitionsWithTuning.push(transitionWithTuning);
}

if ((level % 2) && !k) {
    //transitionsWithTuning.$Children = GetCaptionItems(captionElmt,
lastTransitionName, [].concat(namedTransitions), [].concat(namedTransitionOrders), level +
1);
    transitionsWithTuning.$Children = GetCaptionItems(captionElmt, level + 1);
}
});

itemsToPlay.push(transitionsWithTuning);
});

return itemsToPlay;
}

```

```

function CreateAnimator(item, transition, immediateOut) {

```

```

    var animatorOptions = {
        $Easing: transition.$Easing,
        $Round: transition.$Round,
        $During: transition.$During,
        $Reverse: playIn && !immediateOut,
        $Optimize: true
    }

```



```
};
```

```
$JssorDebug$.Execute(function () {  
    animatorOptions.$CaptionAnimator = true;  
});
```

```
var captionItem = item;  
var captionParent = $Jssor$.ParentNode(item);
```

```
var captionItemWidth = $Jssor$.CssWidth(captionItem);  
var captionItemHeight = $Jssor$.CssHeight(captionItem);  
var captionParentWidth = $Jssor$.CssWidth(captionParent);  
var captionParentHeight = $Jssor$.CssHeight(captionParent);
```

```
var toStyles = {};  
var fromStyles = {};  
var scaleClip = transition.$ScaleClip || 1;
```

```
//Opacity  
if (transition.$Opacity) {  
    toStyles.$Opacity = 2 - transition.$Opacity;  
}
```

```
animatorOptions.$OriginalWidth = captionItemWidth;  
animatorOptions.$OriginalHeight = captionItemHeight;
```

```
//Transform  
if (transition.$Zoom || transition.$Rotate) {  
    toStyles.$Zoom = transition.$Zoom ? transition.$Zoom - 1 : 1;
```

```
    if ($Jssor$.IsBrowserIe9Earlier() || $Jssor$.IsBrowserOpera())  
        toStyles.$Zoom = Math.min(toStyles.$Zoom, 2);
```

```

fromStyles.$Zoom = 1;

var rotate = transition.$Rotate || 0;

toStyles.$Rotate = rotate * 360;
fromStyles.$Rotate = 0;
}
//Clip
else if (transition.$Clip) {
    var fromStyleClip = { $Top: 0, $Right: captionItemWidth, $Bottom:
captionItemHeight, $Left: 0 };
    var toStyleClip = $Jssor$.Extend({ }, fromStyleClip);

    var blockOffset = toStyleClip.$Offset = { };

    var topBenchmark = transition.$Clip & 4;
    var bottomBenchmark = transition.$Clip & 8;
    var leftBenchmark = transition.$Clip & 1;
    var rightBenchmark = transition.$Clip & 2;

    if (topBenchmark && bottomBenchmark) {
        blockOffset.$Top = captionItemHeight / 2 * scaleClip;
        blockOffset.$Bottom = -blockOffset.$Top;
    }
    else if (topBenchmark)
        blockOffset.$Bottom = -captionItemHeight * scaleClip;
    else if (bottomBenchmark)
        blockOffset.$Top = captionItemHeight * scaleClip;

    if (leftBenchmark && rightBenchmark) {
        blockOffset.$Left = captionItemWidth / 2 * scaleClip;

```

```

        blockOffset.$Right = -blockOffset.$Left;
    }
    else if (leftBenchmark)
        blockOffset.$Right = -captionItemWidth * scaleClip;
    else if (rightBenchmark)
        blockOffset.$Left = captionItemWidth * scaleClip;

    animatorOptions.$Move = transition.$Move;
    toStyles.$Clip = toStyleClip;
    fromStyles.$Clip = fromStyleClip;
}

//Fly
{
    var toLeft = 0;
    var toTop = 0;

    if (transition.x)
        toLeft -= captionParentWidth * transition.x;

    if (transition.y)
        toTop -= captionParentHeight * transition.y;

    if (toLeft || toTop || animatorOptions.$Move) {
        toStyles.$Left = toLeft + $Jssor$. $CssLeft(captionItem);
        toStyles.$Top = toTop + $Jssor$. $CssTop(captionItem);
    }
}

//duration
var duration = transition.$Duration;

```

```

fromStyles = $Jssor$.Extend(fromStyles, $Jssor$.GetStyles(captionItem, toStyles));

animatorOptions.$Setter = $Jssor$.StyleSetterEx();

return new $JssorAnimator$(transition.$Delay, duration, animatorOptions, captionItem,
fromStyles, toStyles);
}

function CreateAnimators(streamLineLength, captionItems) {

$Jssor$.Each(captionItems, function (captionItem, i) {

$JssorDebug$.Execute(function () {
    if (captionItem.length) {
        var top = $Jssor$.CssTop(captionItem.$Elmt);
        var left = $Jssor$.CssLeft(captionItem.$Elmt);
        var width = $Jssor$.CssWidth(captionItem.$Elmt);
        var height = $Jssor$.CssHeight(captionItem.$Elmt);

        var error = null;

        if (isNaN(top))
            error = "Style 'top' for caption not specified. Please always specify caption like
'position: absolute; top: ...px; left: ...px; width: ...px; height: ...px;.";
        else if (isNaN(left))
            error = "Style 'left' not specified. Please always specify caption like 'position:
absolute; top: ...px; left: ...px; width: ...px; height: ...px;.";
        else if (isNaN(width))
            error = "Style 'width' not specified. Please always specify caption like
'position: absolute; top: ...px; left: ...px; width: ...px; height: ...px;.";
        else if (isNaN(height))
            error = "Style 'height' not specified. Please always specify caption like
'position: absolute; top: ...px; left: ...px; width: ...px; height: ...px;.";
    }
});
}
}

```

```

        if (error)
            $JssorDebug$.Error("Caption " + (i + 1) + " definition error, \r\n" + error +
"\r\n" + captionItem.$Elmt.outerHTML);
    }
});

var animator;

var captionElmt = captionItem.$Elmt;
var transition = captionItem[0];
var transition3 = captionItem[1];

if (transition) {

    animator = CreateAnimator(captionElmt, transition);

    streamLineLength = animator.$Locate(transition.$BeginTime == undefined ?
streamLineLength : transition.$BeginTime, 1);
}

streamLineLength = CreateAnimators(streamLineLength, captionItem.$Children);

if (transition3) {
    var animator3 = CreateAnimator(captionElmt, transition3, 1);
    animator3.$Locate(streamLineLength, 1);
    _Self.$Combine(animator3);
    _ImmediateOutCaptionHanger.$Combine(animator3);
}

if (animator)
    _Self.$Combine(animator);
});

return streamLineLength;

```

```

}

_Self.$Revert = function () {
    _Self.$GoToPosition(_Self.$GetPosition_OuterEnd() * (playIn || 0));
    _ImmediateOutCaptionHanger.$GoToBegin();
};

//Constructor
{
    _ImmediateOutCaptionHanger = new $JssorAnimator$(0, 0);

    //var streamLineLength = 0;
    //var captionItems = GetCaptionItems(container, null, [], [], 1);

    CreateAnimators(0, _PlayMode ? GetCaptionItems(container, 1) : []);
}
};

//Event Table

//$EVT_CLICK = 21;           function(slideIndex[, event])
//$EVT_DRAG_START = 22;      function(position[, virtualPosition, event])
//$EVT_DRAG_END = 23;        function(position, startPosition[, virtualPosition,
virtualStartPosition, event])
//$EVT_SWIPE_START = 24;     function(position[, virtualPosition])
//$EVT_SWIPE_END = 25;       function(position[, virtualPosition])

//$EVT_LOAD_START = 26;      function(slideIndex)
//$EVT_LOAD_END = 27;        function(slideIndex)

//$EVT_POSITION_CHANGE = 202; function(position, fromPosition[, virtualPosition,
virtualFromPosition])

```

```

//$EVT_PARK = 203;                function(slideIndex, fromIndex)

//$EVT_PROGRESS_CHANGE = 208;    function(slideIndex, progress[, progressBegin,
idleBegin, idleEnd, progressEnd])

//$EVT_STATE_CHANGE = 209;      function(slideIndex, progress[, progressBegin,
idleBegin, idleEnd, progressEnd])

//$EVT_ROLLBACK_START = 210;     function(slideIndex, progress[, progressBegin,
idleBegin, idleEnd, progressEnd])

//$EVT_ROLLBACK_END = 211;      function(slideIndex, progress[, progressBegin,
idleBegin, idleEnd, progressEnd])

//$EVT_SLIDESHOW_START = 206;    function(slideIndex[, progressBegin,
slideshowBegin, slideshowEnd, progressEnd])

//$EVT_SLIDESHOW_END = 207;     function(slideIndex[, progressBegin, slideshowBegin,
slideshowEnd, progressEnd])

```

<http://www.jssor.com/development/reference-api.html>

Sha512.js

```

/*
 * A JavaScript implementation of the Secure Hash Algorithm, SHA-512, as defined
 * in FIPS 180-2
 * Version 2.2 Copyright Anonymous Contributor, Paul Johnston 2000 - 2009.
 * Other contributors: Greg Holt, Andrew Kepert, Ydnar, Lostinet
 * Distributed under the BSD License
 * See http://pajhome.org.uk/crypt/md5 for details.
 */

/*
 * Configurable variables. You may need to tweak these to be compatible with
 * the server-side, but the defaults work in most cases.
 */

var hexcase = 0; /* hex output format. 0 - lowercase; 1 - uppercase */

```

```

var b64pad = ""; /* base-64 pad character. "=" for strict RFC compliance */

/*
 * These are the functions you'll usually want to call
 * They take string arguments and return either hex or base-64 encoded strings
 */
function hex_sha512(s) { return rstr2hex(rstr_sha512(str2rstr_utf8(s))); }
function b64_sha512(s) { return rstr2b64(rstr_sha512(str2rstr_utf8(s))); }
function any_sha512(s, e) { return rstr2any(rstr_sha512(str2rstr_utf8(s)), e); }
function hex_hmac_sha512(k, d)
{ return rstr2hex(rstr_hmac_sha512(str2rstr_utf8(k), str2rstr_utf8(d))); }
function b64_hmac_sha512(k, d)
{ return rstr2b64(rstr_hmac_sha512(str2rstr_utf8(k), str2rstr_utf8(d))); }
function any_hmac_sha512(k, d, e)
{ return rstr2any(rstr_hmac_sha512(str2rstr_utf8(k), str2rstr_utf8(d)), e); }

/*
 * Perform a simple self-test to see if the VM is working
 */
function sha512_vm_test()
{
    return hex_sha512("abc").toLowerCase() ==
        "ddaf35a193617abacc417349ae20413112e6fa4e89a97ea20a9eeee64b55d39a" +
        "2192992a274fc1a836ba3c23a3feebbd454d4423643ce80e2a9ac94fa54ca49f";
}

/*
 * Calculate the SHA-512 of a raw string
 */
function rstr_sha512(s)
{
    return binb2rstr(binb_sha512(rstr2binb(s), s.length * 8));
}

```



```

}

/*
 * Calculate the HMAC-SHA-512 of a key and some data (raw strings)
 */
function rstr_hmac_sha512(key, data)
{
    var bkey = rstr2binb(key);
    if(bkey.length > 32) bkey = binb_sha512(bkey, key.length * 8);

    var ipad = Array(32), opad = Array(32);
    for(var i = 0; i < 32; i++)
    {
        ipad[i] = bkey[i] ^ 0x36363636;
        opad[i] = bkey[i] ^ 0x5C5C5C5C;
    }

    var hash = binb_sha512(ipad.concat(rstr2binb(data)), 1024 + data.length * 8);
    return binb2rstr(binb_sha512(opad.concat(hash), 1024 + 512));
}

/*
 * Convert a raw string to a hex string
 */
function rstr2hex(input)
{
    try { hexcase } catch(e) { hexcase=0; }
    var hex_tab = hexcase ? "0123456789ABCDEF" : "0123456789abcdef";
    var output = "";
    var x;
    for(var i = 0; i < input.length; i++)
    {

```

```

    x = input.charCodeAt(i);
    output += hex_tab.charAt((x >>> 4) & 0x0F)
        + hex_tab.charAt( x      & 0x0F);
}
return output;
}

/*
 * Convert a raw string to a base-64 string
 */
function rstr2b64(input)
{
    try { b64pad } catch(e) { b64pad=""; }
    var tab =
"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/";
    var output = "";
    var len = input.length;
    for(var i = 0; i < len; i += 3)
    {
        var triplet = (input.charCodeAt(i) << 16)
            | (i + 1 < len ? input.charCodeAt(i+1) << 8 : 0)
            | (i + 2 < len ? input.charCodeAt(i+2)      : 0);
        for(var j = 0; j < 4; j++)
        {
            if(i * 8 + j * 6 > input.length * 8) output += b64pad;
            else output += tab.charAt((triplet >>> 6*(3-j)) & 0x3F);
        }
    }
    return output;
}

/*

```

```

* Convert a raw string to an arbitrary string encoding
*/
function rstr2any(input, encoding)
{
    var divisor = encoding.length;
    var i, j, q, x, quotient;

    /* Convert to an array of 16-bit big-endian values, forming the dividend */
    var dividend = Array(Math.ceil(input.length / 2));
    for(i = 0; i < dividend.length; i++)
    {
        dividend[i] = (input.charCodeAt(i * 2) << 8) | input.charCodeAt(i * 2 + 1);
    }

    /*
    * Repeatedly perform a long division. The binary array forms the dividend,
    * the length of the encoding is the divisor. Once computed, the quotient
    * forms the dividend for the next step. All remainders are stored for later
    * use.
    */
    var full_length = Math.ceil(input.length * 8 /
                                (Math.log(encoding.length) / Math.log(2)));
    var remainders = Array(full_length);
    for(j = 0; j < full_length; j++)
    {
        quotient = Array();
        x = 0;
        for(i = 0; i < dividend.length; i++)
        {
            x = (x << 16) + dividend[i];
            q = Math.floor(x / divisor);
            x -= q * divisor;

```

```

    if(quotient.length > 0 || q > 0)
        quotient[quotient.length] = q;
    }
    remainders[j] = x;
    dividend = quotient;
}

/* Convert the remainders to the output string */
var output = "";
for(i = remainders.length - 1; i >= 0; i--)
    output += encoding.charAt(remainders[i]);

return output;
}

/*
 * Encode a string as utf-8.
 * For efficiency, this assumes the input is valid utf-16.
 */
function str2rstr_utf8(input)
{
    var output = "";
    var i = -1;
    var x, y;

    while(++i < input.length)
    {
        /* Decode utf-16 surrogate pairs */
        x = input.charCodeAt(i);
        y = i + 1 < input.length ? input.charCodeAt(i + 1) : 0;
        if(0xD800 <= x && x <= 0xDBFF && 0xDC00 <= y && y <= 0xDFFF)
        {

```

```

    x = 0x10000 + ((x & 0x03FF) << 10) + (y & 0x03FF);
    i++;
}

/* Encode output as utf-8 */
if(x <= 0x7F)
    output += String.fromCharCode(x);
else if(x <= 0x7FF)
    output += String.fromCharCode(0xC0 | ((x >>> 6) & 0x1F),
                                   0x80 | (x & 0x3F));
else if(x <= 0xFFFF)
    output += String.fromCharCode(0xE0 | ((x >>> 12) & 0x0F),
                                   0x80 | ((x >>> 6) & 0x3F),
                                   0x80 | (x & 0x3F));
else if(x <= 0x1FFFFFF)
    output += String.fromCharCode(0xF0 | ((x >>> 18) & 0x07),
                                   0x80 | ((x >>> 12) & 0x3F),
                                   0x80 | ((x >>> 6) & 0x3F),
                                   0x80 | (x & 0x3F));
}
return output;
}

/*
 * Encode a string as utf-16
 */
function str2rstr_utf16le(input)
{
    var output = "";
    for(var i = 0; i < input.length; i++)
        output += String.fromCharCode( input.charCodeAt(i) & 0xFF,
                                       (input.charCodeAt(i) >>> 8) & 0xFF);
}

```

```

    return output;
}

function str2rstr_utf16be(input)
{
    var output = "";
    for(var i = 0; i < input.length; i++)
        output += String.fromCharCode((input.charCodeAt(i) >>> 8) & 0xFF,
                                         input.charCodeAt(i) & 0xFF);
    return output;
}

/*
 * Convert a raw string to an array of big-endian words
 * Characters >255 have their high-byte silently ignored.
 */
function rstr2binb(input)
{
    var output = Array(input.length >> 2);
    for(var i = 0; i < output.length; i++)
        output[i] = 0;
    for(var i = 0; i < input.length * 8; i += 8)
        output[i>>5] |= (input.charCodeAt(i / 8) & 0xFF) << (24 - i % 32);
    return output;
}

/*
 * Convert an array of big-endian words to a string
 */
function binb2rstr(input)
{
    var output = "";

```

```

for(var i = 0; i < input.length * 32; i += 8)
    output += String.fromCharCode((input[i>>5] >>> (24 - i % 32)) & 0xFF);
return output;
}

/*
 * Calculate the SHA-512 of an array of big-endian dwords, and a bit length
 */
var sha512_k;
function binb_sha512(x, len)
{
    if(sha512_k == undefined)
    {
        //SHA512 constants
        sha512_k = new Array(
new int64(0x428a2f98, -685199838), new int64(0x71374491, 0x23ef65cd),
new int64(-1245643825, -330482897), new int64(-373957723, -2121671748),
new int64(0x3956c25b, -213338824), new int64(0x59f111f1, -1241133031),
new int64(-1841331548, -1357295717), new int64(-1424204075, -630357736),
new int64(-670586216, -1560083902), new int64(0x12835b01, 0x45706fbe),
new int64(0x243185be, 0x4ee4b28c), new int64(0x550c7dc3, -704662302),
new int64(0x72be5d74, -226784913), new int64(-2132889090, 0x3b1696b1),
new int64(-1680079193, 0x25c71235), new int64(-1046744716, -815192428),
new int64(-459576895, -1628353838), new int64(-272742522, 0x384f25e3),
new int64(0xfc19dc6, -1953704523), new int64(0x240ca1cc, 0x77ac9c65),
new int64(0x2de92c6f, 0x592b0275), new int64(0x4a7484aa, 0x6ea6e483),
new int64(0x5cb0a9dc, -1119749164), new int64(0x76f988da, -2096016459),
new int64(-1740746414, -295247957), new int64(-1473132947, 0x2db43210),
new int64(-1341970488, -1728372417), new int64(-1084653625, -1091629340),
new int64(-958395405, 0x3da88fc2), new int64(-710438585, -1828018395),
new int64(0x6ca6351, -536640913), new int64(0x14292967, 0xa0e6e70),
new int64(0x27b70a85, 0x46d22ffc), new int64(0x2e1b2138, 0x5c26c926),

```

Nigel Hopkins (30026387)

```

new int64(0x4d2c6dfc, 0x5ac42aed), new int64(0x53380d13, -1651133473),
new int64(0x650a7354, -1951439906), new int64(0x766a0abb, 0x3c77b2a8),
new int64(-2117940946, 0x47edae6), new int64(-1838011259, 0x1482353b),
new int64(-1564481375, 0x4cf10364), new int64(-1474664885, -1136513023),
new int64(-1035236496, -789014639), new int64(-949202525, 0x654be30),
new int64(-778901479, -688958952), new int64(-694614492, 0x5565a910),
new int64(-200395387, 0x5771202a), new int64(0x106aa070, 0x32bbd1b8),
new int64(0x19a4c116, -1194143544), new int64(0x1e376c08, 0x5141ab53),
new int64(0x2748774c, -544281703), new int64(0x34b0bcb5, -509917016),
new int64(0x391c0cb3, -976659869), new int64(0x4ed8aa4a, -482243893),
new int64(0x5b9cca4f, 0x7763e373), new int64(0x682e6ff3, -692930397),
new int64(0x748f82ee, 0x5defb2fc), new int64(0x78a5636f, 0x43172f60),
new int64(-2067236844, -1578062990), new int64(-1933114872, 0x1a6439ec),
new int64(-1866530822, 0x23631e28), new int64(-1538233109, -561857047),
new int64(-1090935817, -1295615723), new int64(-965641998, -479046869),
new int64(-903397682, -366583396), new int64(-779700025, 0x21c0c207),
new int64(-354779690, -840897762), new int64(-176337025, -294727304),
new int64(0x6f067aa, 0x72176fba), new int64(0xa637dc5, -1563912026),
new int64(0x113f9804, -1090974290), new int64(0x1b710b35, 0x131c471b),
new int64(0x28db77f5, 0x23047d84), new int64(0x32caab7b, 0x40c72493),
new int64(0x3c9ebe0a, 0x15c9bebc), new int64(0x431d67c4, -1676669620),
new int64(0x4cc5d4be, -885112138), new int64(0x597f299c, -60457430),
new int64(0x5fcb6fab, 0x3ad6faec), new int64(0x6c44198c, 0x4a475817));
}

```

//Initial hash values

```

var H = new Array(
new int64(0x6a09e667, -205731576),
new int64(-1150833019, -2067093701),
new int64(0x3c6ef372, -23791573),
new int64(-1521486534, 0x5f1d36f1),
new int64(0x510e527f, -1377402159),

```

Nigel Hopkins (30026387)

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```

new int64(-1694144372, 0x2b3e6c1f),
new int64(0x1f83d9ab, -79577749),
new int64(0x5be0cd19, 0x137e2179));

```

```

var T1 = new int64(0, 0),
    T2 = new int64(0, 0),
    a = new int64(0,0),
    b = new int64(0,0),
    c = new int64(0,0),
    d = new int64(0,0),
    e = new int64(0,0),
    f = new int64(0,0),
    g = new int64(0,0),
    h = new int64(0,0),
    //Temporary variables not specified by the document
    s0 = new int64(0, 0),
    s1 = new int64(0, 0),
    Ch = new int64(0, 0),
    Maj = new int64(0, 0),
    r1 = new int64(0, 0),
    r2 = new int64(0, 0),
    r3 = new int64(0, 0);
var j, i;
var W = new Array(80);
for(i=0; i<80; i++)
    W[i] = new int64(0, 0);

```

```

// append padding to the source string. The format is described in the FIPS.
x[len >> 5] |= 0x80 << (24 - (len & 0x1f));
x[((len + 128 >> 10)<< 5) + 31] = len;

```

```

for(i = 0; i<x.length; i+=32) //32 dwords is the block size

```

```

{
    int64copy(a, H[0]);
    int64copy(b, H[1]);
    int64copy(c, H[2]);
    int64copy(d, H[3]);
    int64copy(e, H[4]);
    int64copy(f, H[5]);
    int64copy(g, H[6]);
    int64copy(h, H[7]);

    for(j=0; j<16; j++)
    {
        W[j].h = x[i + 2*j];
        W[j].l = x[i + 2*j + 1];
    }

    for(j=16; j<80; j++)
    {
        //sigma1
        int64rrot(r1, W[j-2], 19);
        int64revrrot(r2, W[j-2], 29);
        int64shr(r3, W[j-2], 6);
        s1.l = r1.l ^ r2.l ^ r3.l;
        s1.h = r1.h ^ r2.h ^ r3.h;
        //sigma0
        int64rrot(r1, W[j-15], 1);
        int64rrot(r2, W[j-15], 8);
        int64shr(r3, W[j-15], 7);
        s0.l = r1.l ^ r2.l ^ r3.l;
        s0.h = r1.h ^ r2.h ^ r3.h;

        int64add4(W[j], s1, W[j-7], s0, W[j-16]);
    }
}

```

```

}

for(j = 0; j < 80; j++)
{
    //Ch
    Ch.l = (e.l & f.l) ^ (~e.l & g.l);
    Ch.h = (e.h & f.h) ^ (~e.h & g.h);

    //Sigma1
    int64rrot(r1, e, 14);
    int64rrot(r2, e, 18);
    int64revrrot(r3, e, 9);
    s1.l = r1.l ^ r2.l ^ r3.l;
    s1.h = r1.h ^ r2.h ^ r3.h;

    //Sigma0
    int64rrot(r1, a, 28);
    int64revrrot(r2, a, 2);
    int64revrrot(r3, a, 7);
    s0.l = r1.l ^ r2.l ^ r3.l;
    s0.h = r1.h ^ r2.h ^ r3.h;

    //Maj
    Maj.l = (a.l & b.l) ^ (a.l & c.l) ^ (b.l & c.l);
    Maj.h = (a.h & b.h) ^ (a.h & c.h) ^ (b.h & c.h);

    int64add5(T1, h, s1, Ch, sha512_k[j], W[j]);
    int64add(T2, s0, Maj);

    int64copy(h, g);
    int64copy(g, f);
    int64copy(f, e);

```

```

    int64add(e, d, T1);
    int64copy(d, c);
    int64copy(c, b);
    int64copy(b, a);
    int64add(a, T1, T2);
}

int64add(H[0], H[0], a);
int64add(H[1], H[1], b);
int64add(H[2], H[2], c);
int64add(H[3], H[3], d);
int64add(H[4], H[4], e);
int64add(H[5], H[5], f);
int64add(H[6], H[6], g);
int64add(H[7], H[7], h);
}

//represent the hash as an array of 32-bit dwords
var hash = new Array(16);
for(i=0; i<8; i++)
{
    hash[2*i] = H[i].h;
    hash[2*i + 1] = H[i].l;
}
return hash;
}

//A constructor for 64-bit numbers
function int64(h, l)
{
    this.h = h;
    this.l = l;
    //this.toString = int64toString;

```

```
}
```

```
//Copies src into dst, assuming both are 64-bit numbers
```

```
function int64copy(dst, src)
```

```
{
```

```
    dst.h = src.h;
```

```
    dst.l = src.l;
```

```
}
```

```
//Right-rotates a 64-bit number by shift
```

```
//Won't handle cases of shift>=32
```

```
//The function revrrot() is for that
```

```
function int64rrot(dst, x, shift)
```

```
{
```

```
    dst.l = (x.l >>> shift) | (x.h << (32-shift));
```

```
    dst.h = (x.h >>> shift) | (x.l << (32-shift));
```

```
}
```

```
//Reverses the dwords of the source and then rotates right by shift.
```

```
//This is equivalent to rotation by 32+shift
```

```
function int64revrrot(dst, x, shift)
```

```
{
```

```
    dst.l = (x.h >>> shift) | (x.l << (32-shift));
```

```
    dst.h = (x.l >>> shift) | (x.h << (32-shift));
```

```
}
```

```
//Bitwise-shifts right a 64-bit number by shift
```

```
//Won't handle shift>=32, but it's never needed in SHA512
```

```
function int64shr(dst, x, shift)
```

```
{
```

```
    dst.l = (x.l >>> shift) | (x.h << (32-shift));
```

```
    dst.h = (x.h >>> shift);
```

```
}
```

```
//Adds two 64-bit numbers
```

```
//Like the original implementation, does not rely on 32-bit operations
```

```
function int64add(dst, x, y)
```

```
{
```

```
    var w0 = (x.l & 0xffff) + (y.l & 0xffff);
```

```
    var w1 = (x.l >>> 16) + (y.l >>> 16) + (w0 >>> 16);
```

```
    var w2 = (x.h & 0xffff) + (y.h & 0xffff) + (w1 >>> 16);
```

```
    var w3 = (x.h >>> 16) + (y.h >>> 16) + (w2 >>> 16);
```

```
    dst.l = (w0 & 0xffff) | (w1 << 16);
```

```
    dst.h = (w2 & 0xffff) | (w3 << 16);
```

```
}
```

```
//Same, except with 4 addends. Works faster than adding them one by one.
```

```
function int64add4(dst, a, b, c, d)
```

```
{
```

```
    var w0 = (a.l & 0xffff) + (b.l & 0xffff) + (c.l & 0xffff) + (d.l & 0xffff);
```

```
    var w1 = (a.l >>> 16) + (b.l >>> 16) + (c.l >>> 16) + (d.l >>> 16) + (w0 >>> 16);
```

```
    var w2 = (a.h & 0xffff) + (b.h & 0xffff) + (c.h & 0xffff) + (d.h & 0xffff) + (w1 >>> 16);
```

```
    var w3 = (a.h >>> 16) + (b.h >>> 16) + (c.h >>> 16) + (d.h >>> 16) + (w2 >>> 16);
```

```
    dst.l = (w0 & 0xffff) | (w1 << 16);
```

```
    dst.h = (w2 & 0xffff) | (w3 << 16);
```

```
}
```

```
//Same, except with 5 addends
```

```
function int64add5(dst, a, b, c, d, e)
```

```
{
```

```
    var w0 = (a.l & 0xffff) + (b.l & 0xffff) + (c.l & 0xffff) + (d.l & 0xffff) + (e.l & 0xffff);
```

```
    var w1 = (a.l >>> 16) + (b.l >>> 16) + (c.l >>> 16) + (d.l >>> 16) + (e.l >>> 16) + (w0 >>> 16);
```

```
    var w2 = (a.h & 0xffff) + (b.h & 0xffff) + (c.h & 0xffff) + (d.h & 0xffff) + (e.h & 0xffff) +  
    (w1 >>> 16);  
    var w3 = (a.h >>> 16) + (b.h >>> 16) + (c.h >>> 16) + (d.h >>> 16) + (e.h >>> 16) + (w2  
>>> 16);  
    dst.l = (w0 & 0xffff) | (w1 << 16);  
    dst.h = (w2 & 0xffff) | (w3 << 16);  
}
```

SliderSetup.js

```
jQuery(document).ready(function ($) {  
    //Reference http://www.jssor.com/development/tip-make-responsive-slider.html  
  
    var _CaptionTransitions = [];  
  
    _CaptionTransitions["CLIP|L"] = { $Duration: 600, $Clip: 1, $Easing:  
$JssorEasing$.EaseInOutCubic };  
  
    _CaptionTransitions["RTT|10"] = { $Duration: 600, $Zoom: 11, $Rotate: 1, $Easing:  
{ $Zoom: $JssorEasing$.EaseInExpo, $Opacity: $JssorEasing$.EaseLinear, $Rotate:  
$JssorEasing$.EaseInExpo }, $Opacity: 2, $Round: { $Rotate: 0.8 } };  
  
    _CaptionTransitions["ZMF|10"] = { $Duration: 600, $Zoom: 11, $Easing: { $Zoom:  
$JssorEasing$.EaseInExpo, $Opacity: $JssorEasing$.EaseLinear }, $Opacity: 2 };  
  
    _CaptionTransitions["FLTTR|R"] = { $Duration: 600, x: -0.2, y: -0.1, $Easing: {  
$Left: $JssorEasing$.EaseLinear, $Top: $JssorEasing$.EaseInWave }, $Opacity: 2,  
$Round: { $Top: 1.3 } };  
  
    var options = {  
        $AutoPlay: true, // [Optional] Whether to auto play, to enable  
        // slideshow, this option must be set to true, default value is false  
  
        $DragOrientation: 3, // [Optional] Orientation to drag slide, 0 no  
        // drag, 1 horizontal, 2 vertical, 3 either, default value is 1 (Note that the $DragOrientation  
        // should be the same as $PlayOrientation when $DisplayPieces is greater than 1, or parking  
        // position is not 0),  
  
        $CaptionSliderOptions: { // [Optional] Options which specifies  
        // how to animate caption  
  
            $Class: $JssorCaptionSlider$, // [Required] Class to create instance to  
            // animate caption  
  
            $CaptionTransitions: _CaptionTransitions, // [Required] An array of caption  
            // transitions to play caption, see caption transition section at jssor slideshow transition builder  
  
            $PlayInMode: 1, // [Optional] 0 None (no play), 1 Chain  
            // (goes after main slide), 3 Chain Flatten (goes after main slide and flatten all caption  
            // animations), default value is 1  
  
            $PlayOutMode: 3 // [Optional] 0 None (no play), 1 Chain  
            // (goes before main slide), 3 Chain Flatten (goes before main slide and flatten all caption  
            // animations), default value is 1  
        }  
    };  
};
```



```

var jssor_slider2 = new $JssorSlider$("slider2_container", options);

//responsive code begin
//you can remove responsive code if you don't want the slider scales while window
resizes
function ScaleSlider() {

    //reserve blank width for margin+padding: margin+padding-left (10) +
margin+padding-right (10)
    var paddingWidth = 20;

    //minimum width should reserve for text
    var minReserveWidth = 225;

    var parentElement = jssor_slider2.$Elmt.parentNode;

    //evaluate parent container width
    var parentWidth = parentElement.clientWidth;

    if (parentWidth) {

        //exclude blank width
        var availableWidth = parentWidth - paddingWidth;

        //calculate slider width as 70% of available width
        var sliderWidth = availableWidth * 0.7;

        //slider width is maximum 600
        sliderWidth = Math.min(sliderWidth, 600);

        //slider width is minimum 200

```

```

        sliderWidth = Math.max(sliderWidth, 200);
        var clearFix = "none";

        //evaluate free width for text, if the width is less than minReserveWidth then fill
parent container
        if (availableWidth - sliderWidth < minReserveWidth) {

            //set slider width to available width
            sliderWidth = availableWidth;

            //slider width is minimum 200
            sliderWidth = Math.max(sliderWidth, 200);

            clearFix = "both";
        }

        //clear fix for safari 3.1, chrome 3
        $('#clearFixDiv').css('clear', clearFix);

        jssor_slider2.$ScaleWidth(sliderWidth);
    }
    else
        window.setTimeout(ScaleSlider, 30);
    }
    ScaleSlider();

    $(window).bind("load", ScaleSlider);
    $(window).bind("resize", ScaleSlider);
    $(window).bind("orientationchange", ScaleSlider);
    //responsive code end
});

```

visibility.js

```
$(function () {  
    $('.expander').live('click', function () {  
        $('#TableData').slideToggle();  
    });  
});
```

Appendix I. Application Visual Basic

MDIParent.vb

```
Imports System.Windows.Forms
```

```
Public Class MDIParent1
```

```
    Public Login As Integer
```

```
    Private Sub ShowNewForm(ByVal sender As Object, ByVal e As EventArgs)
```

```
        ' Create a new instance of the child form.
```

```
        Dim ChildForm As New System.Windows.Forms.Form
```

```
        ' Make it a child of this MDI form before showing it.
```

```
        ChildForm.MdiParent = Me
```

```
        m_ChildFormNumber += 1
```

```
        ChildForm.Text = "Window " & m_ChildFormNumber
```

```
        ChildForm.Show()
```

```
    End Sub
```

```
    Private Sub OpenFile(ByVal sender As Object, ByVal e As EventArgs)
```

```
        Dim OpenFileDialog As New OpenFileDialog
```

```
        OpenFileDialog.InitialDirectory =  
My.Computer.FileSystem.SpecialDirectories.MyDocuments
```

```

        OpenFileDialog.Filter = "Text Files (*.txt)|*.txt|All Files (*.*)|*.*"
    If (OpenFileDialog.ShowDialog(Me) = System.Windows.Forms.DialogResult.OK)
Then
        Dim FileName As String = OpenFileDialog.FileName
        ' TODO: Add code here to open the file.
    End If
End Sub

Private Sub SaveAsToolStripMenuItem_Click(ByVal sender As Object, ByVal e As
EventArgs)
    Dim SaveFileDialog As New SaveFileDialog
    SaveFileDialog.InitialDirectory =
My.Computer.FileSystem.SpecialDirectories.MyDocuments
    SaveFileDialog.Filter = "Text Files (*.txt)|*.txt|All Files (*.*)|*.*"

    If (SaveFileDialog.ShowDialog(Me) = System.Windows.Forms.DialogResult.OK) Then
        Dim FileName As String = SaveFileDialog.FileName
        ' TODO: Add code here to save the current contents of the form to a file.
    End If
End Sub

Private Sub ExitToolsStripMenuItem_Click(ByVal sender As Object, ByVal e As
EventArgs)
    Me.Close()
End Sub

Private Sub CutToolStripMenuItem_Click(ByVal sender As Object, ByVal e As
EventArgs)
    ' Use My.Computer.Clipboard to insert the selected text or images into the clipboard
End Sub

Private Sub CopyToolStripMenuItem_Click(ByVal sender As Object, ByVal e As
EventArgs)

```

```
' Use My.Computer.Clipboard to insert the selected text or images into the clipboard  
End Sub
```

```
Private Sub PasteToolStripMenuItem_Click(ByVal sender As Object, ByVal e As  
EventArgs)  
    'Use My.Computer.Clipboard.GetText() or My.Computer.Clipboard.GetData to retrieve  
    information from the clipboard.  
End Sub
```

```
Private Sub CascadeToolStripMenuItem_Click(ByVal sender As Object, ByVal e As  
EventArgs)  
    Me.LayoutMdi(MdiLayout.Cascade)  
End Sub
```

```
Private Sub TileVerticalToolStripMenuItem_Click(ByVal sender As Object, ByVal e As  
EventArgs)  
    Me.LayoutMdi(MdiLayout.TileVertical)  
End Sub
```

```
Private Sub TileHorizontalToolStripMenuItem_Click(ByVal sender As Object, ByVal e  
As EventArgs)  
    Me.LayoutMdi(MdiLayout.TileHorizontal)  
End Sub
```

```
Private Sub ArrangeIconsToolStripMenuItem_Click(ByVal sender As Object, ByVal e As  
EventArgs)  
    Me.LayoutMdi(MdiLayout.ArrangeIcons)  
End Sub
```

```
Private Sub CloseAllToolStripMenuItem_Click(ByVal sender As Object, ByVal e As  
EventArgs)  
    ' Close all child forms of the parent.  
    For Each ChildForm As Form In Me.MdiChildren  
        ChildForm.Close()
```

```
Next  
End Sub
```

```
Private m_ChildFormNumber As Integer  
Private Sub MDIParent1_Load(sender As Object, e As EventArgs) Handles MyBase.Load  
    frmLogon.MdiParent = Me  
    frmLogon.Dock = DockStyle.Fill  
    frmLogon.Show()  
End Sub
```

```
Private Sub AccountManagerToolStripMenuItem_Click(sender As Object, e As  
EventArgs) Handles AccountManagerToolStripMenuItem.Click  
    If Login = 1 Then  
        frmAccountManager.MdiParent = Me  
        frmAccountManager.Dock = DockStyle.Fill  
        frmAccountManager.Show()  
    Else  
        MsgBox("Please login first!")  
    End If  
  
End Sub
```

```
Private Sub StockManagerToolStripMenuItem_Click(sender As Object, e As EventArgs)  
Handles StockManagerToolStripMenuItem.Click  
    If Login = 1 Then  
        frmStockManager.MdiParent = Me  
        frmStockManager.Dock = DockStyle.Fill  
        frmStockManager.Show()  
    Else  
        MsgBox("Please login first!")  
    End If
```

End Sub

Private Sub WebsiteManagerToolStripMenuItem_Click(sender As Object, e As EventArgs)

 If Login = 1 Then

 frmWebsiteManager.MdiParent = Me

 frmWebsiteManager.Dock = DockStyle.Fill

 frmWebsiteManager.Show()

 Else

 MsgBox("Please login first!")

 End If

End Sub

Private Sub LogoutToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles LogoutToolStripMenuItem.Click

 If Login = 1 Then

 frmLogon.MdiParent = Me

 frmLogon.Dock = DockStyle.Fill

 frmLogon.Show()

 Login = 0

 End If

End Sub

End Class

Logon.vb

Public Class frmLogon

Private Sub chkPassword_CheckedChanged(sender As Object, e As EventArgs) Handles chkPassword.CheckedChanged

```

If chkPassword.Checked = True Then
    txtPassword.UseSystemPasswordChar = True
Else
    txtPassword.UseSystemPasswordChar = False
End If
End Sub

```

```

Private Sub frmLogon_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    chkPassword.Checked = True
End Sub

```

```

Private Sub btnLogon_Click(sender As Object, e As EventArgs) Handles btnLogon.Click

    If txtUserName.Text = "username" And txtPassword.Text = "password" Then
        frmMainMenu.MdiParent = MDIParent1
        frmMainMenu.Dock = DockStyle.Fill
        frmMainMenu.Show()
        Me.Close()
        MDIParent1.Login = 1
    Else
        MsgBox("Incorrect username or password entered please try again!",
MsgBoxStyle.Information)
        txtPassword.Text = ""
        txtUserName.Text = ""
        Me.txtUserName.Focus()
    End If
End Sub

```

```

Private Sub txtUserName_GotFocus(sender As Object, e As EventArgs) Handles
txtUserName.GotFocus
    txtUserName.SelectAll()
End Sub

```



```
Private Sub txtPassword_GotFocus(sender As Object, e As EventArgs) Handles  
txtPassword.GotFocus
```

```
    txtPassword.SelectAll()
```

```
End Sub
```

```
End Class
```

MainMenu.vb

```
Public Class frmMainMenu
```

```
    Dim OBJ As New MDIParent1
```

```
Private Sub btnStockManager_Click(sender As Object, e As EventArgs) Handles  
btnStockManger.Click
```

```
    frmStockManager.MdiParent = MDIParent1
```

```
    frmStockManager.Dock = DockStyle.Fill
```

```
    frmStockManager.Show()
```

```
    Me.Close()
```

```
End Sub
```

```
Private Sub btnAccountManager_Click(sender As Object, e As EventArgs) Handles  
btnAccountManger.Click
```

```
    frmAccountManager.MdiParent = MDIParent1
```

```
    frmAccountManager.Dock = DockStyle.Fill
```

```
    frmAccountManager.Show()
```

```
    Me.Close()
```

```
End Sub
```

```
Private Sub btnWebSiteManager_Click(sender As Object, e As EventArgs)
```

```
    frmWebsiteManager.MdiParent = MDIParent1
```

```
    frmWebsiteManager.Dock = DockStyle.Fill
```

```
    frmWebsiteManager.Show()
```

```
    Me.Close()
```

End Sub

Private Sub btnLogout_Click(sender As Object, e As EventArgs) Handles btnLogout.Click

frmLogon.MdiParent = MDIParent1

frmLogon.Dock = DockStyle.Fill

frmLogon.Show()

MDIParent1.Login = 0

Me.Close()

End Sub

Private Sub frmMainMenu_Load(sender As Object, e As EventArgs) Handles MyBase.Load

End Sub

End Class

StockManager

Imports MySql.Data.MySqlClient

Imports System.Net

Public Class frmStockManager

Dim img As String

Dim con As New MySqlConnection

Dim dbprovider As String

Dim dbusername As String

Dim dbpassword As String

Dim dbtype As String

Dim FileName As String

Dim tempFileName As String

Dim DelFileName As String

```
Dim ds As New DataSet
```

```
Dim sql As String
```

```
Dim da As MySqlDataAdapter
```

```
Dim ID As Integer
```

```
Public Sub dbConnection()
```

```
    dbprovider = "Host=localhost;"
```

```
    dbusername = "User=Owner;"
```

```
    dbpassword = "Password=S8h462NGcUJbNDSu;"
```

```
    dbtype = "Database=websitedevelopment"
```

```
End Sub
```

```
Public Sub ProductCode()
```

```
    MsgBox("Please enter a product code!")
```

```
    txtProductCode.SelectAll()
```

```
    txtProductCode.Focus()
```

```
    txtProductCode.BackColor = Color.Red
```

```
    txtProductCode.ForeColor = Color.White
```

```
End Sub
```

```
Public Sub Title()
```

```
    txtTitle.SelectAll()
```

```
    MsgBox("Please enter a product name!")
```

```
    txtTitle.Focus()
```

```
    txtTitle.BackColor = Color.Red
```

```
    txtTitle.ForeColor = Color.White
```

```
End Sub
```

```
Public Sub Price()
```

```
txtPrice.SelectAll()  
MsgBox("Please enter a product price!")  
txtPrice.Focus()  
txtPrice.BackColor = Color.Red  
txtPrice.ForeColor = Color.White
```

End Sub

Public Sub Description()

```
txtDescription.SelectAll()  
MsgBox("Please enter a product description!")  
txtDescription.Focus()  
txtDescription.BackColor = Color.Red  
txtDescription.ForeColor = Color.White
```

End Sub

Public Sub Image()

```
MsgBox("Please select product picture!")  
bntPicture.Focus()  
bntPicture.BackColor = Color.Red  
bntPicture.ForeColor = Color.White
```

End Sub

Public Sub UploadPicture()

'to copy file to local test directory

If

My.Computer.FileSystem.FileExists(My.Computer.FileSystem.SpecialDirectories.ProgramFiles & "\EasyPHP-DevServer-14.1VC11\data\localweb\projects\img\CartItems\" + FileName)

Then

Else

```
FileCopy(SelectImg.FileName.ToString,
My.Computer.FileSystem.SpecialDirectories.ProgramFiles & "\EasyPHP-DevServer-
14.1VC11\data\localweb\projects\img\CartItems\" + FileName)
```

```
End If
```

```
End Sub
```

```
Public Sub DeletePicture()
```

```
If
My.Computer.FileSystem.FileExists(My.Computer.FileSystem.SpecialDirectories.ProgramFi
les & "\EASYPH~1.1VC\data\localweb\projects\img\CartItems\" + DelFileName) Then
```

```
Kill(My.Computer.FileSystem.SpecialDirectories.ProgramFiles &
"\EASYPH~1.1VC\data\localweb\projects\img\CartItems\" + DelFileName)
```

```
End If
```

```
End Sub
```

```
Public Sub OpenConnection()
```

```
dbConnection()
```

```
con.ConnectionString = dbprovider & dbusername & dbpassword & dbtype
con.Open()
```

```
End Sub
```

```
Public Sub MembersTable()
```

```
sql = "SELECT * FROM members "
```

```
End Sub
```

```
Public Sub Products()
```

```
sql = "SELECT * FROM products"
```

```
End Sub
```

```
Public Sub CloseConnection()
```

```
    con.Close()
```

```
End Sub
```

```
Private Sub btnLogout_Click(sender As Object, e As EventArgs) Handles  
btnMainMenu.Click
```

```
    frmMainMenu.MdiParent = MDIParent1
```

```
    frmMainMenu.Dock = DockStyle.Fill
```

```
    frmMainMenu.Show()
```

```
    Me.Close()
```

```
End Sub
```

```
Private Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click
```

```
    btnAdd.Visible = False
```

```
    btnEdit.Visible = False
```

```
    btnDelete.Visible = False
```

```
    lblStockID.Visible = True
```

```
    lblStockManager.Visible = True
```

```
    lblEdit.Visible = False
```

```
    lblAdd.Visible = True
```

```
    lblDelete.Visible = False
```

```
    txtDescription.Visible = True
```

```
    txtPrice.Visible = True
```

```
    txtTitle.Visible = True
```

lstStockList.Visible = False

grp1.Visible = True

btnStockManager.Visible = True

btnRemove.Visible = False

btnSave.Visible = True

End Sub

Private Sub btnEdit_Click(sender As Object, e As EventArgs) Handles btnEdit.Click

btnAdd.Visible = False

btnEdit.Visible = False

btnDelete.Visible = False

lblStockID.Visible = True

lblStockManager.Visible = True

lblEdit.Visible = True

lblAdd.Visible = False

lblDelete.Visible = False

txtDescription.Visible = True

txtPrice.Visible = True

txtTitle.Visible = True

lstStockList.Visible = True

grp1.Visible = True

btnStockManager.Visible = True

btnRemove.Visible = False

btnSave.Visible = True

End Sub

Private Sub btnDelete_Click(sender As Object, e As EventArgs) Handles btnDelete.Click

 btnAdd.Visible = False

 btnEdit.Visible = False

 btnDelete.Visible = False

 lblStockID.Visible = True

 lblStockManager.Visible = True

 lblEdit.Visible = False

 lblAdd.Visible = False

 lblDelete.Visible = True

 txtDescription.Visible = True

 txtPrice.Visible = True

 txtTitle.Visible = True

 lstStockList.Visible = True

 grp1.Visible = True

 btnStockManager.Visible = True

 btnRemove.Visible = True

 btnSave.Visible = False

End Sub

Private Sub btnStockManager_Click(sender As Object, e As EventArgs) Handles
btnStockManager.Click

 btnAdd.Visible = True

 btnEdit.Visible = True

 btnDelete.Visible = True


```
txtProductCode.Text = ""  
txtDescription.Text = ""  
txtPrice.Text = ""  
txtTitle.Text = ""  
StockImg.ImageLocation = ""
```

```
lblStockID.Visible = False  
lblStockManager.Visible = True  
lblEdit.Visible = False  
lblAdd.Visible = False  
lblDelete.Visible = False
```

```
txtDescription.Visible = False  
txtPrice.Visible = False  
txtTitle.Visible = False
```

```
lstStockList.Visible = False  
grp1.Visible = False
```

```
btnStockManager.Visible = False  
btnRemove.Visible = False  
btnSave.Visible = False
```

End Sub

Private Sub bntPicture_Click(sender As Object, e As EventArgs) Handles bntPicture.Click

```
SelectImg.Title = "Please select a photo"  
SelectImg.InitialDirectory = Environ$("USERPROFILE") & "\Pictures\  
SelectImg.ShowDialog()  
FileName = SelectImg.SafeFileName  
StockImg.ImageLocation = SelectImg.FileName.ToString
```

```

StockImg.Visible = True

StockImg.SizeMode = PictureBoxSizeMode.Zoom

SelectImg.Filter = "All
Images|*.BMP;*.DIB;*.RLE;*.JPG;*.JPEG;*.JPE;*.JFIF;*.GIF;*.TIF;*.TIFF;*.PNG|All
Files (*.*)|*.*"

SelectImg.FilterIndex = 1

End Sub

Private Sub frmStockManager_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
    OpenConnection()
    Products()

    da = New MySqlDataAdapter(sql, con)
    da.Fill(ds, "products")

    For Each row As DataRow In ds.Tables("products").Rows
        lstStockList.Items.Add(row.Item("product_name"))
    Next row

    CloseConnection()

End Sub

Private Sub lstStockList_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles lstStockList.SelectedIndexChanged

    Dim COMMAND As MySqlCommand
    Dim READER As MySqlDataReader

    If lstStockList.SelectedItem Is Nothing Then
        Return
    End If

    Dim Item As String = lstStockList.SelectedItem.ToString()

    OpenConnection()

```

Try

Dim Query As String

Query = "SELECT * FROM products WHERE product_name=" & lstStockList.Text
& ""

COMMAND = New MySqlCommand(Query, con)

READER = COMMAND.ExecuteReader

While READER.Read

ID = READER.Item("id")

txtProductCode.Text = READER.Item("product_code")

txtTitle.Text = READER.Item("product_name")

txtPrice.Text = READER.Item("price")

txtDescription.Text = READER.Item("product_desc")

StockImg.ImageLocation =
My.Computer.FileSystem.SpecialDirectories.ProgramFiles &
"\EASYPH~1.1VC\data\localweb\projects\img\CartItems\" &
READER.Item("product_img_name")

DelFileName = READER.Item("product_img_name")

End While

Catch ex As MySqlException

MessageBox.Show(ex.Message)

End Try

CloseConnection()

End Sub

Private Sub btnSave_Click(sender As Object, e As EventArgs) Handles btnSave.Click

If txtProductCode.Text = "" Then

ProductCode()

ElseIf txtTitle.Text = "" Then

Title()

```

ElseIf txtPrice.Text = "" Or Not IsNumeric(txtPrice.Text) Then
    Price()
ElseIf txtDescription.Text = "" Then
    Description()
ElseIf FileName = "" Then
    Image()
ElseIf lstStockList.Items.Contains(txtTitle.Text) Then

    tempFileName = FileName

    Dim sql = "update products set product_code = @p2, product_name = @p3,
product_desc = @p4, product_img_name = @p5, price = @p6 Where product_code = " &
txtProductCode.Text & ""

    Using con = New MySqlConnection(dbprovider & dbusername & dbpassword &
dbtype)
        Using cmd = New MySqlCommand(sql, con)
            con.Open()
            cmd.Parameters.AddWithValue("@p2", txtProductCode.Text)
            cmd.Parameters.AddWithValue("@p3", txtTitle.Text)
            cmd.Parameters.AddWithValue("@p4", txtDescription.Text)
            cmd.Parameters.AddWithValue("@p5", FileName)
            cmd.Parameters.AddWithValue("@p6", txtPrice.Text)
            cmd.ExecuteNonQuery()
        End Using
        UploadPicture()

        MsgBox("Update Done")
    End Using
Else
    dbConnection()

    Dim sql = "INSERT INTO products(product_code, product_name, product_desc,
product_img_name, price)" & _

```

"VALUES(?,?,?,?)"

Using con = New MySqlConnection(dbprovider & dbusername & dbpassword & dbtype)

Using cmd = New MySqlCommand(sql, con)

con.Open()

cmd.Parameters.AddWithValue("@p2", txtProductCode.Text)

cmd.Parameters.AddWithValue("@p3", txtTitle.Text)

cmd.Parameters.AddWithValue("@p4", txtDescription.Text)

cmd.Parameters.AddWithValue("@p5", FileName)

cmd.Parameters.AddWithValue("@p6", txtPrice.Text)

cmd.ExecuteNonQuery()

End Using

UploadPicture()

MsgBox("Item Saved")

lstStockList.Items.Add(txtTitle.Text)

End Using

End If

End Sub

Private Sub btnRemove_Click(sender As Object, e As EventArgs) Handles btnRemove.Click

OpenConnection()

Dim sql = "DELETE FROM products Where product_code =" & txtProductCode.Text & ""

Using con = New MySqlConnection(dbprovider & dbusername & dbpassword & dbtype)

Using cmd = New MySqlCommand(sql, con)

con.Open()

cmd.Parameters.AddWithValue("@p1", txtProductCode.Text)

cmd.ExecuteNonQuery()

End Using

DeletePicture()

```
MsgBox("Delete Done")
```

```
lstStockList.Items.Remove(txtTitle.Text)
```

```
txtDescription.Text = ""
```

```
txtPrice.Text = ""
```

```
txtTitle.Text = ""
```

```
txtProductCode.Text = ""
```

```
StockImg.ImageLocation = ""
```

```
End Using
```

```
CloseConnection()
```

```
End Sub
```

```
Private Sub txtProductCode_LostFocus(sender As Object, e As EventArgs) Handles  
txtProductCode.LostFocus
```

```
txtProductCode.Text = UCase(txtProductCode.Text)
```

```
End Sub
```

```
Private Sub txtTitle_LostFocus(sender As Object, e As EventArgs) Handles  
txtTitle.LostFocus
```

```
txtTitle.Text = StrConv(txtTitle.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
End Class
```

AccountManager.vb

```
Public Class frmAccountManager
```

```
Private Sub btnMainMenu_Click(sender As Object, e As EventArgs) Handles  
btnMainMenu.Click
```

```
frmMainMenu.MdiParent = MDIParent1
```

```
frmMainMenu.Dock = DockStyle.Fill
```

```
frmMainMenu.Show()
```

```
Me.Close()
```

```
End Sub
```

Private Sub btnNewAccount_Click(sender As Object, e As EventArgs) Handles
btnNewAccount.Click

frmNewAccountManager.NewWindows = "NewAccount"

frmNewAccountManager.MdiParent = MDIParent1

frmNewAccountManager.Dock = DockStyle.Fill

frmNewAccountManager.Show()

Me.Close()

End Sub

Private Sub btnDelAccount_Click(sender As Object, e As EventArgs) Handles
btnDelAccount.Click

frmNewAccountManager.NewWindows = "DeleteAccount"

frmNewAccountManager.MdiParent = MDIParent1

frmNewAccountManager.Dock = DockStyle.Fill

frmNewAccountManager.Show()

Me.Close()

End Sub

Private Sub btnAccountLookup_Click(sender As Object, e As EventArgs) Handles
btnAccountLookup.Click

frmNewAccountManager.NewWindows = "AccountLookup"

frmNewAccountManager.MdiParent = MDIParent1

frmNewAccountManager.Dock = DockStyle.Fill

frmNewAccountManager.Show()

Me.Close()

End Sub

End Class

NewAccountManager.vb

Imports System.Text.RegularExpressions

Imports System.Windows.Forms

Imports System.Security

Imports System.Text

Imports System.Security.Cryptography.SHA512Managed

Imports System.IO

Imports MySql.Data.MySqlClient

Imports System.Net.Mail

Public Class frmNewAccountManager

Dim ds As New DataSet

Dim sql As String

Dim da As MySqlDataAdapter

Dim con As New MySqlConnection

Dim dbprovider As String

Dim dbusername As String

Dim dbpassword As String

Dim dbType As String

Dim COMMAND As MySqlCommand

Dim READER As MySqlDataReader

Dim username As String

Dim pin As String

Dim ID As Integer

Dim FirstName As String

Dim LastName As String

Dim AccountDetails As String

Public NewWindows As String

Dim SetupType As String

Public Function validateEmail(emailAddress) As Boolean

 ' Dim email As New Regex("(^(<user>[^@]+)@(<host>.+)\$")

 Dim email As New Regex("([\\w-+]+(?:\\.\\w-+)+)*@(?:[\\w-]+\\.)+[a-zA-Z]{2,7})")

 If email.IsMatch(emailAddress) Then

 Return True

 Else

 Return False

 End If

End Function

Public Sub CreateDirectory()

 Dim defaultPath As String = My.Computer.FileSystem.SpecialDirectories.ProgramFiles & "\\EASYPH~1.1VC\\data\\localweb\\projects\\parts\\UserArea\\master\\"

 Dim FolderName As String = txtFirstName.Text & txtLastName.Text

 Dim path As String = My.Computer.FileSystem.SpecialDirectories.ProgramFiles & "\\EASYPH~1.1VC\\data\\localweb\\projects\\parts\\UserArea" & "\\" & txtFirstName.Text & txtLastName.Text

 If Directory.Exists(path) Then

 MsgBox("Directory already exists")

 Else

 Directory.CreateDirectory(path)

 Directory.CreateDirectory(path + "\\img")

 FileCopy(defaultPath + "index.php",
My.Computer.FileSystem.SpecialDirectories.ProgramFiles & "\\EasyPHP-DevServer-14.1VC11\\data\\localweb\\projects\\parts\\UserArea\\" & FolderName & "\\index.php")

 End If

End Sub

Public Sub DeleteDirectory()

Nigel Hopkins (30026387)

```
Dim path As String = My.Computer.FileSystem.SpecialDirectories.ProgramFiles &
"\EASYPH~1.1VC\data\localweb\projects\parts\UserArea\" & txtFirstName.Text &
txtLastName.Text & "\"
```

```
If Directory.Exists(path) Then
    System.IO.Directory.Delete(path, True)
Else
    MsgBox("No directory found")
End If
End Sub
```

```
Public Sub SendDetails()
```

```
Dim EmailMessage As New MailMessage()
Try
    EmailMessage.From = New MailAddress("nhwebsitedevelopment@gmail.com",
    "Website Development")
    EmailMessage.To.Add(txtEmail.Text)
    EmailMessage.Subject = "Please complete Website development registration!"
    EmailMessage.IsBodyHtml = True
    EmailMessage.Body = "Hi & txtFirstName.Text & " & txtLastName.Text & "<br>"
    & "<br>" & _
        "Email Address :" & txtEmail.Text & _
        "<p> Pin Number :" & pin & "</p>" & _
        SetupType & _
        "<p> Inorder to login into your account you will need to set a password.
To do this please click the link below and use the email address used to register and the pin
number show at the top o this email" & _
        "please follow the link below to set your password. </p>" & _
        "<p>" & "http://127.0.0.1:8081/projects/register.php" & "</p>" & _
        "<p>Kind Regards</p>" & _
```

Nigel Hopkins (30026387)

```

        "N Hopkins"

        Dim SMTP As New SmtplibClient("smtp.gmail.com")
        SMTP.Port = 587
        SMTP.EnableSsl = True
        SMTP.Credentials = New
System.Net.NetworkCredential("nhwebsitedevelopment@gmail.com", "aa412lta")
        SMTP.Send(EmailMessage)
        Catch ex As Exception

    End Try
End Sub

Public Sub PinNumber()
    Dim number As Integer
    number = (Int(99999 / Rnd()))
    pin = number.ToString
End Sub

Public Sub ChangePin()

    PinNumber()

    Dim sql = "update members set Pin = @p15 Where id = '" & lblNewAccountID.Text &
    "";"

    Using con = New MySqlConnection(dbprovider & dbusername & dbpassword &
dbType)
        Using cmd = New MySqlCommand(sql, con)
            con.Open()
            cmd.Parameters.AddWithValue("@p15", pin)
            cmd.ExecuteNonQuery()
        End Using
        MsgBox("Update Done")
    End Using

```

End Sub

Public Sub ConnectionDeatails()

dbprovider = "Host=localhost;"

dbusername = "User=Owner;"

dbpassword = "Password=S8h462NGcUJbNDSu;"

dbType = "Database=websitedevelopment"

End Sub

Public Sub OpenConnection()

ConnectionDeatails()

con.ConnectionString = dbprovider & dbusername & dbpassword & dbType

con.Open()

End Sub

Public Sub CloseConnection()

con.Close()

End Sub

Public Sub ReadFromDatbase()

OpenConnection()

Try

Dim Query As String

```
Query = "SELECT * FROM members WHERE id = '" & lblNewAccountID.Text & "'  
& username ='" & txtEmail.Text & """
```

```
COMMAND = New MySqlCommand(Query, con)
```

```
READER = COMMAND.ExecuteReader
```

```
While READER.Read
```

```
    ID = READER.Item("id")
```

```
    lblNewAccountID.Text = READER.Item("id")
```

```
    txtCompanyName.Text = READER.Item("CompanyName")
```

```
    txtFirstName.Text = READER.Item("FirstName")
```

```
    txtLastName.Text = READER.Item("LastName")
```

```
    txtEmail.Text = READER.Item("email")
```

```
    txtPhoneNumber.Text = READER.Item("PhoneNumber")
```

```
    txtBuildingNumber.Text = READER.Item("BuildingNumber")
```

```
    txtStreetName.Text = READER.Item("StreetName")
```

```
    txtCity.Text = READER.Item("City")
```

```
    txtCounty.Text = READER.Item("County")
```

```
    txtPostalCode.Text = READER.Item("PostalCode")
```

```
End While
```

```
Catch ex As MySqlException
```

```
    MessageBox.Show(ex.Message)
```

```
End Try
```

```
CloseConnection()
```

```
End Sub
```

```
Public Sub SaveToDatabase()
```

```
    Try
```

```
        Dim sql = "INSERT INTO members(username, email, CompanyName, FirstName,  
LastName, PhoneNumber, BuildingNumber, StreetName, City, County, PostalCode, pin)" &
```

```
        -
```

```
        "VALUES(?,?,?,?,?,?,?,?,?, ?)"
```

```
        Using con = New MySqlConnection(dbprovider & dbusername & dbpassword &  
dbType)
```

```
            Using cmd = New MySqlCommand(sql, con)
```

```
                con.Open()
```

```

cmd.Parameters.AddWithValue("@p2", username)
cmd.Parameters.AddWithValue("@p3", txtEmail.Text)
cmd.Parameters.AddWithValue("@p6", txtCompanyName.Text)
cmd.Parameters.AddWithValue("@p7", txtFirstName.Text)
cmd.Parameters.AddWithValue("@p8", txtLastName.Text)
cmd.Parameters.AddWithValue("@p9", txtPhoneNumber.Text)
cmd.Parameters.AddWithValue("@p10", txtBuildingNumber.Text)
cmd.Parameters.AddWithValue("@p11", txtStreetName.Text)
cmd.Parameters.AddWithValue("@p12", txtCity.Text)
cmd.Parameters.AddWithValue("@p13", txtCounty.Text)
cmd.Parameters.AddWithValue("@p14", txtPostalCode.Text)
cmd.Parameters.AddWithValue("@p15", pin)

cmd.ExecuteNonQuery()

End Using

End Using

Catch ex As MySqlException

    MessageBox.Show(ex.Message)

End Try

CloseConnection()

End Sub

Public Sub UpdateDatabase()

    Dim sql = "update members set username = @p2, email = @p3, CompanyName = @p6,
FirstName = @p7, LastName = @p8, PhoneNumber = @p9, BuildingNumber = @p10,
StreetName = @p11, City = @p12, County = @p13, PostalCode = @p14 Where id = '" &
lblNewAccountID.Text & "'"

    Using con = New MySqlConnection(dbprovider & dbusername & dbpassword &
dbType)

        Using cmd = New MySqlCommand(sql, con)

            con.Open()

            cmd.Parameters.AddWithValue("@p2", username)

            cmd.Parameters.AddWithValue("@p3", txtEmail.Text)

            cmd.Parameters.AddWithValue("@p6", txtCompanyName.Text)

            cmd.Parameters.AddWithValue("@p7", txtFirstName.Text)

```

```

cmd.Parameters.AddWithValue("@p8", txtLastName.Text)
cmd.Parameters.AddWithValue("@p9", txtPhoneNumber.Text)
cmd.Parameters.AddWithValue("@p10", txtBuildingNumber.Text)
cmd.Parameters.AddWithValue("@p11", txtStreetName.Text)
cmd.Parameters.AddWithValue("@p12", txtCity.Text)
cmd.Parameters.AddWithValue("@p13", txtCounty.Text)
cmd.Parameters.AddWithValue("@p14", txtPostalCode.Text)
cmd.ExecuteNonQuery()

End Using

MsgBox("Update Done")

End Using

Dim Query As String
Query = "SELECT * FROM members WHERE FirstName = '" & txtFirstName.Text &
"' & LastName ='" & txtLastName.Text & """"
COMMAND = New MySqlCommand(Query, con)
READER = COMMAND.ExecuteReader
While READER.Read
    ID = READER.Item("id")
    FirstName = READER.Item("FirstName")
    LastName = READER.Item("LastName")
End While
AccountDetails = ID & " : " & FirstName & " " & LastName

CloseConnection()

End Sub

Public Sub DeleteFromDatabase()

Dim sql = "DELETE FROM members WHERE id =" & lblNewAccountID.Text & """"
Using con = New MySqlConnection(dbprovider & dbusername & dbpassword &
dbType)

```

```
Using cmd = New MySqlCommand(sql, con)
    con.Open()
    cmd.Parameters.AddWithValue("@p1", lblNewAccountID.Text)
    cmd.ExecuteNonQuery()
```

```
End Using
```

```
End Using
```

```
End Sub
```

```
Private Sub btnMainMenu_Click(sender As Object, e As EventArgs) Handles
btnMainMenu.Click
```

```
    frmMainMenu.MdiParent = MDIParent1
```

```
    frmMainMenu.Dock = DockStyle.Fill
```

```
    frmMainMenu.Show()
```

```
    Me.Close()
```

```
End Sub
```

```
Private Sub frmAccountManager_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
```

```
    If NewWindows = "NewAccount" Then
```

```
        bntSave.Visible = True
```

```
        grpAccountDetails.Visible = True
```

```
        lstAccounts.Visible = False
```

```
        grpAccountDetails.Text = NewWindows
```

```
        pnlEnterDetails.Location = New Point(79, 100)
```

```
        pnlAccountNav.Visible = False
```

```
    ElseIf NewWindows = "DeleteAccount" Then
```



```

bntSave.Visible = True
btnDeleteAccount.Visible = True
grpAccountDetails.Visible = True
grpAccountDetails.Text = NewWindows
lstAccounts.Visible = True
pnlAccountNav.Visible = False

ElseIf NewWindows = "AccountLookup" Then

    grpAccountDetails.Text = NewWindows
    bntSave.Visible = True
    grpAccountDetails.Visible = True
    lstAccounts.Visible = True
    pnlEnterDetails.Visible = False

End If

OpenConnection()
sql = "SELECT * FROM members"

da = New MySqlDataAdapter(sql, con)
da.Fill(ds, "members")

For Each row As DataRow In ds.Tables("members").Rows
    ID = row.Item("id")
    FirstName = row.Item("FirstName")
    LastName = row.Item("LastName")
    AccountDetails = ID & " : " & FirstName & " " & LastName
    lstAccounts.Items.Add(AccountDetails)
Next row

```

CloseConnection()

End Sub

Private Sub bntSave_Click(sender As Object, e As EventArgs) Handles bntSave.Click

 If txtFirstName.Text = "" Then

 MsgBox("Please enter customers first name")

 txtFirstName.Focus()

 txtFirstName.SelectAll()

 txtFirstName.BackColor = Color.Red

 txtFirstName.ForeColor = Color.White

 ElseIf txtLastName.Text = "" Then

 MsgBox("Please enter customers last name")

 txtLastName.Focus()

 txtLastName.SelectAll()

 txtLastName.BackColor = Color.Red

 txtLastName.ForeColor = Color.White

 ElseIf txtPhoneNumber.Text = "" Then

 MsgBox("Please enter valid phone number")

 txtPhoneNumber.Focus()

 txtPhoneNumber.SelectAll()

 txtPhoneNumber.BackColor = Color.Red

 txtPhoneNumber.ForeColor = Color.White

 ElseIf txtEmail.Text = "" Then

 MsgBox("Please enter a valid email address")

 txtEmail.Focus()

 txtEmail.SelectAll()

 txtEmail.BackColor = Color.Red

 txtEmail.ForeColor = Color.White

 ElseIf txtBuildingNumber.Text = "" Then

 MsgBox("Please enter a building number")

 txtBuildingNumber.Focus()

Nigel Hopkins (30026387)

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```

txtBuildingNumber.SelectAll()
txtBuildingNumber.BackColor = Color.Red
txtBuildingNumber.ForeColor = Color.White
ElseIf txtStreetName.Text = "" Then
    MsgBox("Please enter a street name")
    txtStreetName.Focus()
    txtStreetName.SelectAll()
    txtStreetName.BackColor = Color.Red
    txtStreetName.ForeColor = Color.White
ElseIf txtCity.Text = "" Then
    MsgBox("Please enter a city")
    txtCity.Focus()
    txtCity.SelectAll()
    txtCity.BackColor = Color.Red
    txtCity.ForeColor = Color.White
ElseIf txtCounty.Text = "" Then
    MsgBox("Please enter a county")
    txtCounty.Focus()
    txtCounty.SelectAll()
    txtCounty.BackColor = Color.Red
    txtCounty.ForeColor = Color.White
ElseIf txtPostalCode.Text = "" Then
    MsgBox("Please enter a postal code")
    txtPostalCode.Focus()
    txtPostalCode.SelectAll()
    txtPostalCode.BackColor = Color.Red
    txtPostalCode.ForeColor = Color.White
Else
    OpenConnection()
    If grpAccountDetails.Text = "New Account" Then
        username = txtEmail.Text
        SetupType = "<p>Your new account has been setup</p>"

```

```

        PinNumber()
        SaveToDatabase()
        CreateDirectory()
        SendDetails()
        MsgBox("Pin : " + pin + vbCrLf + "Username : " + username & vbCrLf & "Item
Saved")
    Else
        username = txtEmail.Text
        UpdateDatabase()
        MsgBox("Changes has been saved!")
    End If

    CloseConnection()

    frmAccountManager.MdiParent = MDIParent1
    frmAccountManager.Dock = DockStyle.Fill
    frmAccountManager.Show()
    Me.Close()
End If
End Sub

Private Sub txtEmail_TextChanged(sender As Object, e As EventArgs)
    username = txtEmail.Text
End Sub

Private Sub lstAccounts_SelectedIndexChanged_1(sender As Object, e As EventArgs)
Handles lstAccounts.SelectedIndexChanged
    If lstAccounts.SelectedItem Is Nothing Then
        Return
    End If
    Dim Item As String = lstAccounts.SelectedItem.ToString

```

OpenConnection()

Dim Query As String

Query = "SELECT * FROM members WHERE id = '" & lstAccounts.Text & "'"

COMMAND = New MySqlCommand(Query, con)

READER = COMMAND.ExecuteReader

While READER.Read

lblNewAccountID.Text = READER.Item("id")

txtCompanyName.Text = READER.Item("CompanyName")

txtFirstName.Text = READER.Item("FirstName")

txtLastName.Text = READER.Item("LastName")

txtEmail.Text = READER.Item("email")

txtPhoneNumber.Text = READER.Item("PhoneNumber")

txtBuildingNumber.Text = READER.Item("BuildingNumber")

txtStreetName.Text = READER.Item("StreetName")

txtCity.Text = READER.Item("City")

txtCounty.Text = READER.Item("County")

txtPostalCode.Text = READER.Item("PostalCode")

pin = READER.Item("Pin")

End While

CloseConnection()

End Sub

Private Sub btnAccountManager_Click(sender As Object, e As EventArgs) Handles
btnAccountManager.Click

frmAccountManager.MdiParent = MDIParent1

```
frmAccountManager.Dock = DockStyle.Fill  
frmAccountManager.Show()  
Me.Close()
```

End Sub

Private Sub btnDeleteAccount_Click(sender As Object, e As EventArgs) Handles
btnDeleteAccount.Click

```
OpenConnection()  
DeleteFromDatabase()  
CloseConnection()  
DeleteDirectory()  
MsgBox("Delete Done")  
lblNewAccountID.Text = " "  
txtFirstName.Text = " "  
txtLastName.Text = " "  
txtEmail.Text = " "  
txtPhoneNumber.Text = " "  
txtCompanyName.Text = " "  
txtBuildingNumber.Text = " "  
txtStreetName.Text = " "  
txtCity.Text = " "  
txtCounty.Text = " "  
txtPostalCode.Text = " "
```

```
frmAccountManager.MdiParent = MDIParent1  
frmAccountManager.Dock = DockStyle.Fill  
frmAccountManager.Show()  
Me.Close()
```

End Sub

```
Private Sub bntDisplayAccountDetails_Click(sender As Object, e As EventArgs) Handles  
bntDisplayAccountDetails.Click
```

```
    If lstAccounts.SelectedItems.Count < 1 Then
```

```
        MsgBox("No user selected!")
```

```
    Else
```

```
        pnlEnterDetails.Visible = True
```

```
        pnlAccountNav.Visible = False
```

```
        bntBack.Visible = True
```

```
    End If
```

```
End Sub
```

```
Private Sub btnPannelNav_Click(sender As Object, e As EventArgs)
```

```
    pnlAccountNav.Visible = True
```

```
End Sub
```

```
Private Sub bntBack_Click(sender As Object, e As EventArgs) Handles bntBack.Click
```

```
    grpUpload.Visible = False
```

```
    pnlAccountNav.Visible = True
```

```
End Sub
```

```
Private Sub WebBrowser1_DocumentCompleted(sender As Object, e As  
WebBrowserDocumentCompletedEventArgs) Handles WebBrowser1.DocumentCompleted
```

```
txtSourceDir.Text = WebBrowser1.Url.AbsolutePath
```

```
End Sub
```

```
Private Sub WebBrowser2_DocumentCompleted(sender As Object, e As  
WebBrowserDocumentCompletedEventArgs) Handles WebBrowser2.DocumentCompleted
```

```
txtDesDir.Text = WebBrowser2.Url.AbsolutePath
```

```
End Sub
```

```
Private Sub btnUploadFiles_Click(sender As Object, e As EventArgs) Handles  
btnUploadFiles.Click
```

```
WebBrowser1.Navigate(My.Computer.FileSystem.SpecialDirectories.ProgramFiles &  
"\EASYPH~1.1VC\data\localweb\projects\parts\UserArea\" & txtFirstName.Text &  
txtLastName.Text)
```

```
WebBrowser2.Navigate(Environ$("USERPROFILE"))
```

```
If lstAccounts.SelectedItems.Count < 1 Then
```

```
MsgBox("No user selected!")
```

```
Else
```

```
grpUpload.Visible = True
```

```
pnlEnterDetails.Visible = False
```

```
pnlAccountNav.Visible = False
```

```
bntBack.Visible = True
```

```
End If
```

```
End Sub
```

```
Private Sub btnSourceBack_Click(sender As Object, e As EventArgs) Handles  
btnSourceBack.Click
```

```
WebBrowser1.GoBack()
```

```
End Sub
```



```
Private Sub btnDestinationBack_Click(sender As Object, e As EventArgs) Handles  
btnDestinationBack.Click
```

```
    WebBrowser2.GoBack()
```

```
End Sub
```

```
Private Sub btnPasswordReset_Click(sender As Object, e As EventArgs) Handles  
btnPasswordReset.Click
```

```
    SetupType = "<p>Your password has been reset</p>"
```

```
    username = txtEmail.Text
```

```
    ChangePin()
```

```
    SendDetails()
```

```
    MsgBox("Email : " & txtEmail.Text & vbCrLf & "Pin : " & pin & vbCrLf & "Details  
has been sent!")
```

```
End Sub
```

```
Private Sub txtPhoneNumber_LostFocus(sender As Object, e As EventArgs) Handles  
txtPhoneNumber.LostFocus
```

```
    If Not IsNumeric(txtPhoneNumber.Text) Or txtPhoneNumber.TextLength <> 11 Then
```

```
        MsgBox("Please enter valid phone number")
```

```
        txtPhoneNumber.Focus()
```

```
        txtPhoneNumber.SelectAll()
```

```
        txtPhoneNumber.BackColor = Color.Red
```

```
        txtPhoneNumber.ForeColor = Color.White
```

```
    ElseIf IsNumeric(txtPhoneNumber.Text) Or txtPhoneNumber.TextLength = 11 Then
```

```
        txtPhoneNumber.BackColor = Color.White
```

```
        txtPhoneNumber.ForeColor = Color.Black
```

```
    End If
```

```
End Sub
```

```
Private Sub txtEmail_LostFocus(sender As Object, e As EventArgs) Handles  
txtEmail.LostFocus
```

```
    If validateEmail(txtEmail.Text) = True Then
```

```
        Nigel Hopkins (30026387)
```

```
        [584]
```

```

txtEmail.BackColor = Color.White
txtEmail.ForeColor = Color.Black
Else
    MsgBox("Email is not Valid")
    txtEmail.Focus()
    txtEmail.SelectAll()
    txtEmail.BackColor = Color.Red
    txtEmail.ForeColor = Color.White
End If
End Sub

```

Private Sub txtBuildingNumber_LostFocus(sender As Object, e As EventArgs) Handles txtBuildingNumber.LostFocus

```

If Not IsNumeric(txtBuildingNumber.Text) Then
    MsgBox("Please enter a vaild building number")
    txtBuildingNumber.Focus()
    txtBuildingNumber.SelectAll()
    txtBuildingNumber.BackColor = Color.Red
    txtBuildingNumber.ForeColor = Color.White
ElseIf IsNumeric(txtBuildingNumber.Text) Then
    txtBuildingNumber.BackColor = Color.White
    txtBuildingNumber.ForeColor = Color.Black
End If

End Sub

```

Private Sub txtPostalCode_LostFocus(sender As Object, e As EventArgs) Handles txtPostalCode.LostFocus

```

txtPostalCode.Text = UCase(txtPostalCode.Text)
End Sub

```

```
Private Sub txtStreetName_LostFocus(sender As Object, e As EventArgs) Handles  
txtStreetName.LostFocus
```

```
    txtStreetName.Text = StrConv(txtStreetName.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
Private Sub txtCity_LostFocus(sender As Object, e As EventArgs) Handles  
txtCity.LostFocus
```

```
    txtCity.Text = StrConv(txtCity.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
Private Sub txtCounty_LostFocus(sender As Object, e As EventArgs) Handles  
txtCounty.LostFocus
```

```
    txtCounty.Text = StrConv(txtCounty.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
Private Sub txtCompanyName_LostFocus(sender As Object, e As EventArgs) Handles  
txtCompanyName.LostFocus
```

```
    txtCompanyName.Text = StrConv(txtCompanyName.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
Private Sub txtFirstName_LostFocus(sender As Object, e As EventArgs) Handles  
txtFirstName.LostFocus
```

```
    txtFirstName.Text = StrConv(txtFirstName.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
Private Sub txtLastName_LostFocus(sender As Object, e As EventArgs) Handles  
txtLastName.LostFocus
```

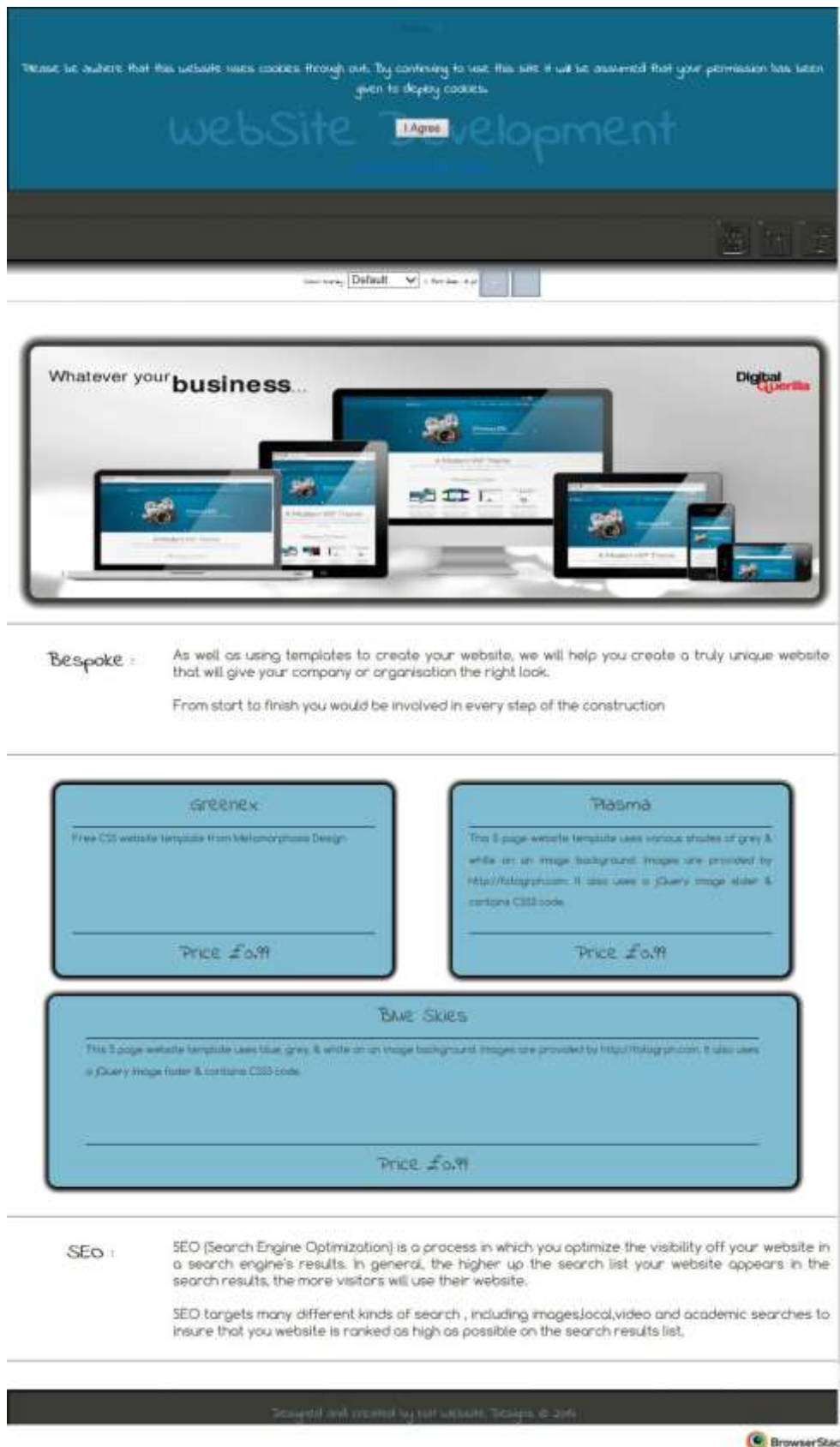
```
    txtLastName.Text = StrConv(txtLastName.Text, VbStrConv.ProperCase)
```

```
End Sub
```

```
End Class
```

Appendix J. Browser Compatibility Screen Shots

Windows 8.1 Internet Explorer 11



Windows 8.1 Opera 12.16



Windows 8.1 FireFox 31



Bespoke : As well as using templates to create your website, we will help you create a truly unique website that will give your company or organisation the right look.

From start to finish you would be involved in every step of the construction

| | |
|---|--|
| <p>Greenex</p> <p>Free CSS website template from Metamorphosis Design</p> <p>Price £0.99</p> | <p>Plasma</p> <p>This 5 page website template uses various shades of grey & white on an image background. Images are provided by http://istockphoto.com. It also uses a JQuery image slider & contains CSS3 code.</p> <p>Price £0.99</p> |
| <p>Blue Skies</p> <p>This 5 page website template uses blue, grey, & white on an image background. Images are provided by http://istockphoto.com. It also uses a JQuery image slider & contains CSS3 code.</p> <p>Price £0.99</p> | |

SEO : SEO (Search Engine Optimization) is a process in which you optimize the visibility of your website in a search engine's results. In general, the higher up the search list your website appears in the search results, the more visitors will use their website.

SEO targets many different kinds of search, including images, local, video and academic searches to insure that your website is ranked as high as possible on the search results list.

Windows 8.1 Google Chrome 40



iPhone 4s (6.0) (Portrait)



Bespoke :

As well as using templates to create your website, we will help you create a truly unique website that will give your company or organisation the right look.

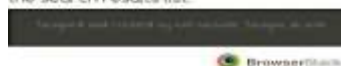
From start to finish you would be involved in every step of the construction.



SEO :

SEO (Search Engine Optimization) is a process in which you optimize the visibility of your website in a search engine's results. In general, the higher up the search list your website appears in the search results, the more visitors will use their website.

SEO targets many different kinds of search, including images, local, video and academic searches to ensure that your website is ranked as high as possible on the search results list.



Appendix K. Test Data

Logon.vb

| Test Data | Expected Result | Explanation |
|---|---|--|
| txtUserName

“username”
or
“ “
or
“wrong” | The program will check to see if correct username has been entered.

If field is left blank or username is enter incorrectly an error will be displayed | Once the program has checked to see if the correct username has been entered it will then check to see a valid password has also been entered, If the username and password have entered correctly then the program will proceed to the next else it will clear the username and password fields and prompt for these to be entered again. |
| txtPassword

“Password”
or
“ “
or
“Wrong” | The program will check to see if a vaild password has been entered

If field is left blank or password is enter incorrectly an error will be displayed | Once the program has checked to see if the correct username has been entered it will then check to see a valid password has also been entered, If the username and password have entered correctly then the program will proceed to the next else it will clear the username and password fields and prompt for these to be entered again. |
| chkPassword

checked

or

unchecked | If checked text in txtPassword will be shown

If Unchecked text in txtPassword will be masked. | This is to give the user the option to see what is being entered in the txtPassword field this field is set to mask and text entered into by default by checking or unchecking the chkPassword field the text can be masked or unmasked. |

MainMenu.vb

| Test Data | Expected Result | Explanation |
|--------------------------|---------------------------------------|---|
| btnStockManager | Opens Stock Managers Form | This button is to help users navigate to the correct part of the program. |
| btnAccountManager | Opens Accout Manager Form | This button is to help users navigate to the correct part of the program. |
| btnLogout | Returns the program to the Logon Form | This button allows the user to reenter the password and username on the logon screen. |

StockManager.vb

| Test Data | Expected Result | Explanation |
|------------------|--|---|
| btnAdd | Displays form to allow user to enter a new record into the sql database | This button sets the visibility value to all the fields needed to add a new item into the sql database to true and hides the Add,Edit and Delete buttons. |
| btnEdit | Displays the selected items from the listbox an shows details in the form. | This button displays a form and a list box from which the user can select an item form the listbox to display its details on the form and change its details. |
| btnDelete | Allows the use to select from the listbox which item to delete from the system | This button will display a list box and form, the listbox will be populated with items stored in the SQL database and once the user selects one of these items they can then click the Delete Item button to delete it from the database. |

| | | |
|---|--|--|
| lstStockList | Selected item will display information stored in SQL database into the form above the listbox. | This allows the use to select which item they wish to edit or delete and display it's information stored in the SQL database in the form above the listbox. |
| txtProductCode
"PN9999" | Allows an id number to be entered or displayed | <p>This box will assign the value entered into it as the products id in the sql database.</p> <p>It will also display the product id form the sql database if item is selected from the listbox in the edit or delete modes.</p> |
| txtTitle
"Test" | Allows an Title to be entered or displayed | <p>This box will assign the value entered into it as the products title in the sql database.</p> <p>It will also display the product title form the sql database if item is selected from the listbox in the edit or delete modes.</p> |
| txtPrice
"99.99" | Allows a Price to be entered or displayed | <p>This box will assign the value entered into it as the products price in the sql database.</p> <p>It will also display the product price form the sql database if item is selected from the listbox in the edit or delete modes.</p> |
| txtDescription
"This is a test" | Allows a description for the item to be entered or displayed | <p>This box will allow the user to store a description of the item in the sql database</p> <p>It will also display the product description form the sql database if item is selected from the listbox in the edit or delete modes.</p> |

| | | |
|--------------------------------|---|--|
| bntPicture
“img.jpg” | Allows a picture to be add for the item. | <p>This button will allow the user to select any picture from their computer and store it location in a verible called FileName and then once saved the picture is copied to the websites directory and that value is saved to the SQL database.</p> <p>This also displays the relavent picture about the product based on the file location stored in the SQL database.</p> |
| btnRemove | Deletes item from SQL Database. | This button will allow the user to delete the item selected from the listbox. |
| btnSave | Save data entered into from to SQL Database | This button allows them to save any new or modified data entered into the form. |
| btnSockManager | Hides listbox and form displays Add,Edit or Delete buttons. | This button will change the visibility value of the listbox and groupbox to hidden to allow the user to select which function they wish to perfom. |
| btnMainMenu | Unloads Stock Manager form and Loads MainMenu form/ | This button will allow the user to return to the main menu of the program. |

AccountManager.vb

| Test Data | Expected Result | Explanation |
|-------------------------|------------------------------|--|
| btnNewAccount | Opens NewAccountManager form | This button will load the NewAccountManager form and display a form to allow the user to register a new customer in to the members database. |
| btnDelAccount | Opens NewAccountManager form | This button will load the NewAccountManger form and will display a form and listbox from which the user can select a user to display their account details and then delete them. |
| btnAccountLookup | Opens NewAccountManager form | This button will lookup a users account detail from a selected user from a list box in the NewAccountManager form it will then give other options to enable the to manage the account. |

NewAccountManager.vb

| Test Data | Expected Result | Explanation |
|----------------------|------------------------------|--|
| btnNewAccount | Opens NewAccountManager form | This button will load the NewAccountManager form and display a form to allow the user to register a new customer in to the members database. |
| btnDelAccount | Opens NewAccountManager form | This button will load the NewAccountManger form and will display a form and listbox from which the user can select a user to display their account details and then delete them. |

| | | |
|--|---|--|
| btnAccountLookup | Opens NewAccountManager form | This button will lookup a users account detail from a selected user from a list box in the NewAccountManager form it will then give other options to enable the to manage the account. |
| lstAccounts | Select customers account from database. | This listbox will be populated from the FristNames and LastNames from the customers stroed in the members area. |
| bntDisplayAccountDetails | Displays a form with selected account users details. | This button will display the account details of the selected user form the lstAccounts listbox.

If no user is selected at the time the button is pressed an error message will be displayed |
| btnUploadFiles | Sets the groupbox grpUpload visibility value to visible | This will display a groupbox that will allow the user to upload files to customers personal folders on the webserver. |
| btnPasswordReset | Sends email to customer | This button will give a randomly generated number to the field called pin in the database. It will then send this number to the customers email address which will be obtained by what is stored in the members databse. |
| txtCompanyName
"Amber Janes" | Enter the new company name | This will allow the user to enter a new company name. |
| txtFirstName
"Amy" | Enter new customer first name | This will allow the user to enter a the new customer first name. |
| txtLastName
"Hopkins" | Enter new customer last name | This will allow the user to enter the new customers last name. |

| | | |
|--|---|---|
| txtPhoneNumber
“12345678912” | Enter new customer phone number | This will allow the user to enter the new customers telephone number. |
| txtEmail
“amyandnigel@hotmail.co.uk” | Enter new customer email address | This will allow the user to enter the new customers email address |
| txtBuildingNumber
“95” | Enter new customers building number | This will allow the user to enter the building number for the new customers address. |
| txtStreetName
“Bampfylde Way” | Enter new customers street name | This will allow the user to enter the street name for the new customers address. |
| txtCity
“Plymouth” | Enter new customer city | This will allow the user to enter the city for the new customer address. |
| txtCounty
“Devon” | Enter new customer county | This will allow the user to enter the county for the new customers address. |
| txtPostalCode
“PL66SS” | Enter new postal code | This will allow the user to enter the new customer postal code |
| WebBrowser1 | Displays all files in users personal folder | This will display all the files stored in the customers personal folder on the webserver,

It will also allow the user to drop files from WebBrowser2 to be upload to the customer personal folder. |
| WebBrowser2 | Display all files on the computer | This will allow the user to navigate to where on the computer files are being stored that will need to be uploaded to the customers personal folder on the webserver. |

| | | |
|--------------------------|------------------------------------|--|
| bntBack | Displays the pnlAccountNav panel | This button will hide which ever section of this form is visible and only show the pnlAccountNav panel and lstAccounts list box. |
| btnDeleteAccount | Deletes account | This button will delete any account from the members database that has been selected from the lstAccounts list box. |
| btnSave | Save new or edited account details | This button will save any new or modified account details to the members database |
| btnAccountManager | Return to AccountManager form | This button will return the user to the AccountManager form and unload the NewAccountManager form. |
| btnMainMenu | Return to MainMenu form | This button will return the user to the MainMenu form and unload the NewAccountManager form. |

Appendix L. Screen Shoots of Test Data

Logon.vb



Fig 4.6.2.1 Showing logon screen with masked password



Fig 4.6.2.2 Showing logon screen with unmasked password

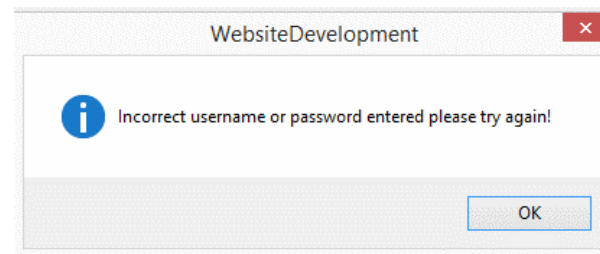


Fig 4.6.2.3 Showing error message after invalid data entered

MainMenu.vb

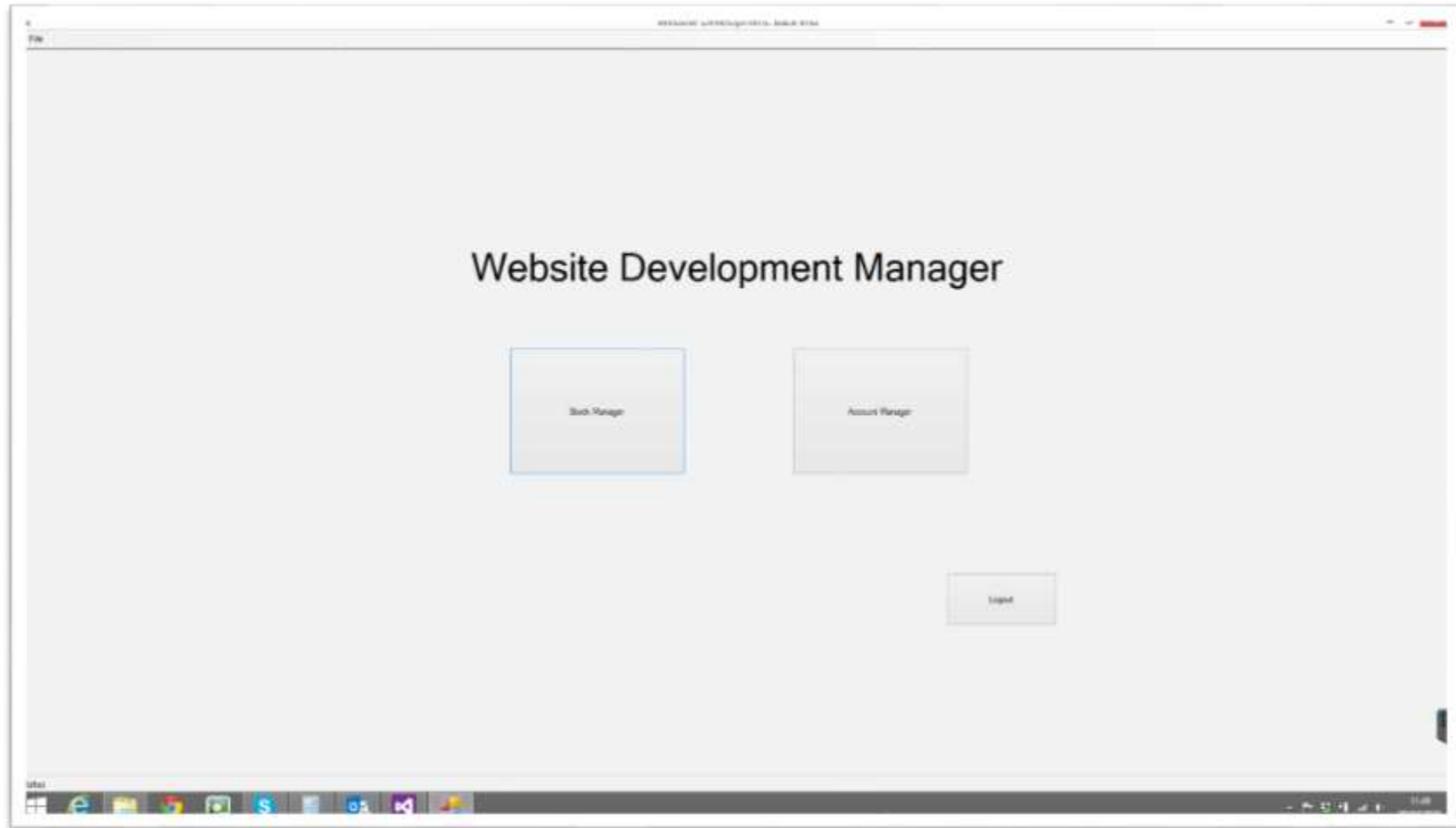


Fig 4.6.2.4 Showing navigation buttons for the program

StockManagerment.vb

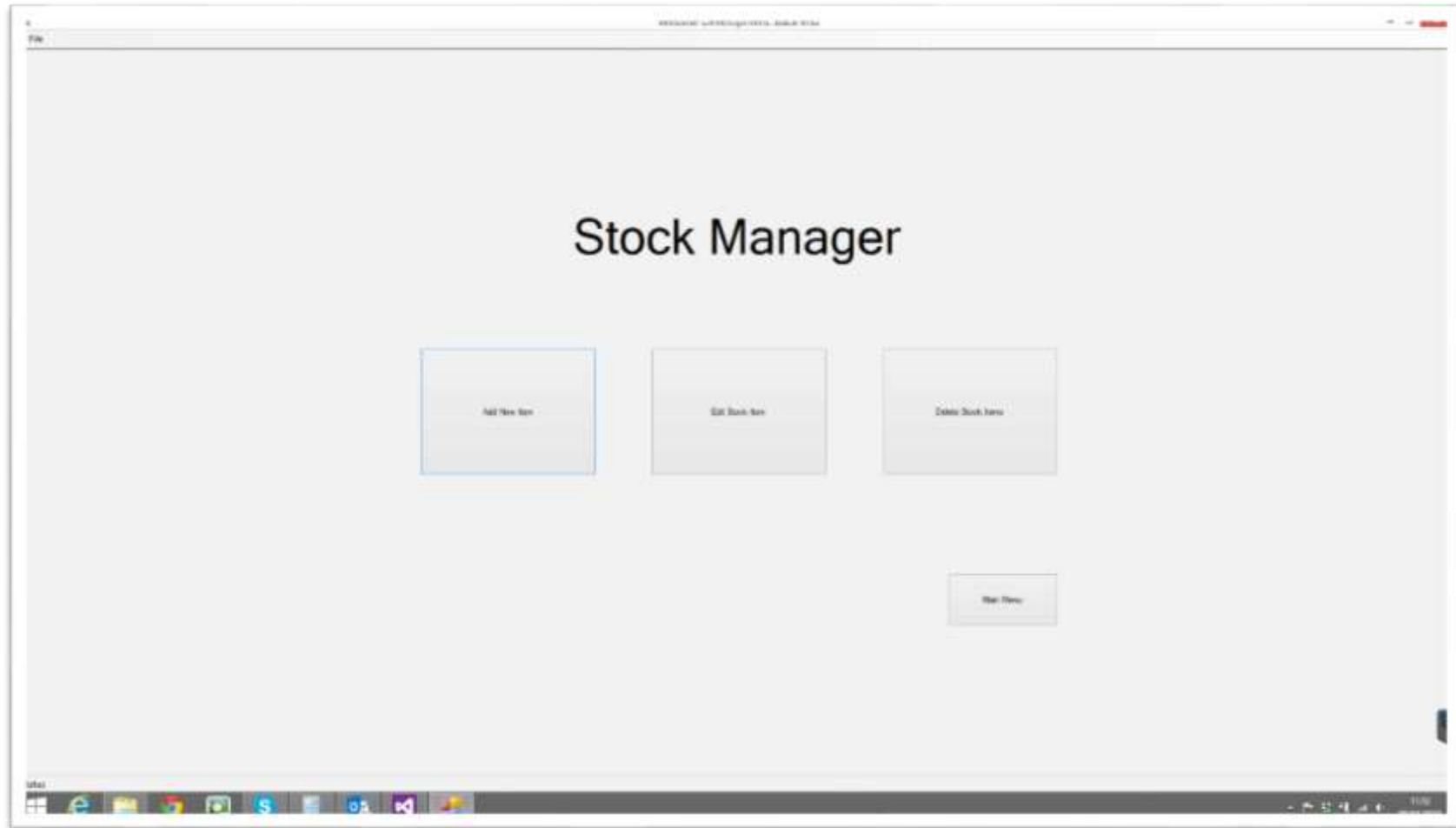


Fig 4.6.2.5 Showing navigation buttons for the Stock Managment

Stock Manager

Add New Item

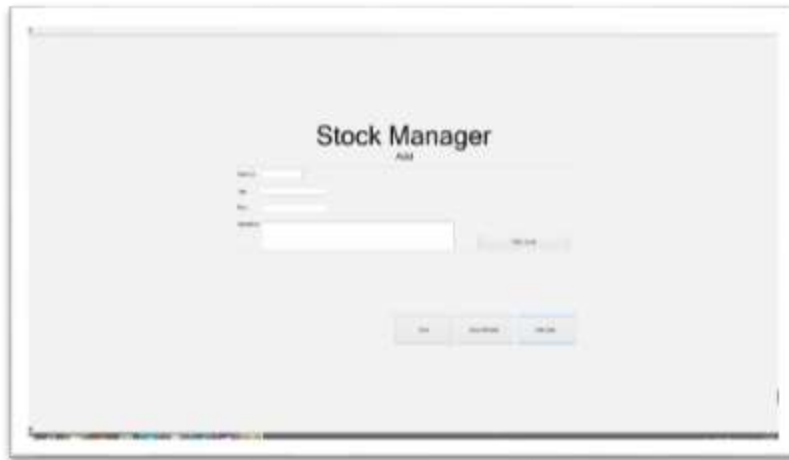


Fig 4.6.2.6 Showing add new item form

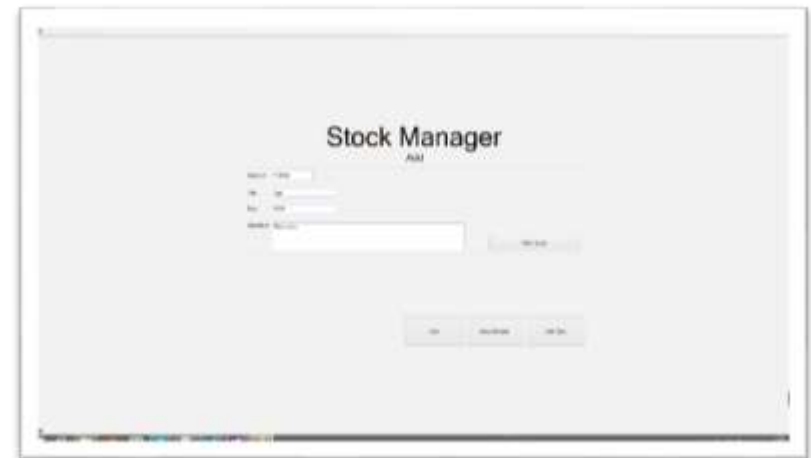


Fig 4.6.2.7 Showing add new item test data entered

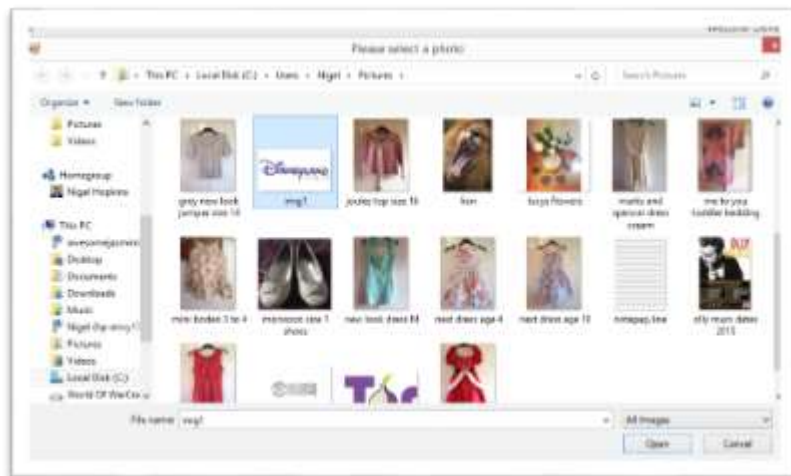


Fig 4.6.2.8 Showing image selected

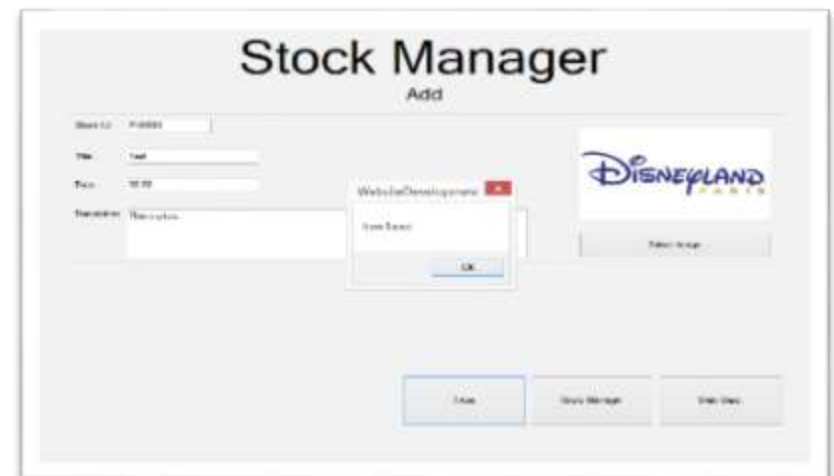


Fig 4.6.2.9 Showing message box saying item was saved to database

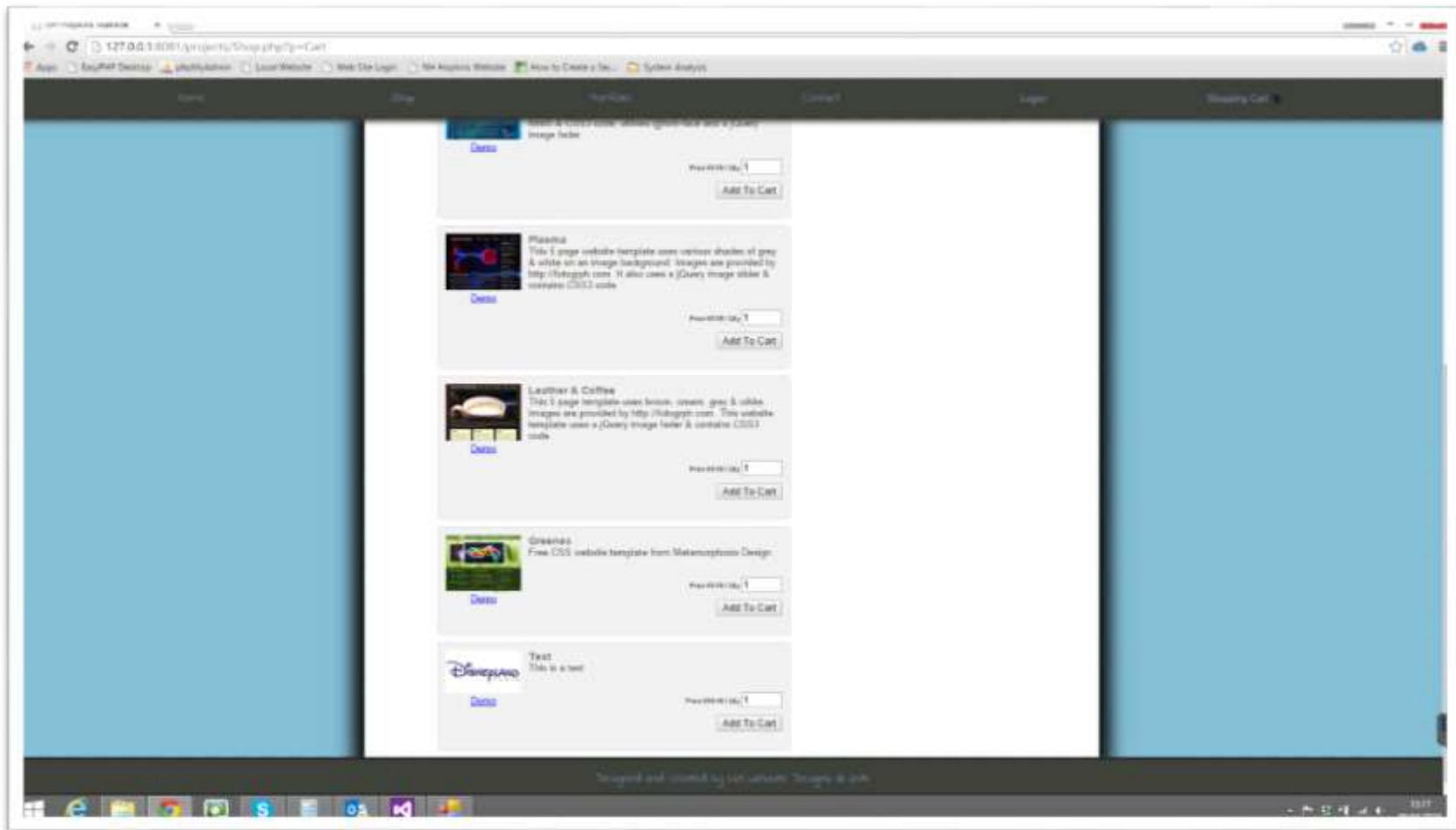


Fig 4.6.2.10 Showing website with newly added item

Edit Stock Item

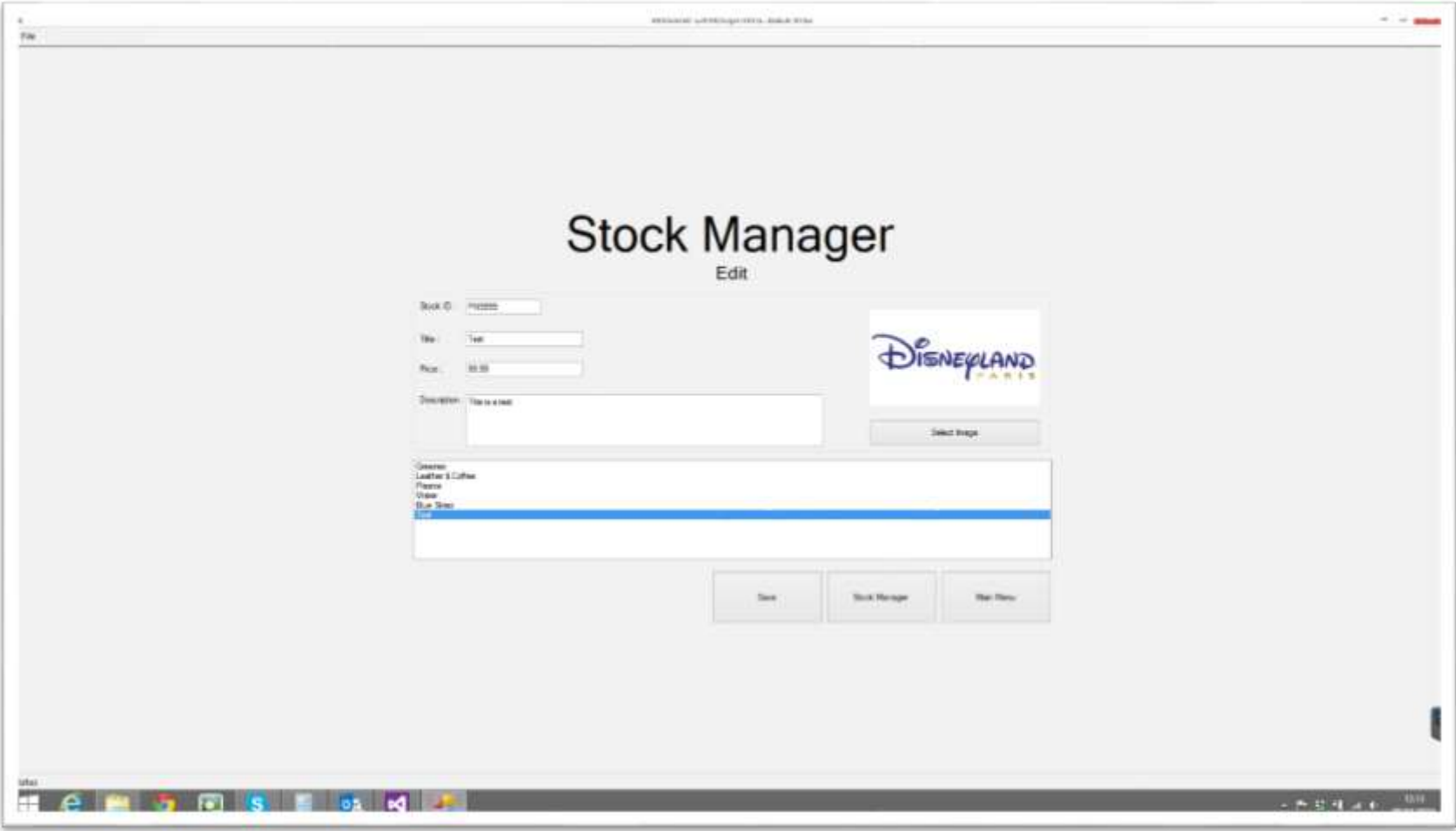


Fig 4.6.2.11 Showing selected item from database

Delete Stock Item

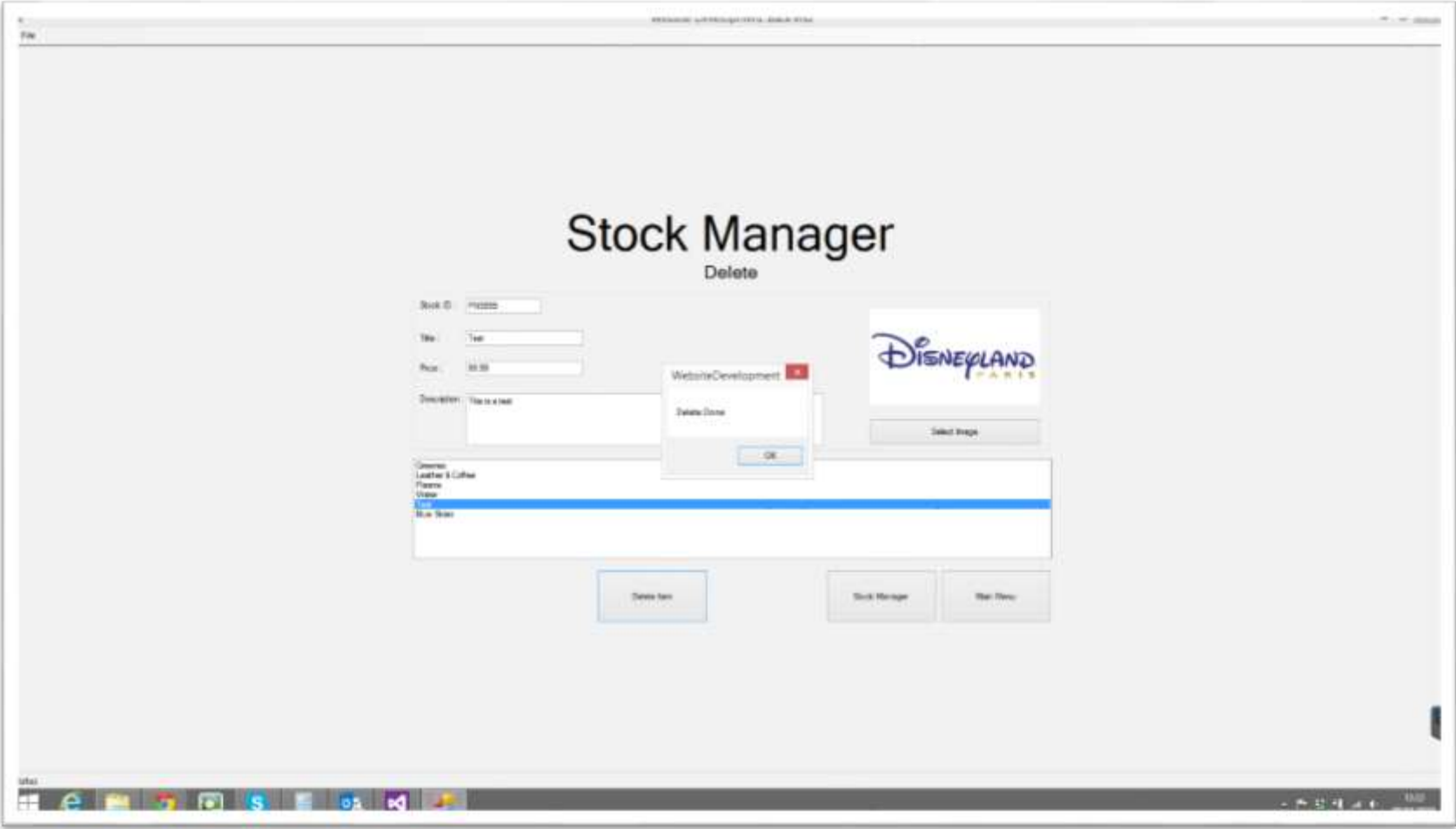


Fig 4.6.2.12 Showing selected item from database

AccountManager.vb

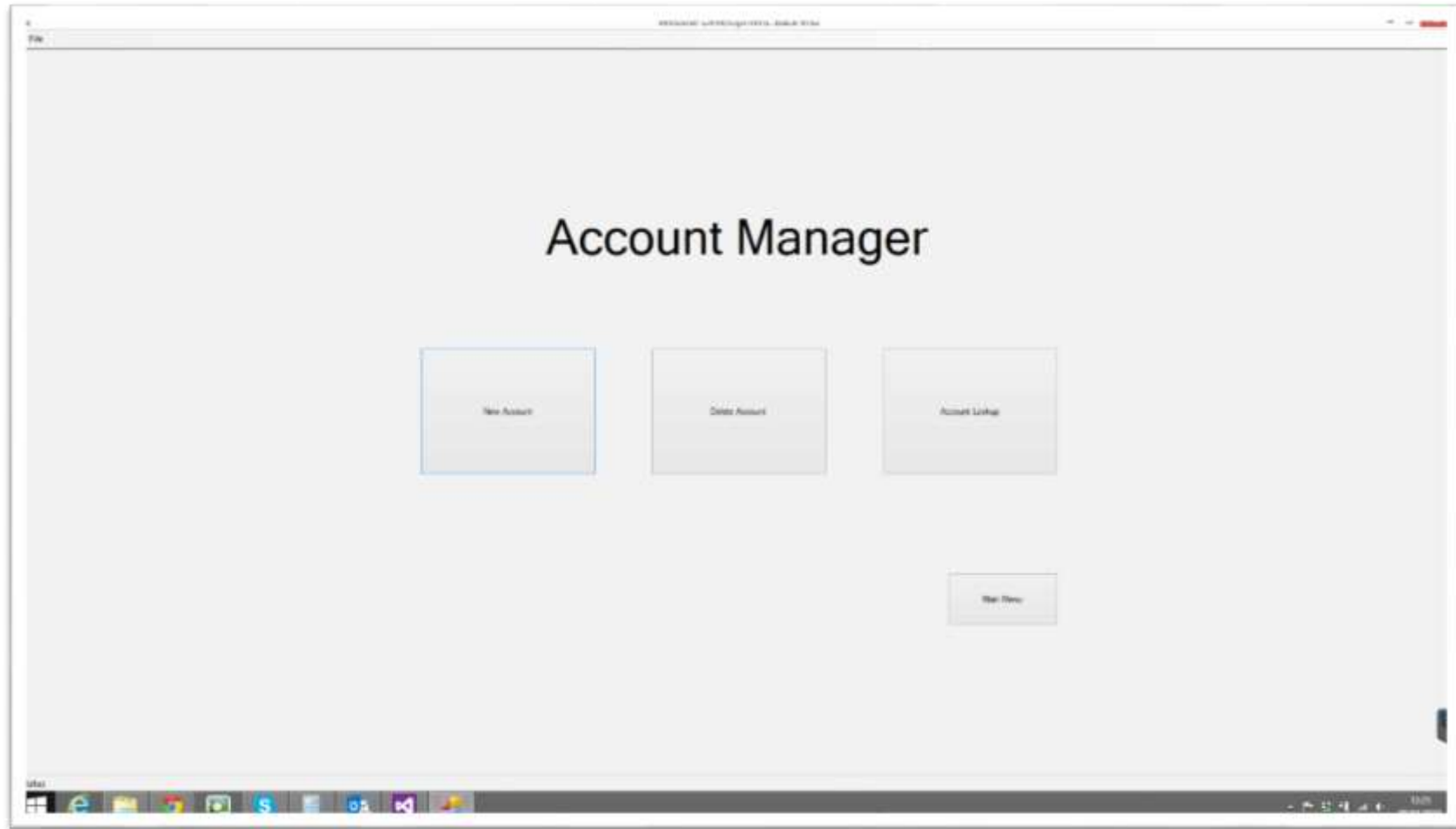


Fig 4.6.2.13 Showing Account Manager navigation.

New Account

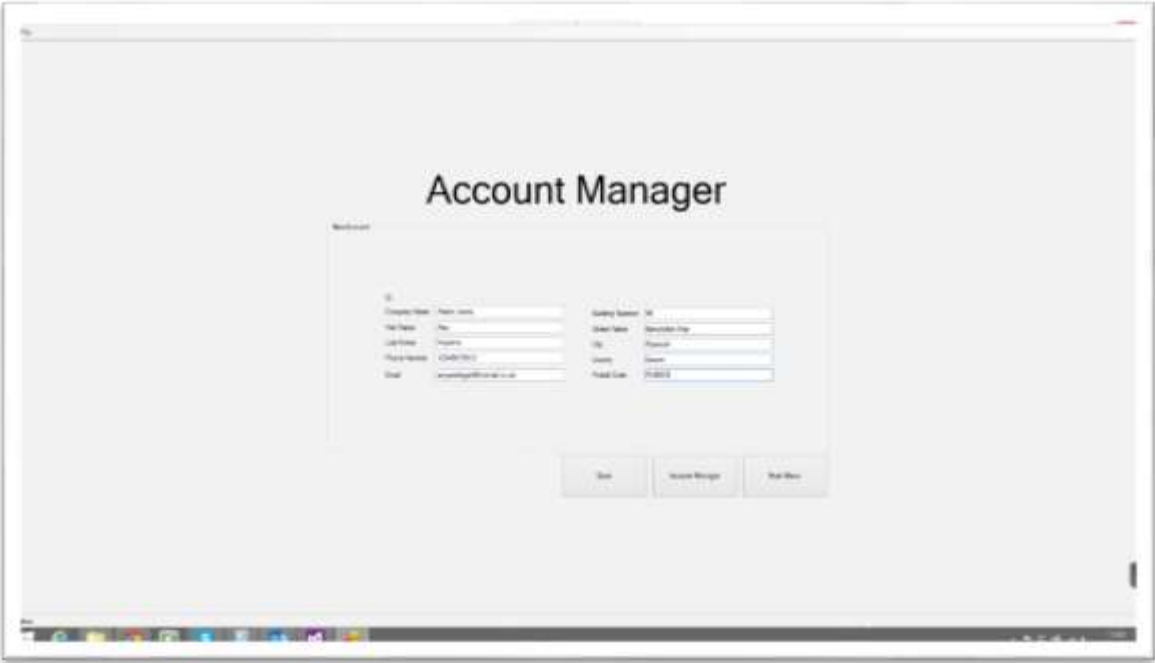


Fig 4.6.2.14 Account Manager Showing details for new customer

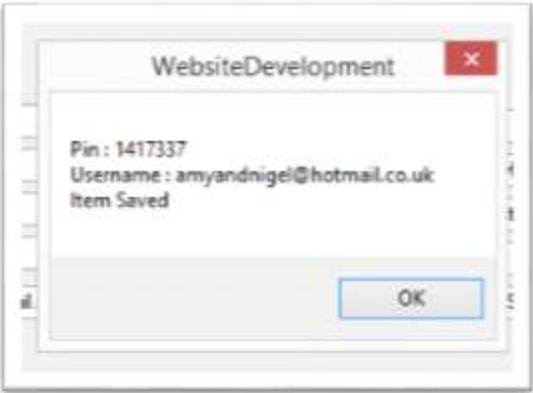


Fig 4.6.2.15 Showing new details have been saved.

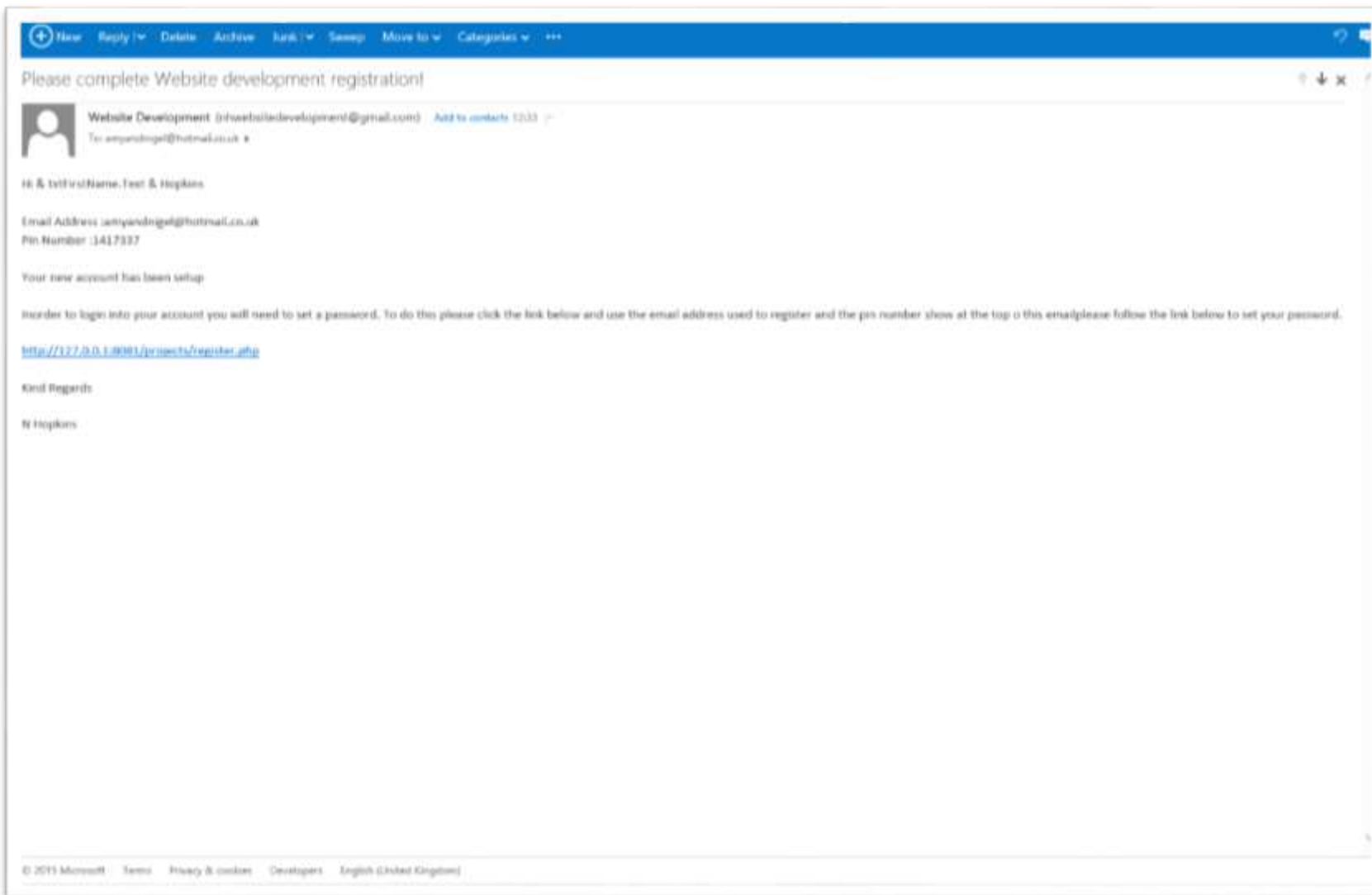


Fig 4.6.2.16 Showing email received from application

Nigel Hopkins (30026387)
[609]

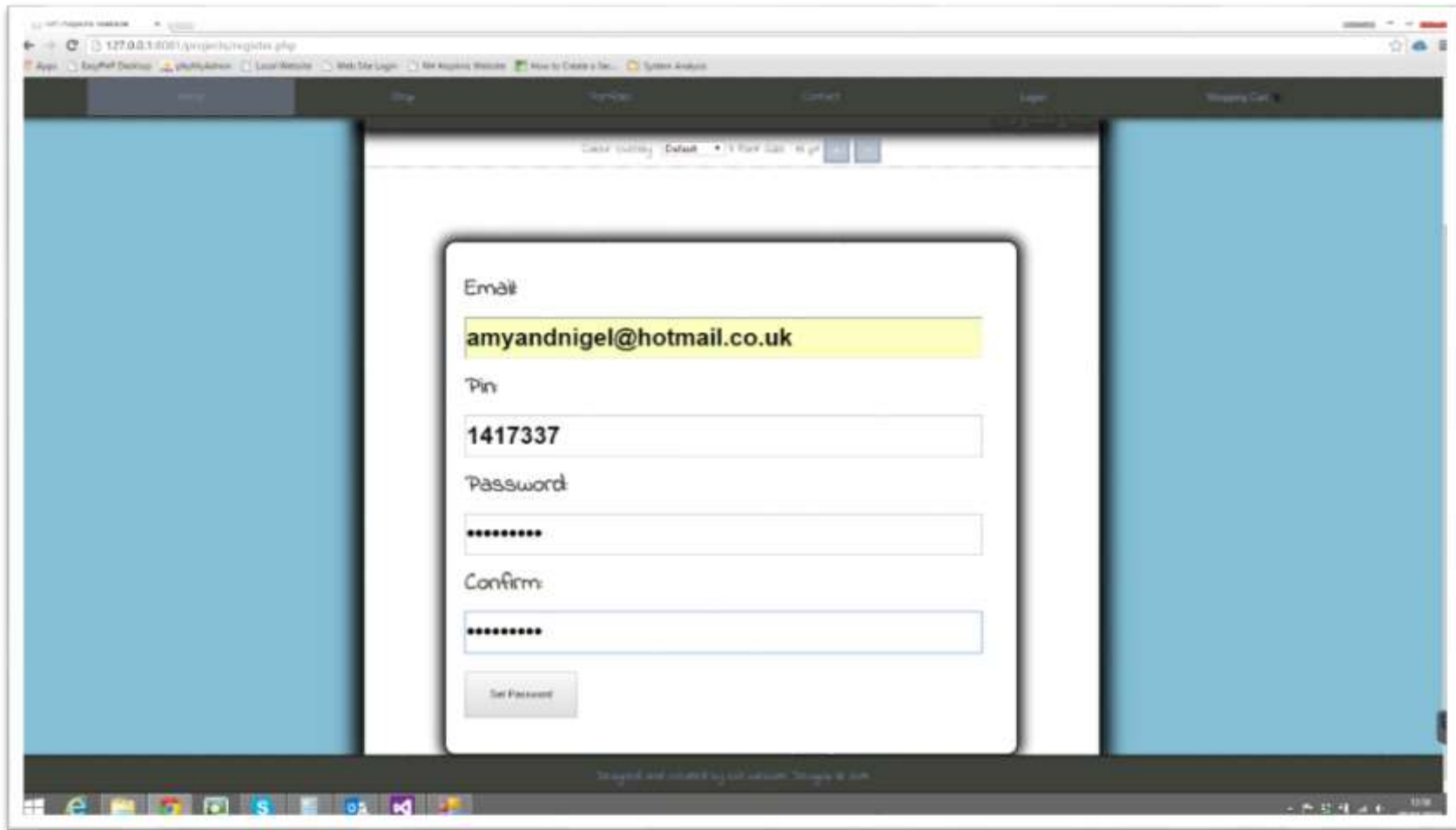


Fig 4.6.2.17 Website showing new password being set using randomly generated pin



Fig 4.6.2.18 Website showing successful login to newly created customer account

Appendix M. Full Huristic Evaluation

Visibility of System Status

Using the design I came up with during the early part of this project will help to keep users informed as to what exactly is going on each page of the website and all information is keep relevant for the purpose of each page.

The application is design to allow people to use the application with little training or education I wanted to keep the way it flows through each section as simple as possible. Because I have limited the amount of options available to the user there is not a great need to use text to keep users informed on what to do and how to get there.

Match between system and the real world

To match how this system work in comparison to a real world system I have tried to use the way a shop lays out its shop to the way I have laid out the website. The index page is like the shops window it is use as a platform to inform customers what is being offered on the website.

I have also tried to keep the kind of language used to something that could be easily understood by all without giving the impression that I am trying to dumb down any of the information on the website.

I have also kept the location off key items on the website to places where people would find these things on other websites e.g. the footer has been locked to the bottom of the screen which does not move with the rest of the website. The navigation bar is done in the same as the footer where it has been statically placed at the top of the screen so that anyone using the website will all way be able to find it quickly.

The application is keep to a real world system are it employees a simple push button way of navigating through it each button gives the use the option to do one thing or another a bit like selecting a choice on telephone menu system.

User Control and Freedom

On the website the user has the freedom to move around the website quickly and easily as the navigation is key to the website I have kept the look and position of this the same on every page including the member's area and registration page. In keeping the navigation bar in the same place it will allow customers to pick out hyperlinks quickly.

Whilst the user of the application is free to move around the applications freely as the website with the use of the toolbar navigation it is not be made to stand out and the natural movement through the program is by using the buttons with in the application to get from one section to another.

Consistency and Standards

Consistency with this website vital to the way I wanted the design to look and was achieved by creating the index page and its style sheet first, from there I was able to copy and paste the code from the index page into other pages and just include the individual parts where they were required

The application layout for both the Account Manager and Shop Manager sections a relatively the same with the exception to some of the more final options with in the account manager function this is because I wanted to make deleting or editing information regarding customers' accounts harder to do as hopefully this will prevent against accidental loss of information.

Error Prevention

To help prevent errors I have use validation rules on some of the more sensitive parts of the website in particular with the registration page. The registration page contains a field where it expects to have a pin entered however if the field is left empty then an error is produced to prevent the use going any further.

As for bugs that are contained within the website where I cannot be 100% certain that there are none or nothing will ever cause either the website or application to fail I have will try to limit the possibility of this happening by regularly maintaining them both.

Recognition rather than recall

The visibilt of objects to which the user interacts with the website have been made to stand out using these objects as a kind of focal point for the pages they are on. This is will help users recognise where they will be expected to enter data into the website.

Common elements like the navigation bar and footer have been kept in a position that is typical of most websites and again this is so that the user can quickly recognise it.

Felxibility and efficiency of use

With users being able to pick out key information quickly this website is universal for all users and even employs the use off accessibilites functions. This will enable people with eyesite problems to change the size of the font and even to change the background colour behind the text help people choose a background colour that makes it easier for them to read the web pages content.

Aesthetic and minimalist design

There has been a cleare emphasys on trying to keep this website aestheticly pleasing with the use of colours and borders to keep the main body to the website in the middle of the screen. This also helps keep the design of the website the same no matter which device they are using.

One noticeable difference between the desktop/ laptop computer version of the website to the version that can be seen on a tablet or mobile phone is the navigation bar where as on the larger screens it can be seen to stretch right across the screen, on a tablet or mobile phone it

will be seen as a drop down menu from which the user can access from pressing the “menu” button which is located at the top of the page.

Help users recognize, diagnose, and recover from errors

The only use for error messages on this website was for the members login area when the customer enters the wrong user name and password. If this is done then the website will reload the logon page with a bit of text saying “Error logging in!”.