Limerick Institute of Technology

Web Development
8 Page Website

Hdip Software Development

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Table of Content

Introduction page 3

Key Deliverables Required

Network Connection, System Specifications, and Browsers

Tools/Packages

Research and Comparisons page 5

Site Evaluation 1: Irish Antique Dealers Association

Site Evaluation 2: My Antiques

Other Antique Websites Evaluated

Conclusions/Findings

Design and Development page 20

Design Intent

Conceptual/Layout Proposal

12 Grid Layout

Responsive Design

Aesthetics

Fonts/Logo

Pages page 33

Home Page

Catalogue

Antique Advice

Dealers

Events/Shows

About Us/Contact

Styling Sheet

Checkout

Responsive Features and Layout

Technical Features page 49

Cookies

Contact Form (Validation/Local Storage)

Lightbox

Top of Page

Checkout

The Background page 55

The Folders

The Code

The File Tree

Broken Links

Validation and Sources page 62

Validation

Sourcing/Licencing

Publications page 70

Requirements Implemented page 71

Conclusion page 73

Meeting the Brief

Responsivity

Aesthetics/Content

The Code

Colour Blindness Results

The Future

List of Figures page 75

XML Site Map page 78

Introduction

The brief specifies the design and implementation of an 8-page (minimum) website to promote a mail order antiques business. Functioning interactive features were also to be implemented using JavaScript. It was **not** required to implement 'check-out' functionality, however the location of the control, and the process should be indicated on the website design. Research into other competing antiques website was to be done and comparisons and findings were to be documented. Being as this will be a mail order website, items will need to be small. (i.e.: lamps, books, stationary etc)

Key Deliverables Required

- Wire-frame Design of Grid system
- Wire-frame Design for all pages
- Eight Page Website (minimum), styled with external CSS file(s)
- W3C Validated HTML and CSS
- Interaction Capability (JavaScript)

Network Connection, System Specifications, and Browsers

The following are the **network stats** used to design this website:

- Network band: 2.4 GHz
- Manufacturer: Broadcom (Wireless)

The following are the **computer system specification** used to design this website:

- Processor: Intel 1.60GHz
- RAM: 4GB
- System Type: Windows 10, 64bit Operating System

The following **browsers** were used to test the functionality and design of the website:

- Google Chrome (Blink engine) Version 60.0
- Microsoft Edge (Trident Engine) Version 40.0
- Mozilla Firefox (Geko engine) Version 55.0
- Opera (Blink layout engine) Version 47.0

Tools/Packages

Tools, Applications, and Links used to design the website:

- Pencil Project (Application)
- Sublime Text (Application)
- W3C HTML and CSS Validator (https://validator.w3.org/)
- Spectrum (Google Extension)
- ATOMSEO Broken Link Checker (Google Extension)
- Coolors.co (Colour Testing Website)
- Microsoft Paint (Application)
- Color.adobe.com (Colour Testing Website)
- Bootstrap (Version 3.7.7 Package)
- Lightbox - http://lokeshdhakar.com/ (Package)
- jQuery (Package)
- Data Tables Table plug-in for jQuery - https://datatables.net/ (Package)
- Convert2mp3.net (Audio and Video downloader)
- Inkscape (Application)
- Insites Cookie Consent (https://cookieconsent.insites.com)

Research and Comparisons

Before designing a website, research must first be done. For the purposes of this assignment 6 antique websites were briefly evaluated in terms of aesthetics, functionality, features and use ability/ease of use. Conclusions will then be made, and preferred aspects will be carried on to the design stage which will be either used or improved upon. The 2 websites that will evaluated within this report however are as follows. The first being the more positive example of how to design and the second as an example of what not to do.

1. Irish Antique Dealers Association (http://www.iada.ie/)
2. My Antiques (http://www.myantiques.ie/)

Other websites that were researched are:

3. Selling Antiques (http://www.sellingantiques.co.uk/)
4. The British Antique Dealers Association (http://www.bada.org/)
5. Decorative Collective (https://www.decorativecollective.com/)
6. The Internet Antique Shop (http://www.tias.com/)

Site Evaluation 1: Irish Antique Dealers Association (http://www.iada.ie/)

First Impression (Keywords): “Clean”, “Professional”, “White”, “Bad Header”.

Look and Feel

- The website is lacking in colour however the graphics do provide splashes of needed colour and the white background does aid in highlighting the items. Everything is well gridded with a lot of interaction. (Figure 1 and 2)
- The Logo is the greatest failing of the website. Its poorly place, visually unappealing and the colours are poorly chosen.
- Responsive design is present on this website with no leaked content.

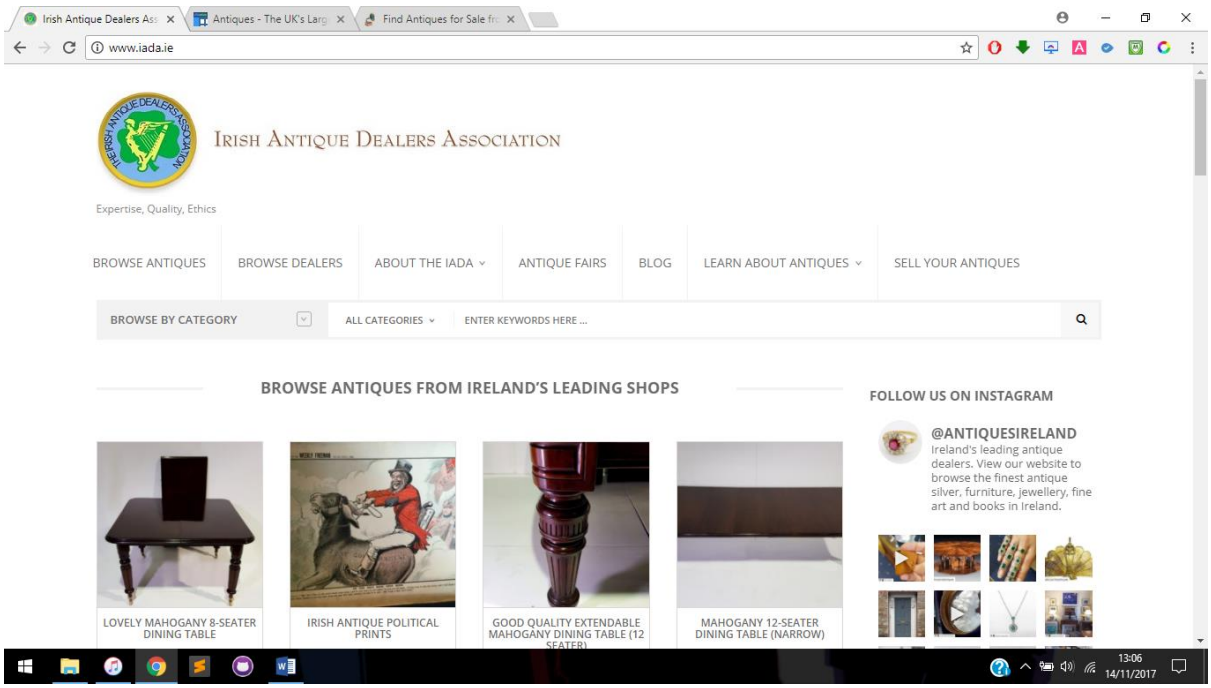


Figure 1: First Impression Irish Antique Dealers Association

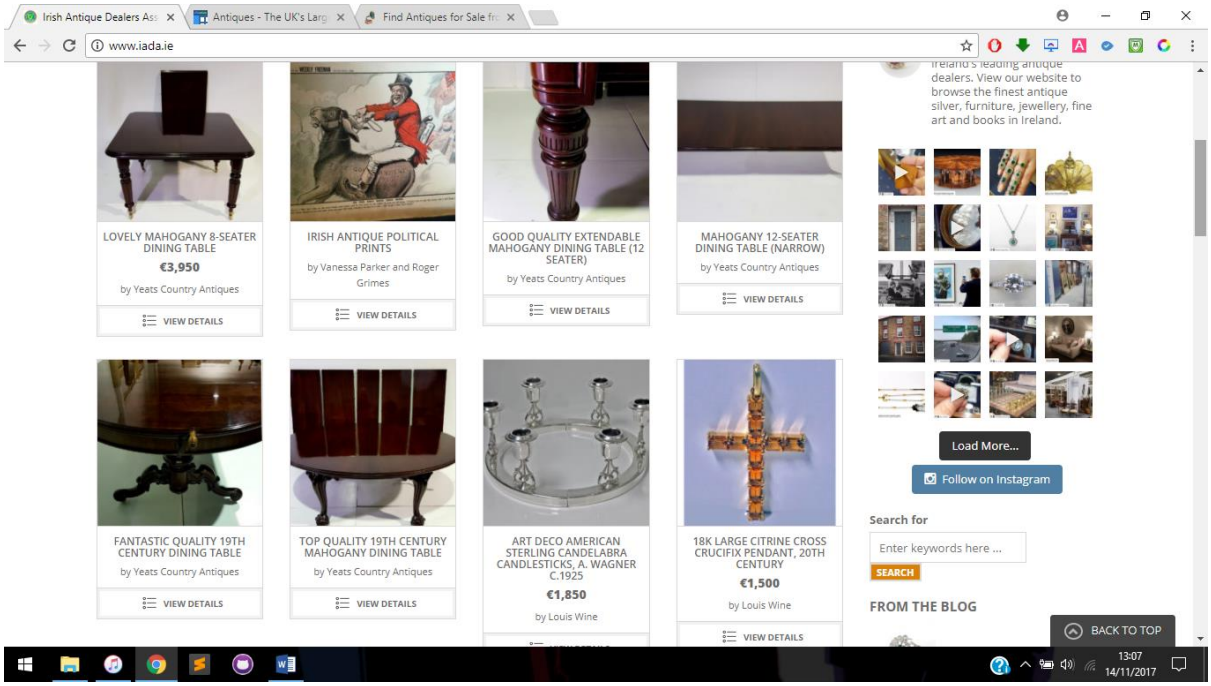


Figure 2: First Impression Irish Antique Dealers Association

Navigation

Navigation focuses on the following links:

- Browse Antiques
- Browse Dealers
- About
- Advertising Events
- Blog
- Learning about Antiques and the various categories
- Selling Antiques
- Site Map in the Footer

All links are easily accessed and clear although content can be a bit repetitive and cluttered in places.

Within the “Dealers” pages there is a comprehensive tabled list of the various dealers associated with the website. It is clear, descriptive and everything a user will need is there. (Figure 3)

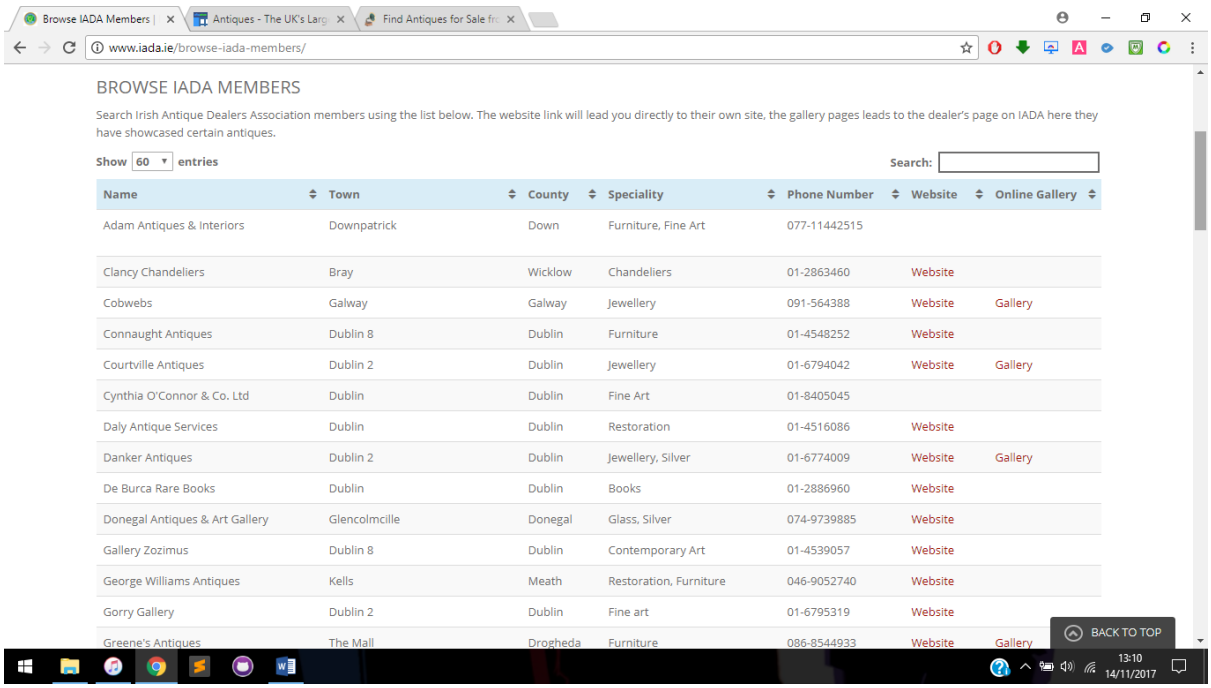


Figure 3: Dealers List Irish Antique Dealers Association

The Footer is far too large and poorly laid out. It does appear to have the right idea with social media links, site map, copyright etc. but there is a much better way to present this while maintaining its function. This will be something that will be implemented but improved upon in the assignment.

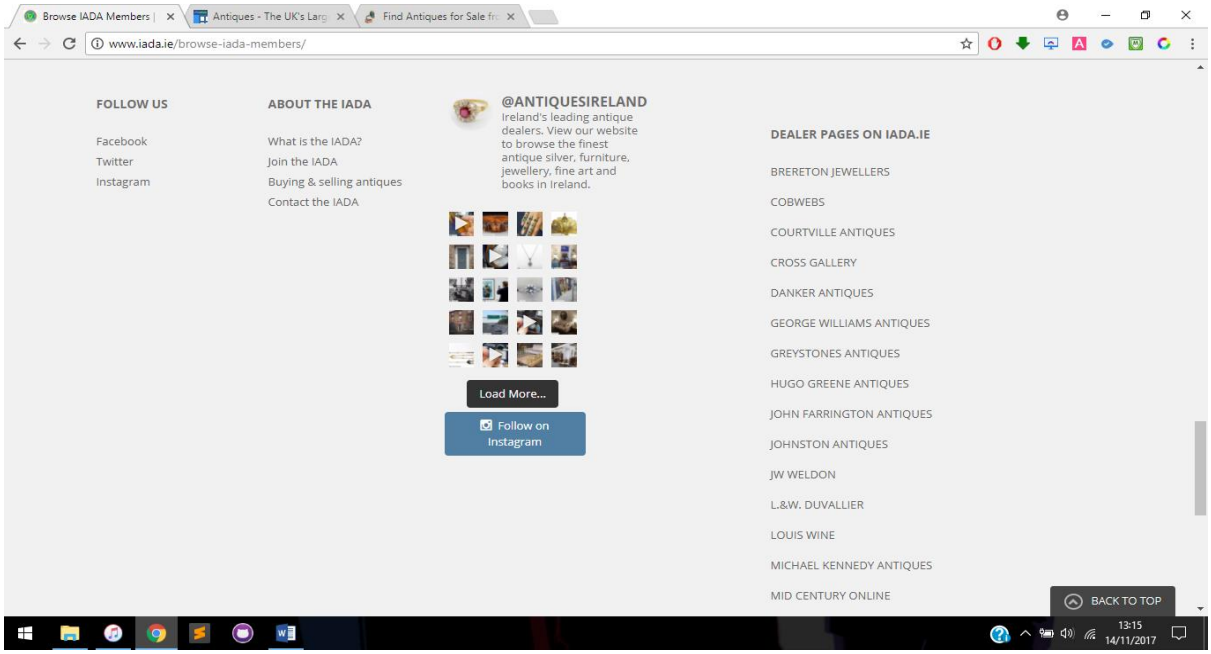


Figure 4: Footer Irish Antique Dealers Association

The Product page is well laid out, clear and informative (Figure 5). Further information on individual items can be found by clicking on the View Details link below each item graphic. (Figure 6)

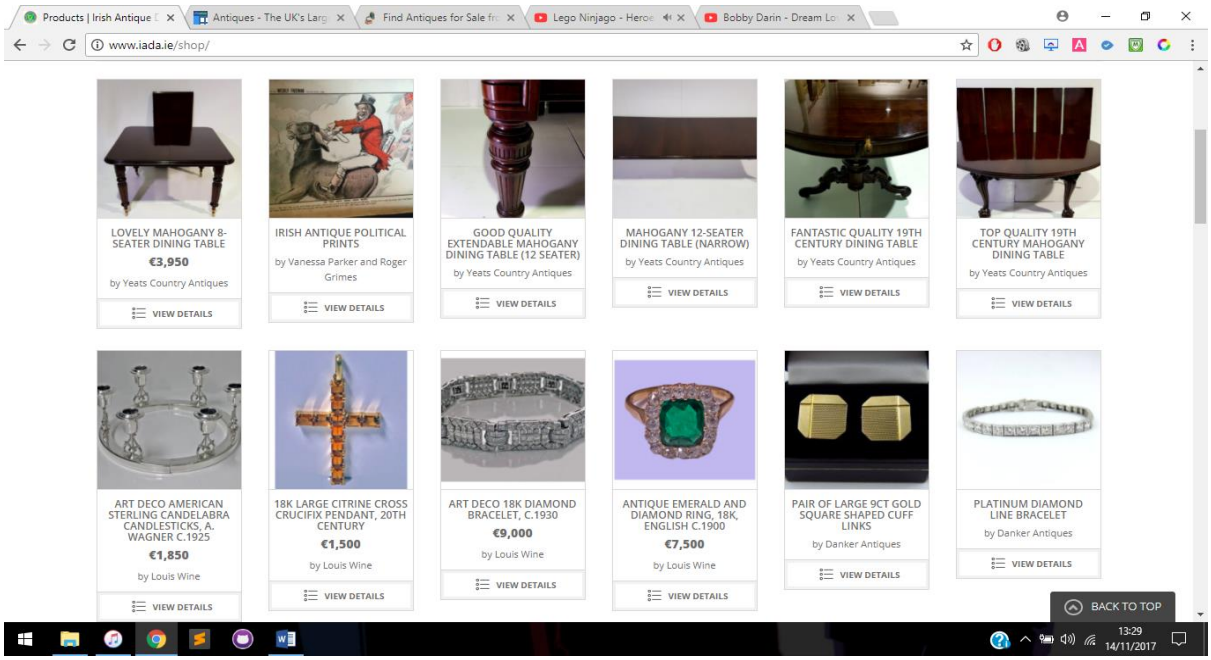


Figure 5: Products Irish Antique Dealers Association

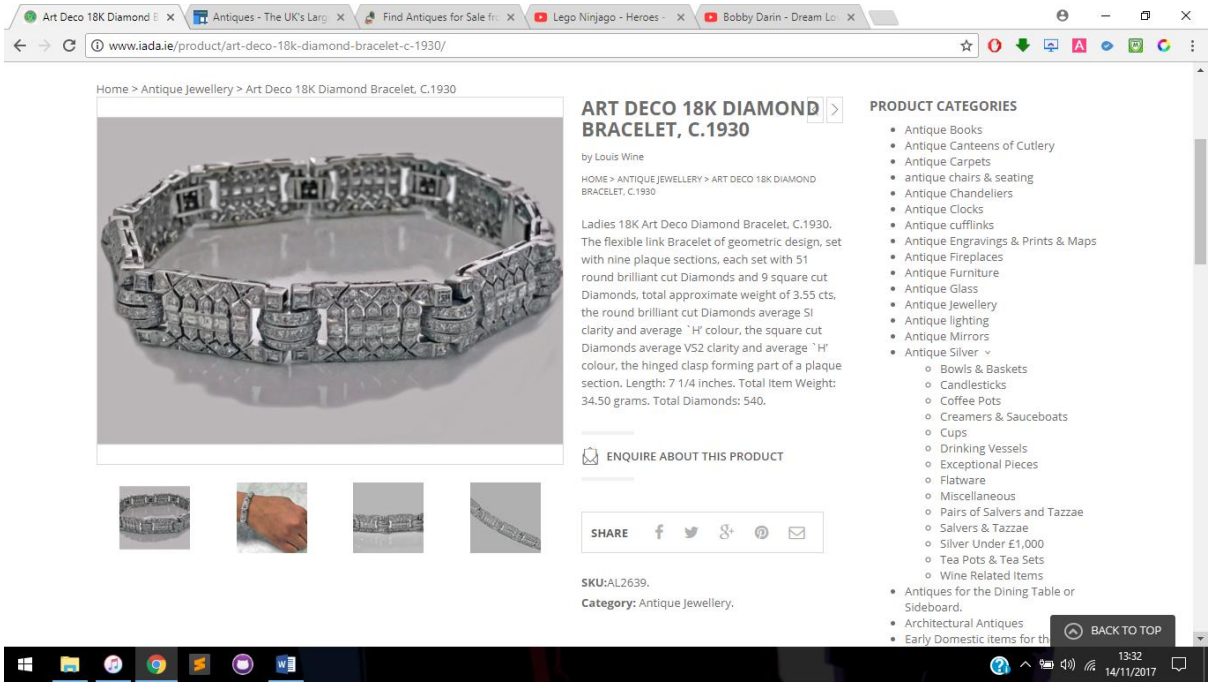


Figure 6: Product Information Irish Antique Dealers Association

Colour Scheme

As previously mentioned the colour scheme is very dependent on the graphics. The website is very neutral with shades of grey on a predominantly white background. However, this works in the websites favour is it serves to highlight the items themselves and not detract from the main purpose of the website. i.e.: selling antiques.

Site Evaluation 2: My Antiques (http://www.myantiques.ie/)

First Impression (Keywords): “Dull”, “Tidy”, “Small Text”, “Professional”.

Look and Feel

- The website really leans on the antique older looking aesthetic and appearance. The wallpaper background and header font are evidence of this. The website is neatly laid out and not overly cluttered with content however text size is far too small.
- Aesthetically the site is dull. Green, brown, and grey are the primary used colours. Unlike the previously evaluated website the graphics do not provide any splashes of colour as they have all been given a brown filter over them. (Figure 7 and 8)
- Responsive design is not present on this website with the need to side scroll for each page.

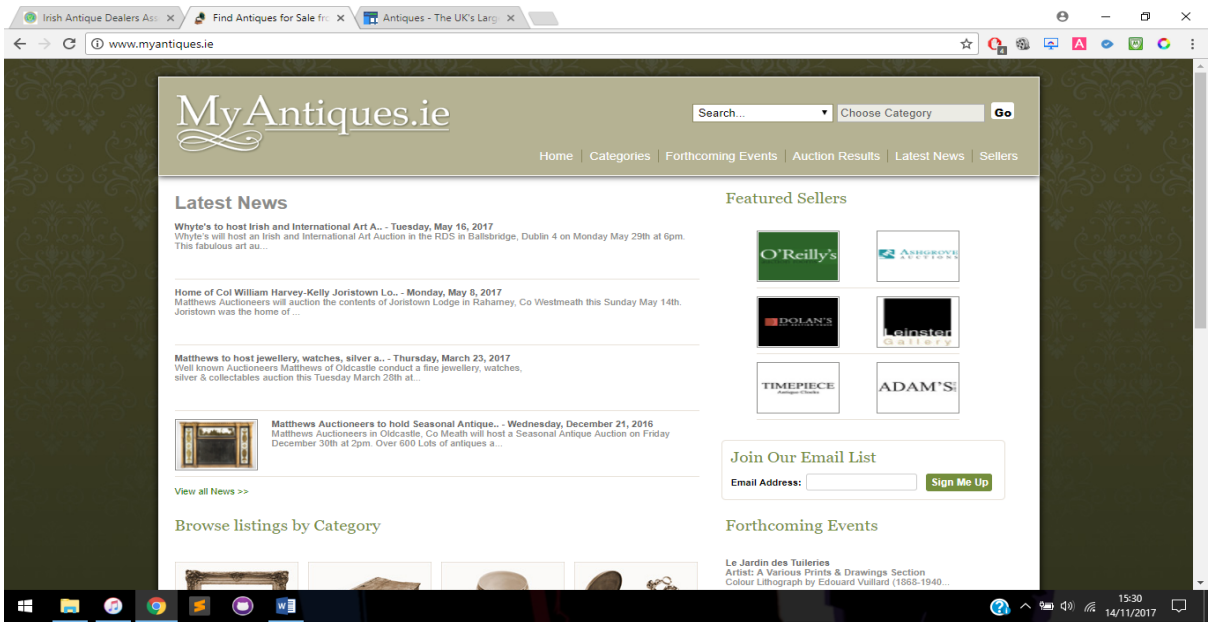


Figure 7: First Impression My Antiques

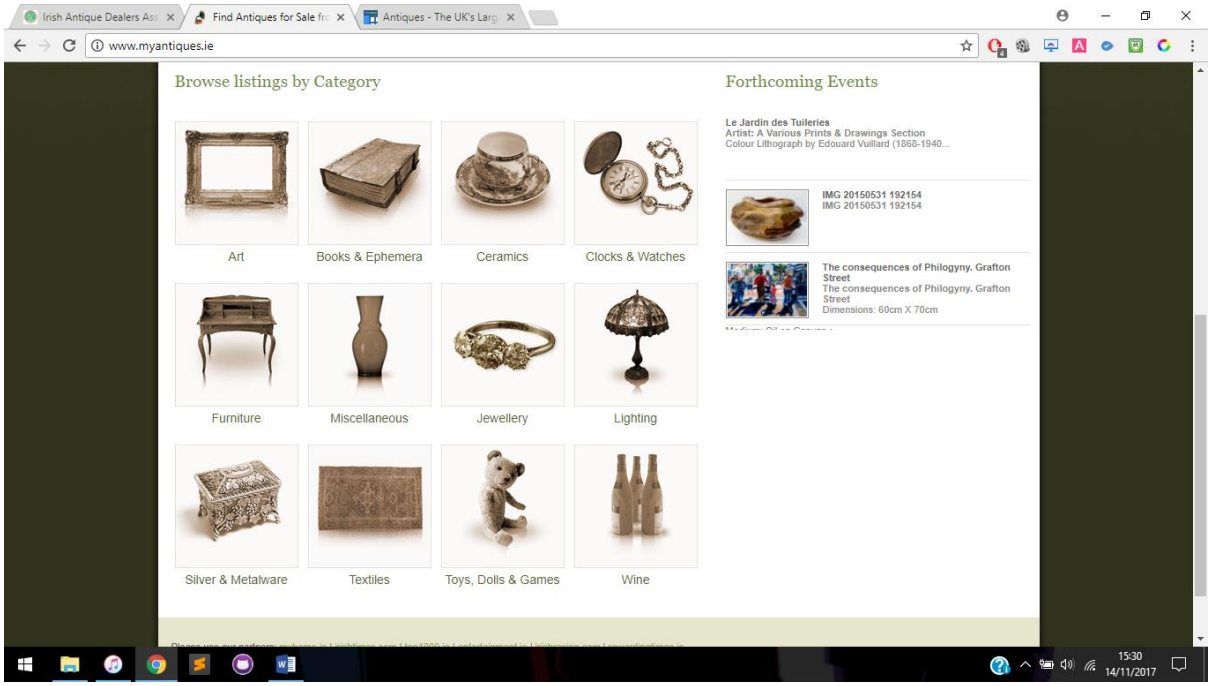


Figure 8: First Impression My Antiques

Navigation

Navigation focuses on the following links:

- Home
- Categories
- Events
- Auction Results
- News
- Sellers

All links are easily accessed and clear although it may have benefited from larger text size.

Within the Sellers link the user is given the option to access Dealers, Auctioneers, Galleries, Artists, and Retailers. Each page is very similar in layout and appearance,

a list of Dealers, Auctioneers etc, details on each and an option to find out more such as contact details, location, map etc. See Figure 9 for an example of layout.

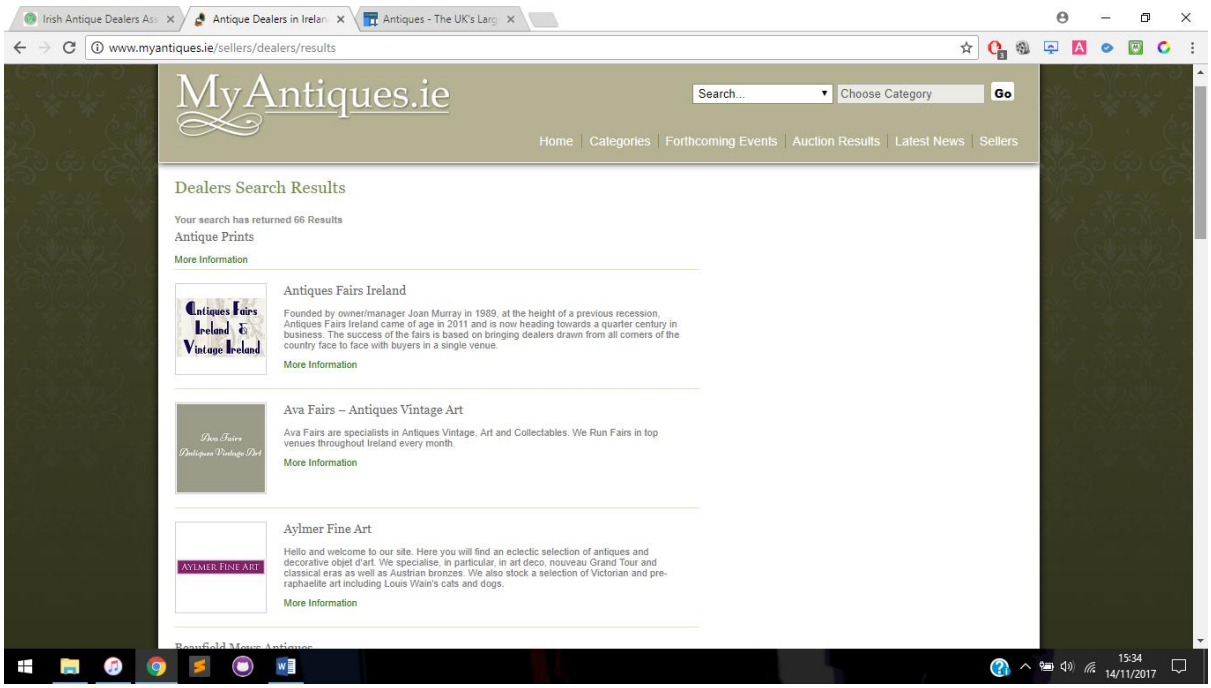


Figure 9: Dealers List My Antiques

The Footer is adequate providing further links to a site map, contact link, terms, and conditions etc but again has the same problem as the rest of the website with its text size being too small.

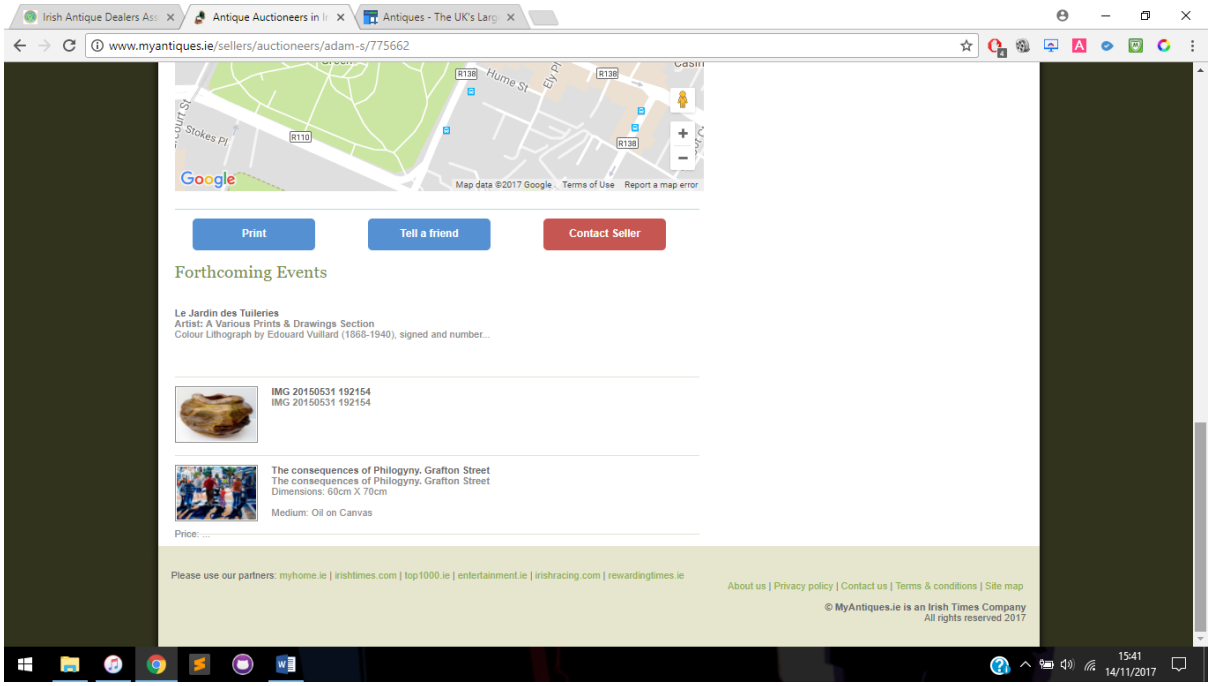


Figure 10: Footer My Antiques

The Product page is well laid out, clear with each category given a separate link and embracing the antique theme in its graphics. (Figure 11). However, within each of these links, information is sparse with a vague description of the item and no image of the item itself. Very poor display (Figure 12 and 13). Each item should have a clear price, several visuals, brief history, dealer information etc. This will be improved upon with in the assignments website.

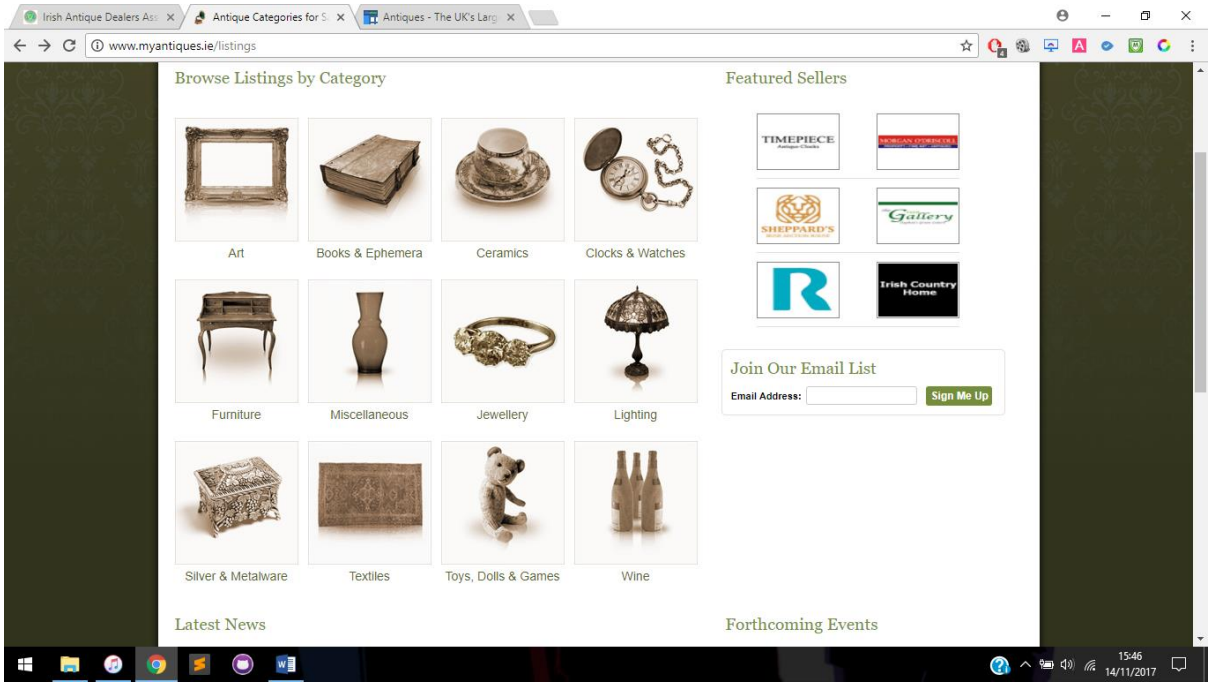


Figure 11: Products My Antiques

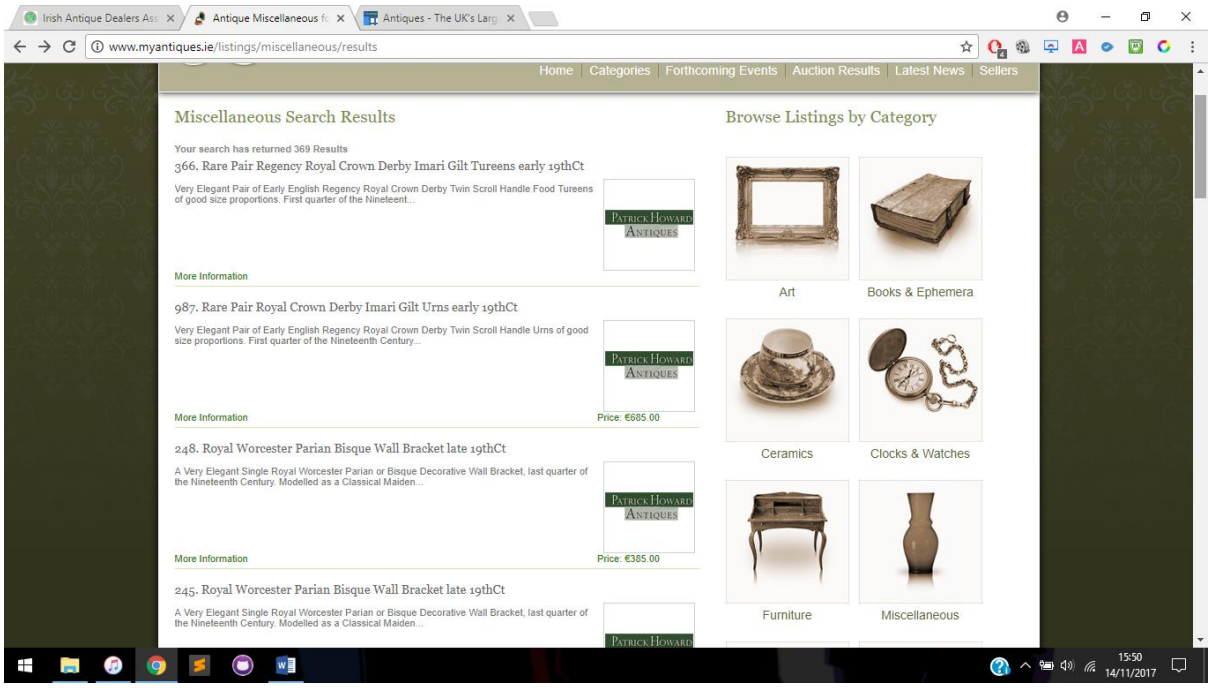


Figure 12: Product Information My Antiques

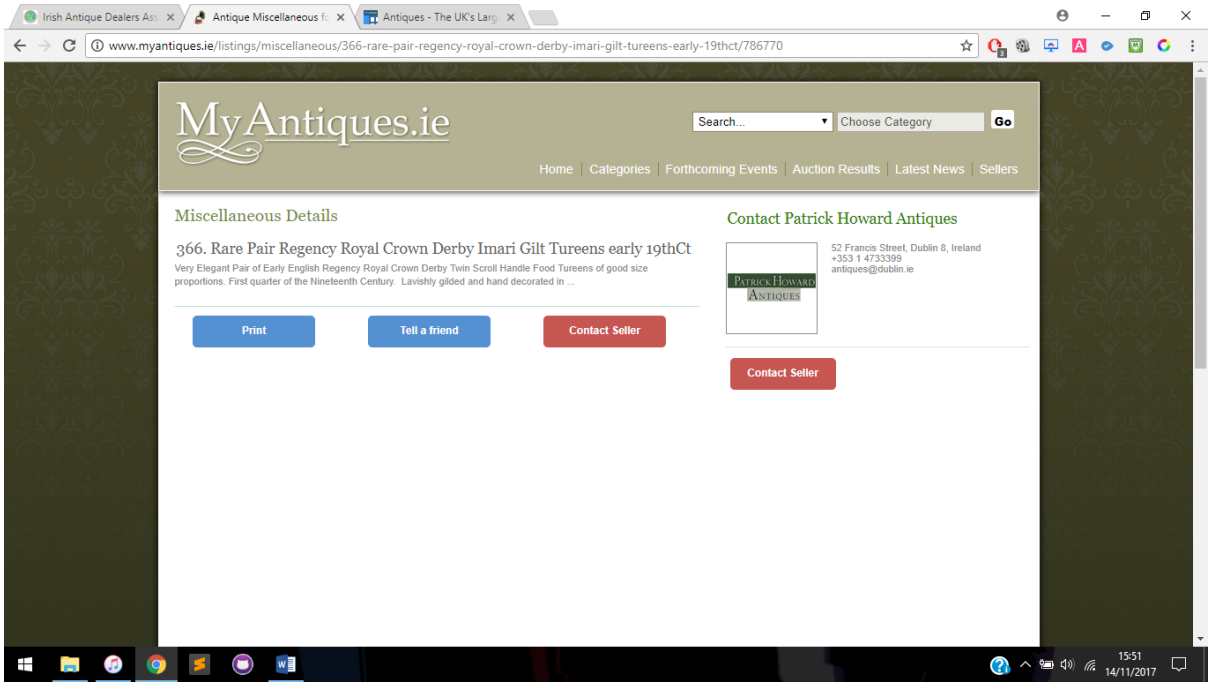


Figure 13: More Product Information My Antiques

Colour Scheme

As previously mentioned the colour scheme is dull and lifeless. The website is clearly going for the antique theme, but this leaves the website visually unappealing.

Other Antique Websites Evaluated

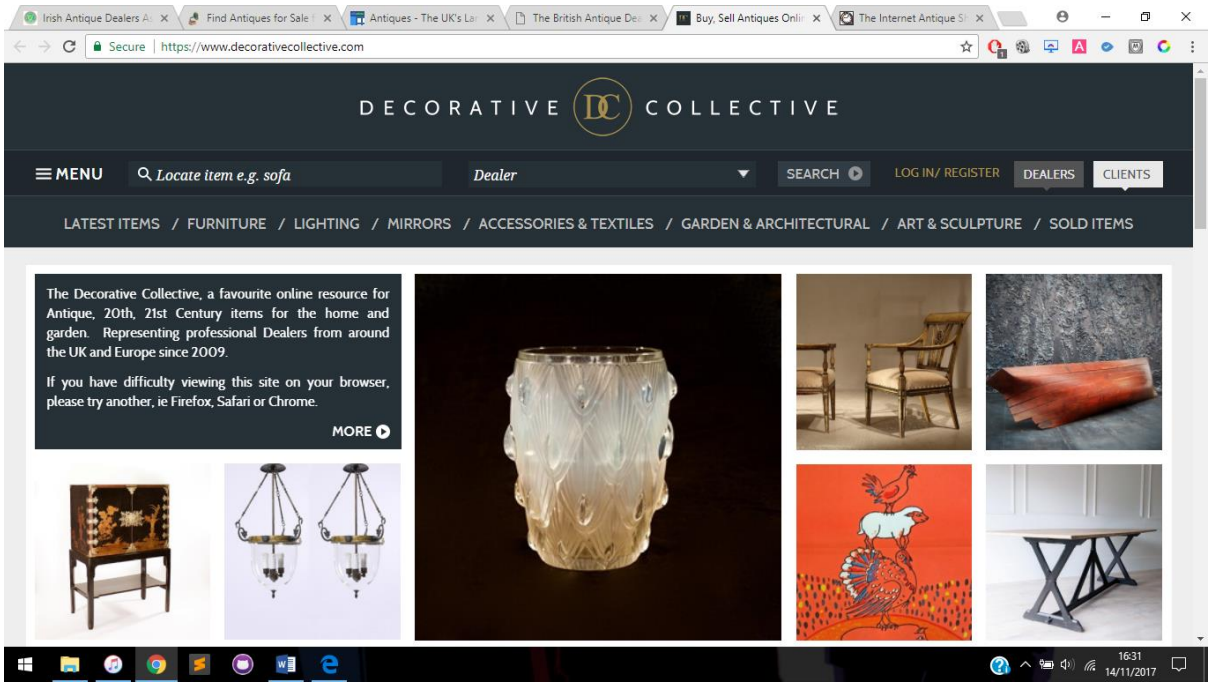


Figure 14: Decorative Collective

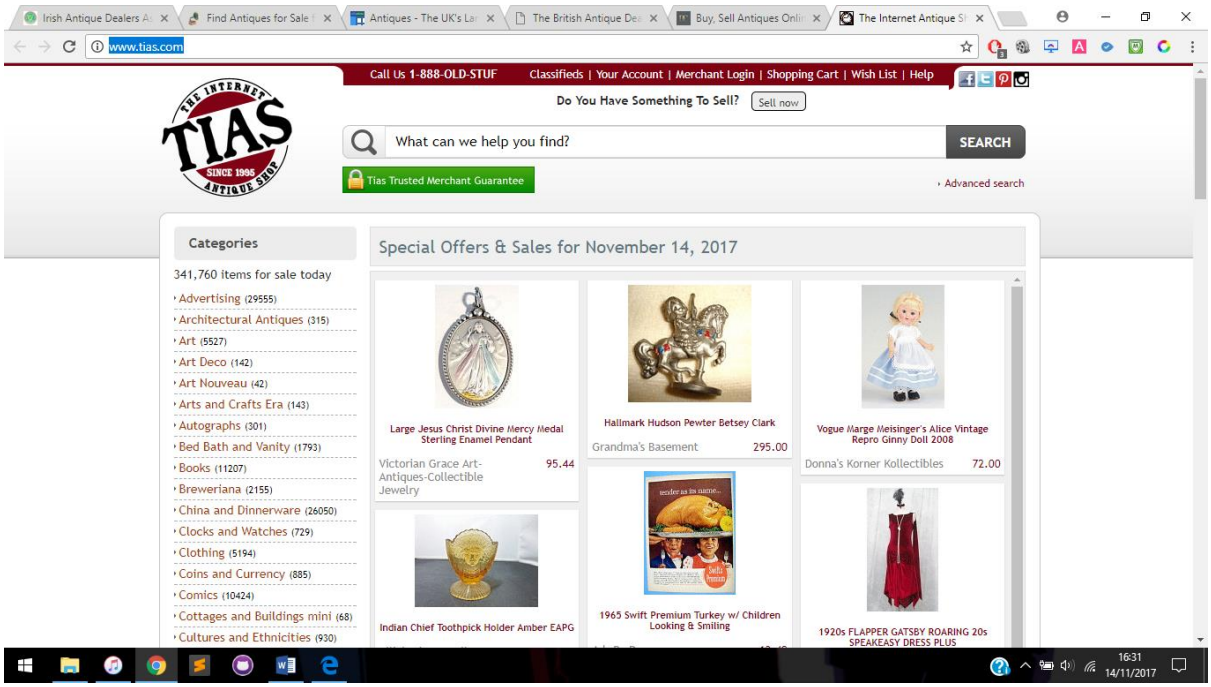


Figure 15: The Internet Antique Shop

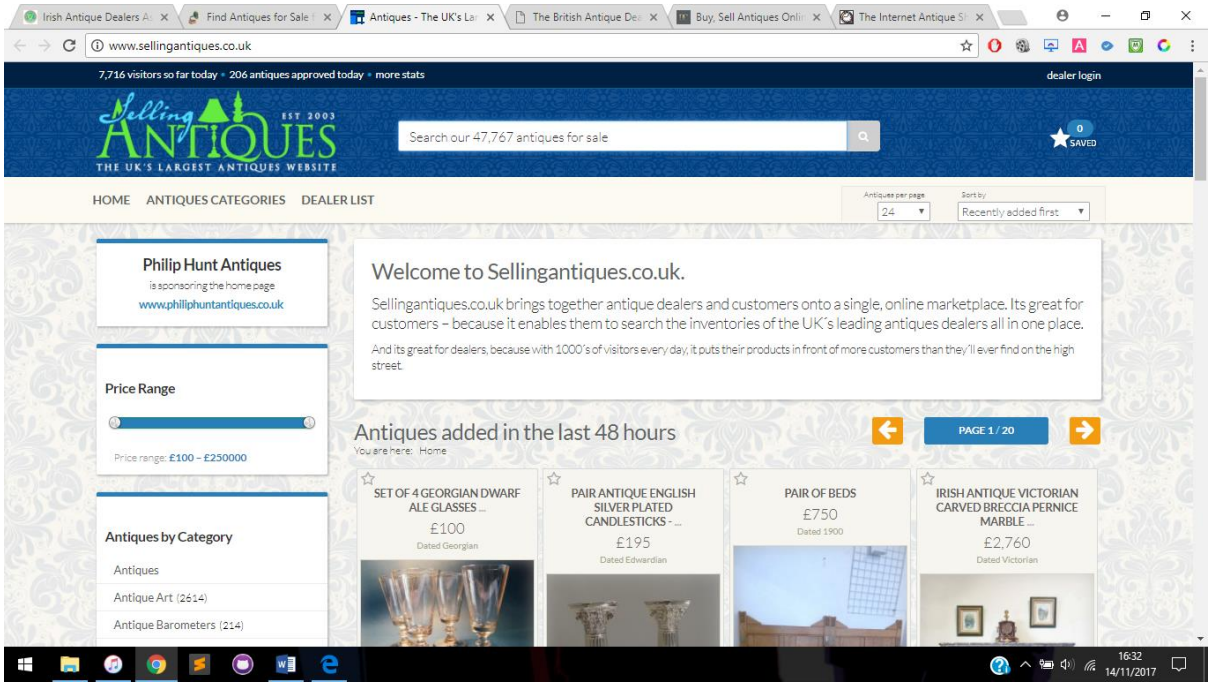


Figure 16: Selling Antiques

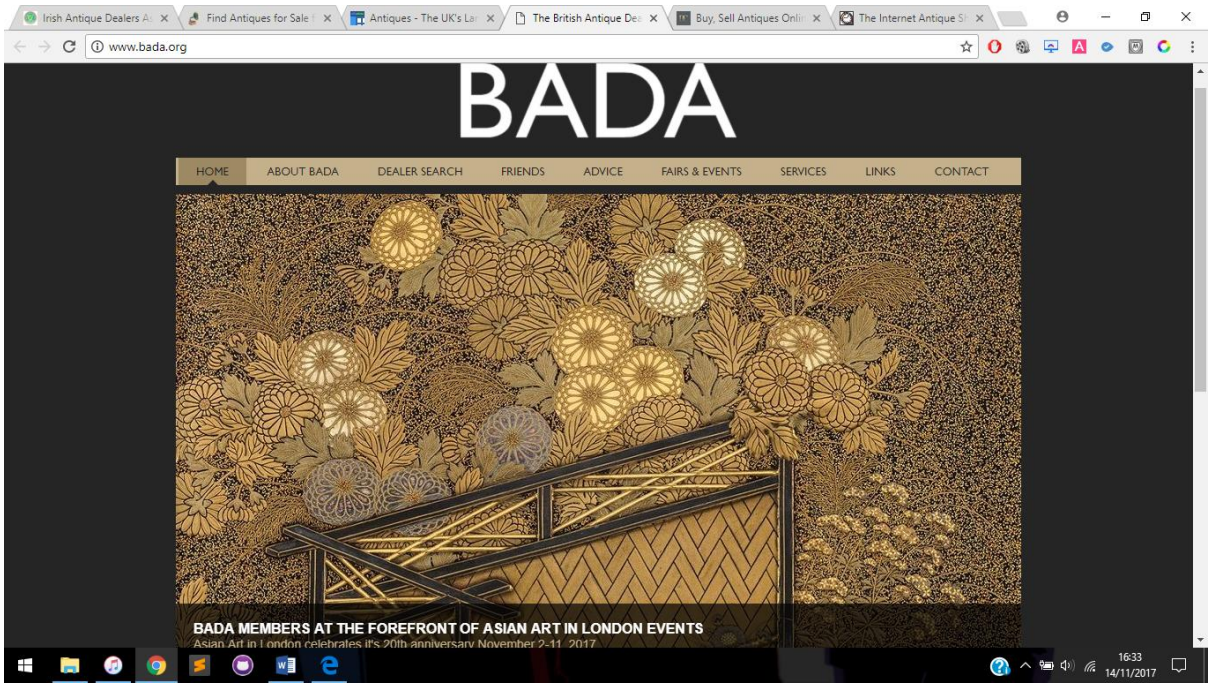


Figure 17: The British Antique Dealers Association

Conclusions/Findings

The research of each of these websites provided good insight into how antiques are being presented online. Except for “Decorative Collective” there appears to be this stigma that because an item is an antique it is to dictate the theme of the website and present it as lifeless. There should be a level of dignity maintained because of the nature of the items being sold but for the design a balance must be found between dignified, alive without being tacky. The solution to this issue will be within the proposed colour scheme. Functionally each website is good. Clear, categorised, and easy to navigate through.

In terms of navigation each website is much the same. Home, Dealers, Catalogue/Categories, About/Contact, Antique Advice, and Upcoming Events. Based on these findings the proposed website will consist of the following 8 separate main pages:

- Home Page
- Catalogue
- Dealers
- Events/Shows
- About Us/Contact
- Antique Advice
- Checkout
- Styling Sheet (As required from the brief)

Each page will be designed with a Header, Content, and Footer. A Navigation Bar will also be featured.

Design and Development

Design Intent

The overall priorities when designing this website were as follows:

Prioritisation of information - What the user will want to see first on visiting this website and the importance of presenting this information.

Navigation - The means of navigating around this website must be straight forward and easy to locate. i.e. A Navigation Bar with the eight decided pages and a footer with secondary information.

Interaction - The website must be dynamic in design to allow for a better interaction with the various links within.

Ease of Access - No goal for the user should be more than 3 clicks away from their starting point.

Conceptual/Layout Proposal

All websites should be easy to navigate, clear, uncluttered, and well-spaced. This was the aim during the construction of the proposed website.

Basic sketches were first done on paper to obtain a basic concept of layout. (See Figure 18-25) While conceptualising the briefs requirements were followed. I.e. An eight-page structure (Homepage, Catalogue, Dealers, Events/Shows, About Us/Contact, Antique Advice Checkout, Style Page)

Common design practices were decided upon such as F-Layout or Z-Layout, Single Page or Scrolling and the use and positioning of Navigation.

A 12-column responsive grid system was implemented for Desktop, Mobile and Tablet devices.

The website header remains consistently placed throughout the eight pages with three display modes: Desktop, Mobile and Tablet. Within the Header the Logo and Navigation Bar remain visible. However, their placement changes on screen size reduction and on Mobile and Tablet devices the Navigation Bar converts to a hidden drop-down menu behind a single Menu option. Once hovered over the eight menu options will appear with the aid of .CSS Bootstrap Media Queries.

The following are the conceptual designs of the proposed website. Please note these are concept proposals and not to scale. However, the required column length is marked in each box. Each page will have the same Logo, Navigation and Footer set up and all pages will be responsive to Mobile devices and browser pages below the width of 480px.

Note: These Layouts are liable to be altered through the development of this Assignment.

Home Page (Carousel, Links, Welcome Statement)

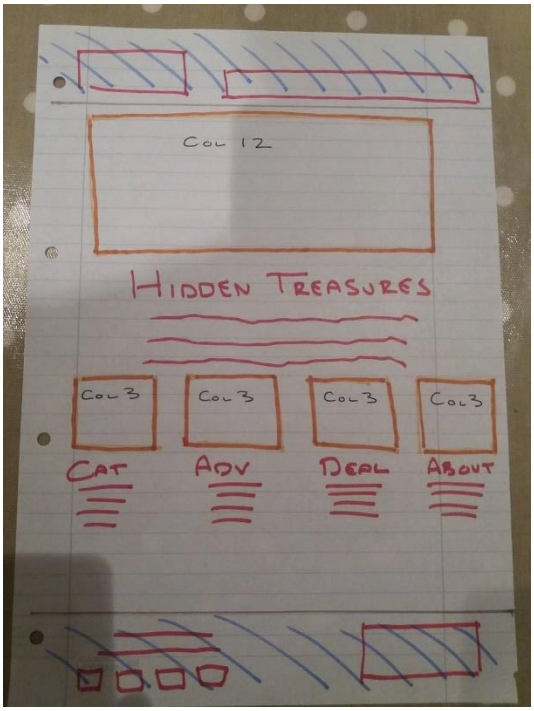


Figure 18: Conceptual Home Page

Catalogue (Items, Lightbox, Add to Cart, Descriptions/Price)

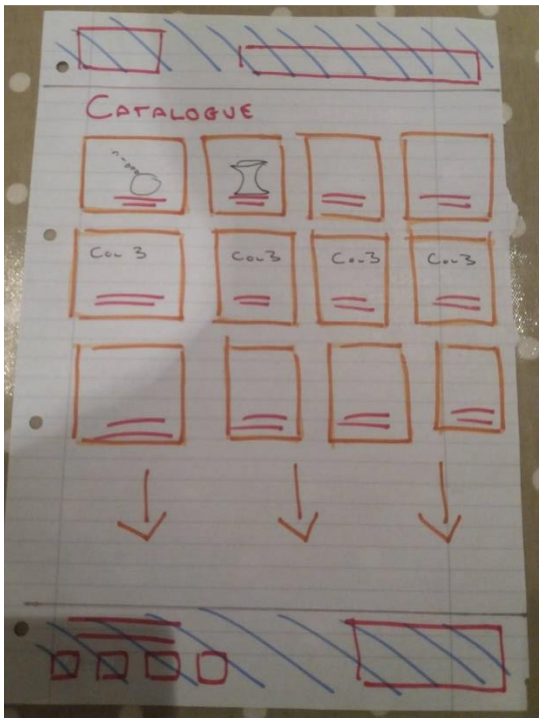


Figure 19: Conceptual Catalogue

Dealers (Dealers Table, Links, Name, Location, Contact)

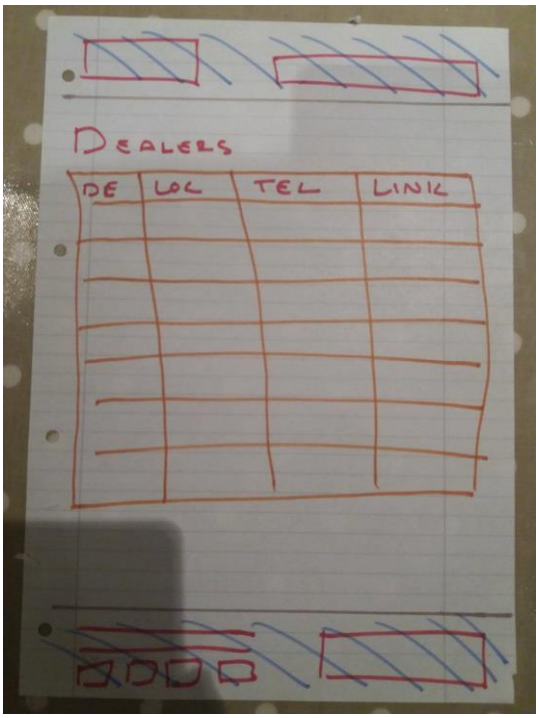


Figure 20: Conceptual Dealers

Events/Shows (Venue, Location, Details, Times/Dates)

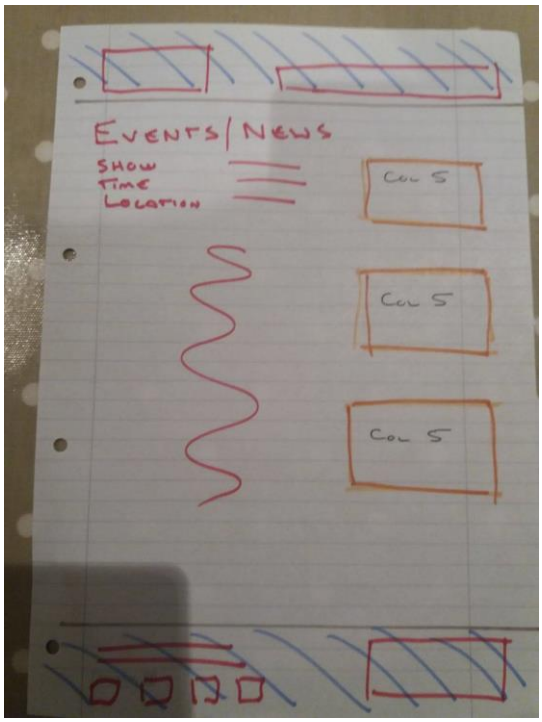


Figure 21: Conceptual Events/Shows

About Us/Contact (History, The Team, Contact Form, Google Maps, Contact Details)

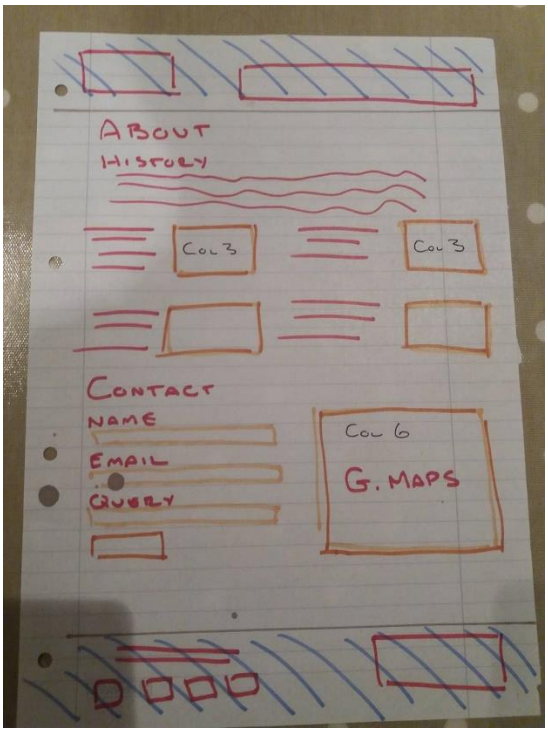


Figure 22: Conceptual About Us/Contact

Antique Advice (Tips and Advice)

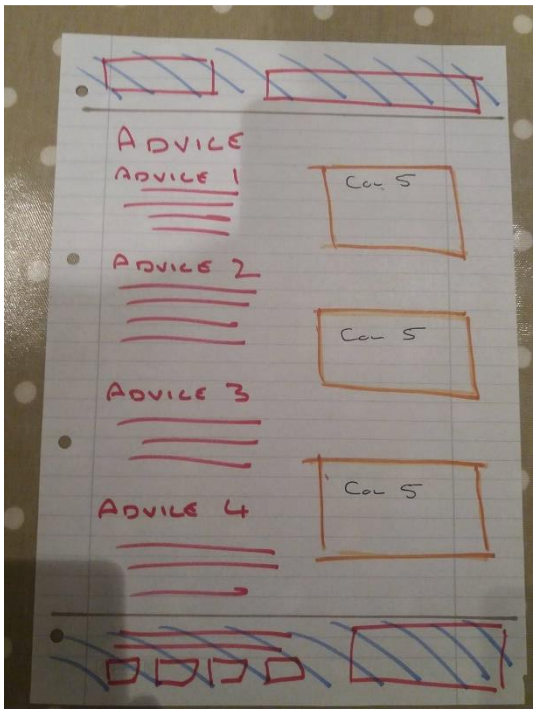


Figure 23: Conceptual Antique Advice

Checkout (Step by Step to Purchase, Summary, Details, Payment, Confirm)

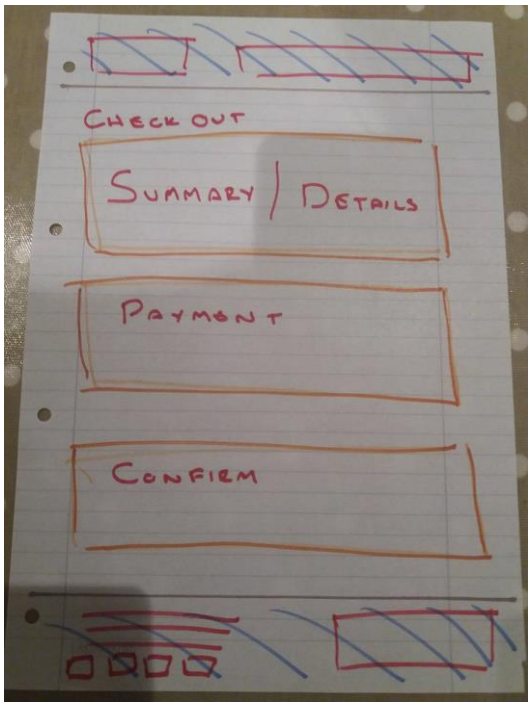


Figure 24: Conceptual Checkout

Styling Sheet (3 Fonts, Video/Audio, SVG, Canvas, Raster, Colour Theory)

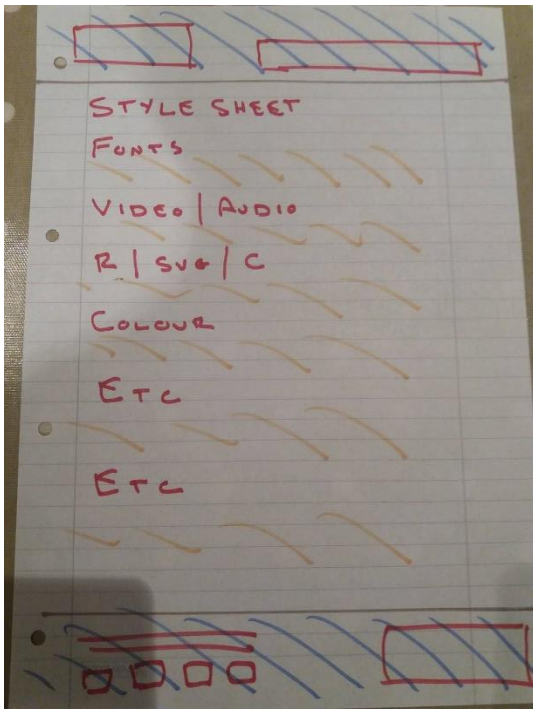


Figure 25: Conceptual Styling Sheet

12 Grid Layout

The 12-column grid layout was used to structure the webpage into manageable sections and improve layout quality. The total width of the container within the webpage was 960px respectively.

Within this grid there are 3 main sections that feature over the 8 webpages required:

The Header

- Logo/Title
- Navigation

Body/Content

- Text
- Images
- Embedded Videos/Audio
- Links
- Interaction

Footer

- Site Map
- Copyright etc.
- Social Media Icons
- Contact Link

Responsive Design

One of the main advantages to using the 12-column grid layout is that it allows for better responsive manipulation. Two media queries were used on top of the general .CSS properties for desktops. Mobile and Tablet screens was optimized. Touch screen use was accounted for and managed properly for precise interactions.

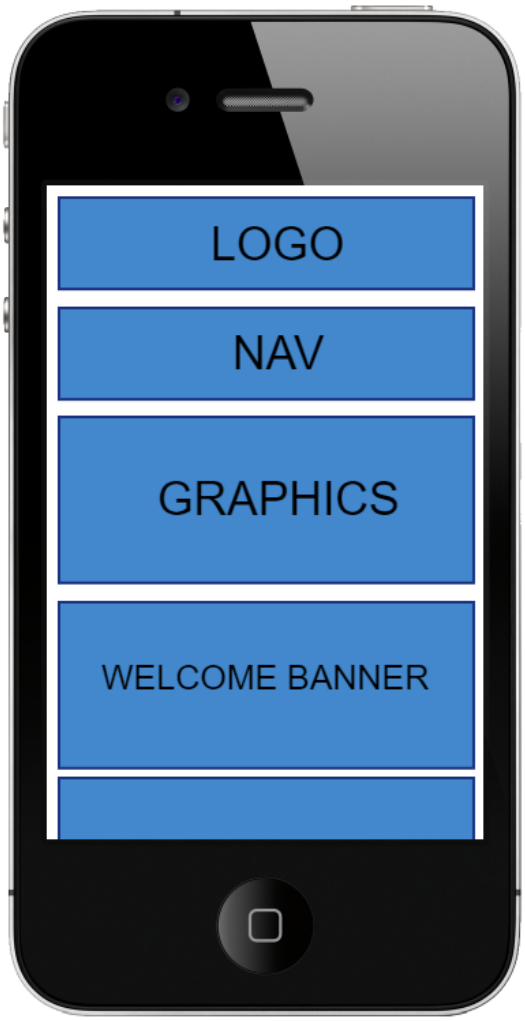


Figure 26: Wireframe Responsive Design

Aesthetics

Aesthetically all website should be pleasing to the eye, well presented, clear and easy to navigate. Website layout and structure was mentioned in **"Conceptual/Layout Proposal"**. After layout, colour scheme is the next most important factor.

Using a colour scheme web application called **COOLORS** the following colour scheme was chosen. During research it was found that most Antique Websites went for the old fashioned and dated themes. The logic of colour choices within "Hidden Treasures" was to try for a more modern, elegant, lively but not tacky aesthetic. The Following were the Colours Choose as noted above and where they were implemented.

- **#C9CDD9(Languid Lavender) -** This was used as the Body colour.
- **#454564(Independence) -** This was used as the Navigation and Footer base colour.
- **#333131(Jet) -** This was used as base colour for all Links, Captions, Paragraphs, and Headings within the Body.
- **#F6F6F6(White Smoke) -** This was used as the Navigation and Footer Anchors and Links.
- **#B1A275(Pale Taupe) –** The to-top buttons.
- **#CEB210(Lemon Curry) -** This was used to indicate that a Link is currently active

Colour Blindness tests were also carried out for the 3 main types.

- Protanopia (red perception issue)
- Deuteranopia (green perception issue)
- Tritanopia (blue perception issue)

The following are visuals of the scheme chosen during the design stage and their relation to colour blindness examinations. The hope was to arrive at a final colour scheme that incorporates the best of all combined and are the most accommodating.

Figure 27: Desired Colour Scheme

Figure 28: Protanopia Colour Blind Test

Figure 29: Deuteranopia Colour Blind Test

Figure 30: Tritanopia Colour Blind Test

Each page will be tested after development with the use of the Google Extension Spectrum and results will be discussed in the Conclusion portion of this report.

There isn't any concern for legibility using this colour scheme as the correct use of contrast and layout will ensure users with **Deuteranopia**, **Protanopia**, **Tritanopia** or other conditions can navigate and enjoy their visit to "Hidden Treasures".

Fonts/Logo

When picking a name “Hidden Treasures” was chosen for this website. It’s fun, induces a level of curiosity and isn’t generic such as those researched above. The font chosen was **“Aquifer”**, a downloadable server based font. It was also required to have 2 additional fonts (a Google Based Font and a OS Font) incorporated into the website in some way although did not need to feature in the main sections. Those chosen were **“Roboto”** and **“Brush Script MT”** (See Figure 31). The Logo was kept simple and took the form of a Key to kept up with the theme of treasures. (As Highlighted)

Figure 31: Chosen Fonts and Logo

Pages

A Responsive Navigation and Footer are featured on all page. The Navigation Bar remains fixed to the top of the page at all time. It houses a Banner link and the links to the various pages. The Footer with copyright, website designer and site map links.

Home

The “Home” page features a timed Carousel with graphics of various antique themed images. The lower section of the “Home” page houses a welcome statement and separate links for the various pages.

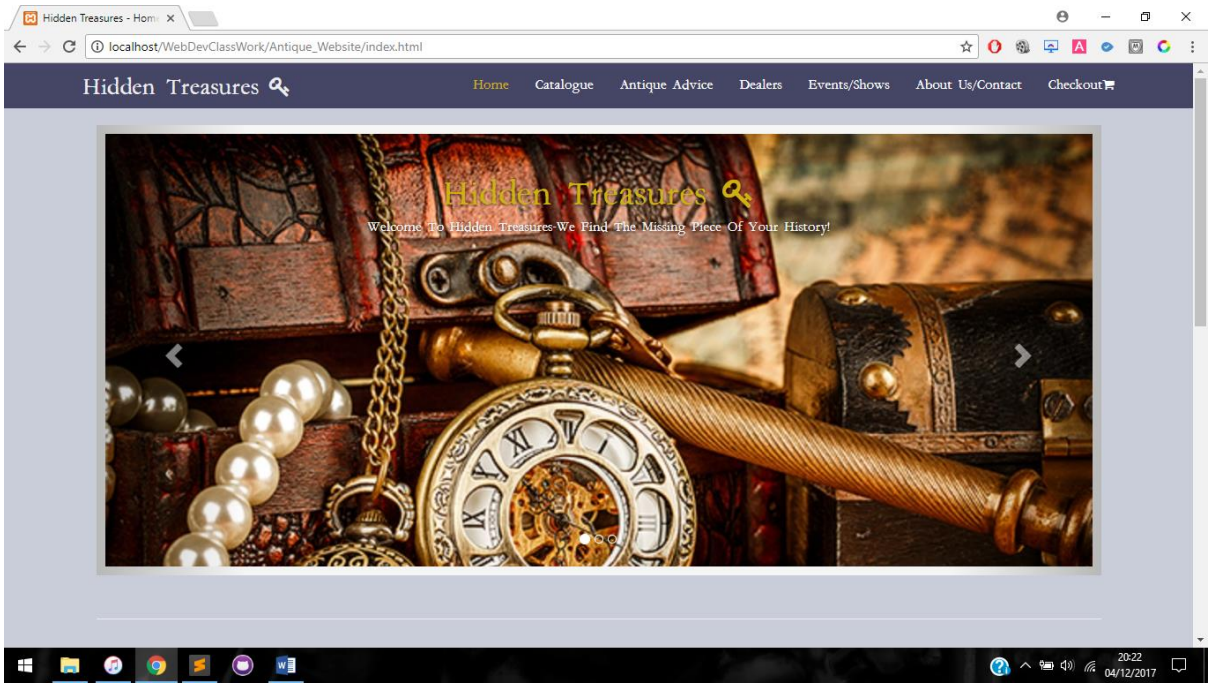


Figure 32: Home Page (Upper)

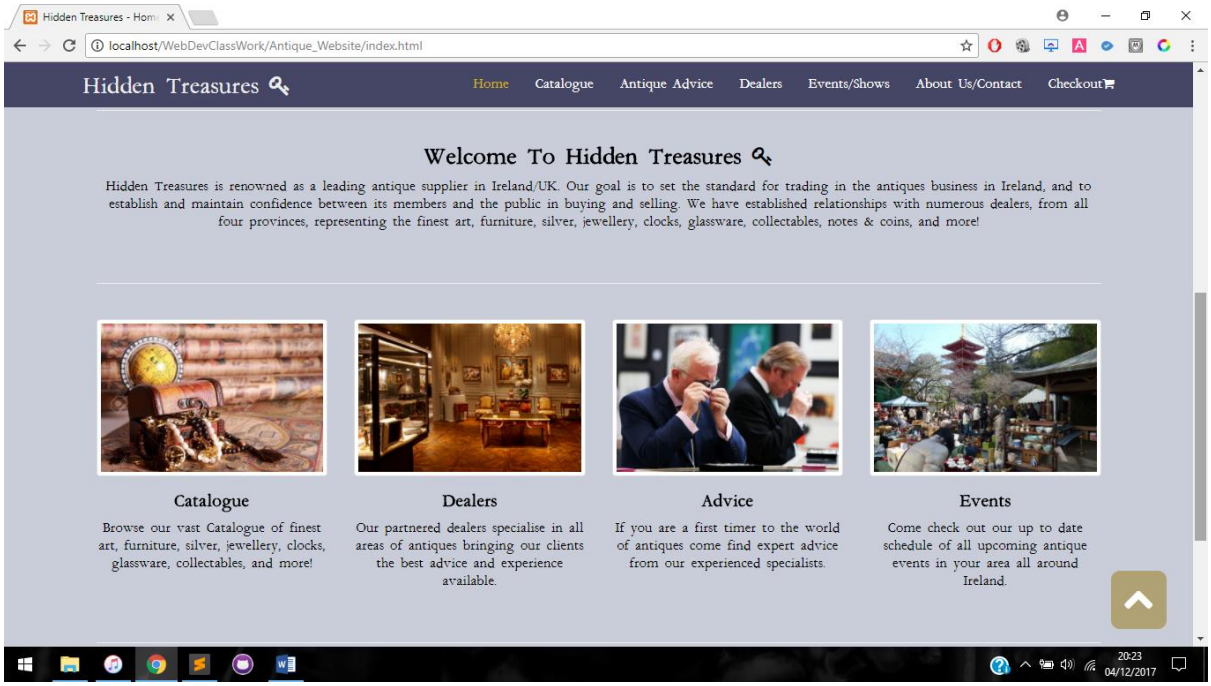


Figure 33: Home Page (Lower)

Catalogue

The "Catalogue" page features all the items available for sale on the Hidden Treasures, each with a main image, description, and price. Each item has 2 buttons available, the first to inspect the item further (1) (See Lightbox in the Technical Features section) and the second to add the item to the customers cart (2) (See Checkout in the Technical Features Section).

Note: Although the majority have function not all Lightbox galleries are available. Several have been purposely left empty.

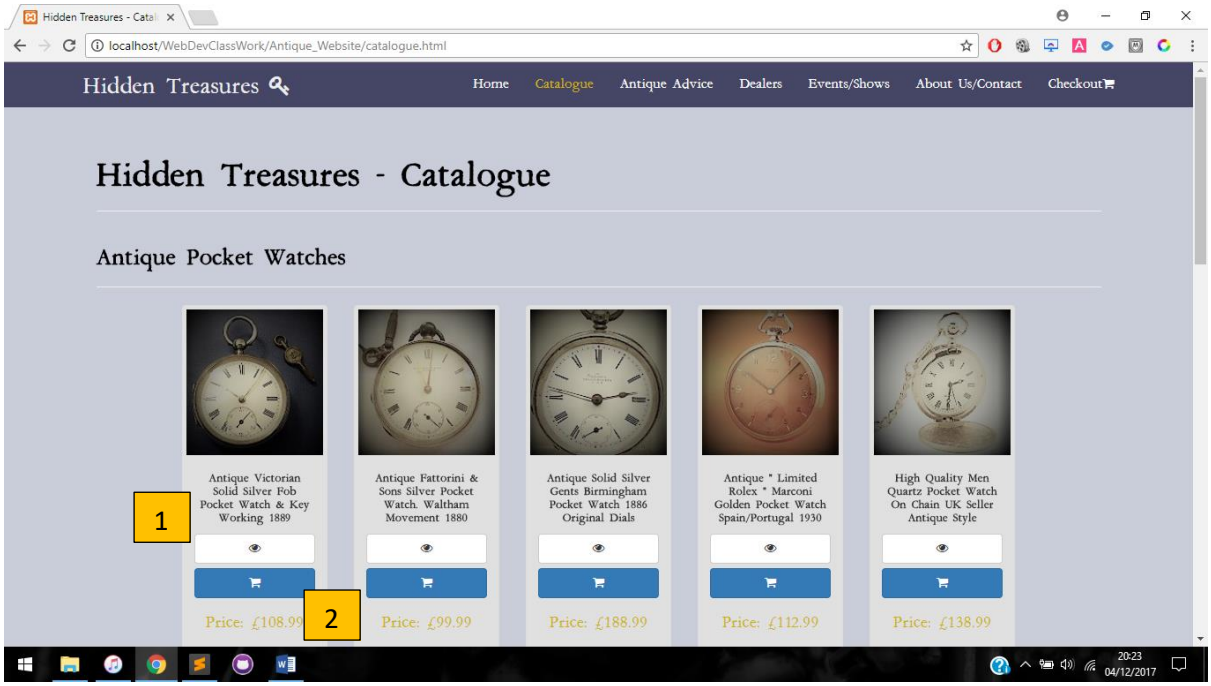


Figure 34: Catalogue Page

Antique Advice

Figure 35: Antique Advice Page (Upper)

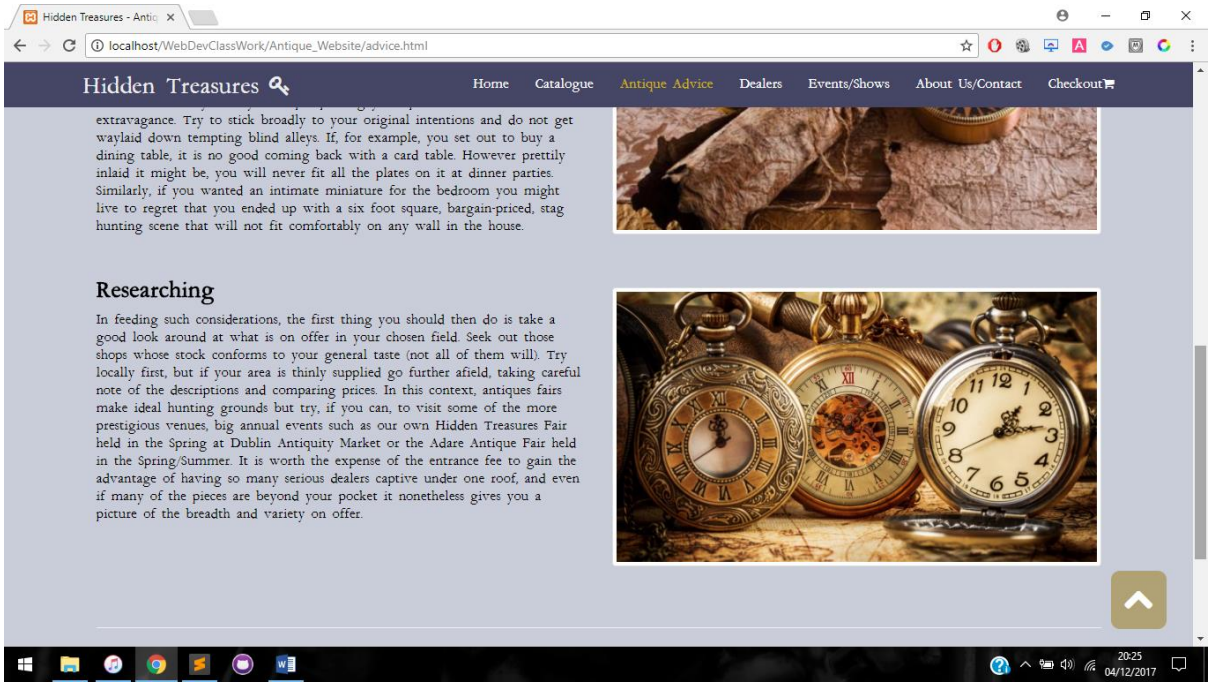


Figure 36: Antique Advice Page (Lower)

Dealers

The Dealers page features a table comprised of all associates and partners of Hidden Treasures. Using the Data Tables Plugin (https://datatables.net/) for jQuery the user can organise the table in alphabetical order (a-z and z-a) by the tables individual columns. There is a search option for the user to narrow the search down further by typing in a detail i.e. Cork. A show entries option is also available in amounts of 10, 20, 50 and 100.

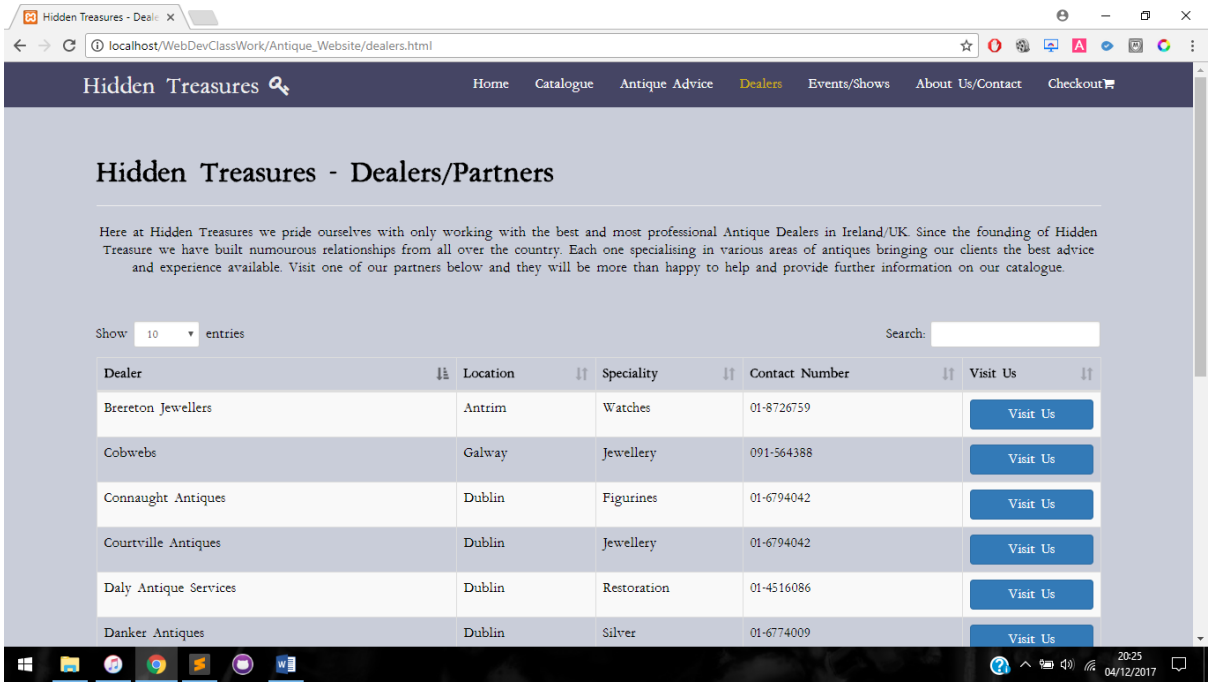


Figure 37: Dealers Page (Upper)

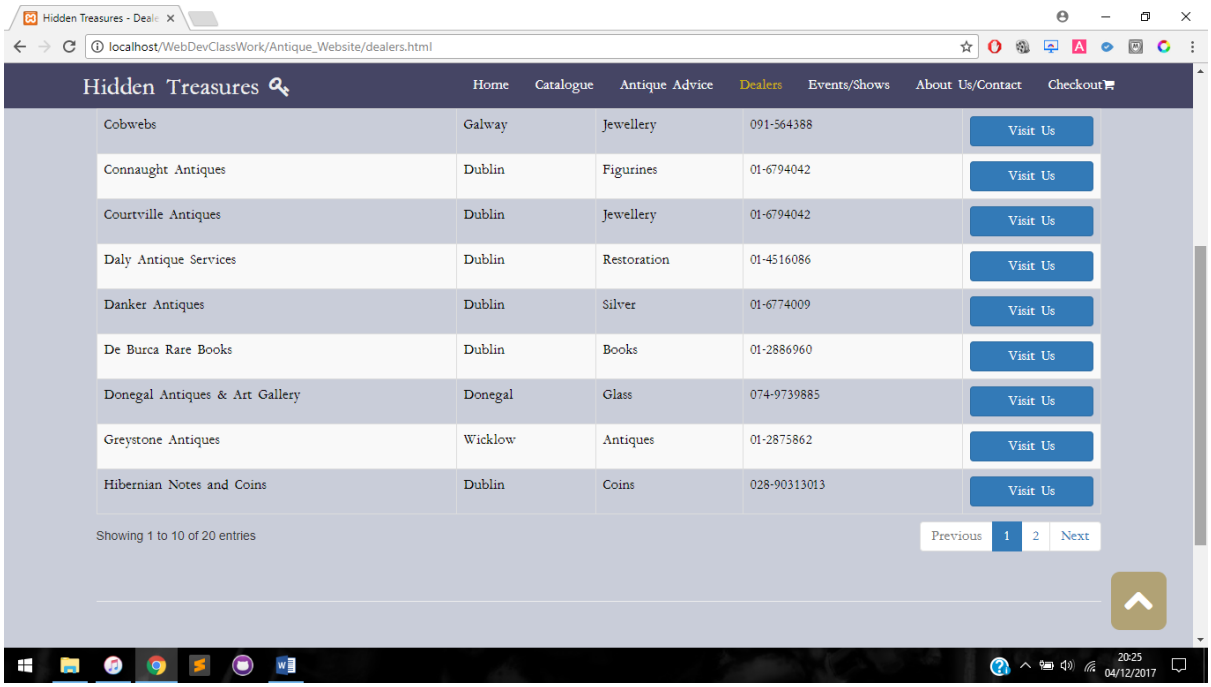


Figure 38: Dealers Page (Lower)

Events/Shows

Figure 39: Event/Shows Page

About Us/Contact

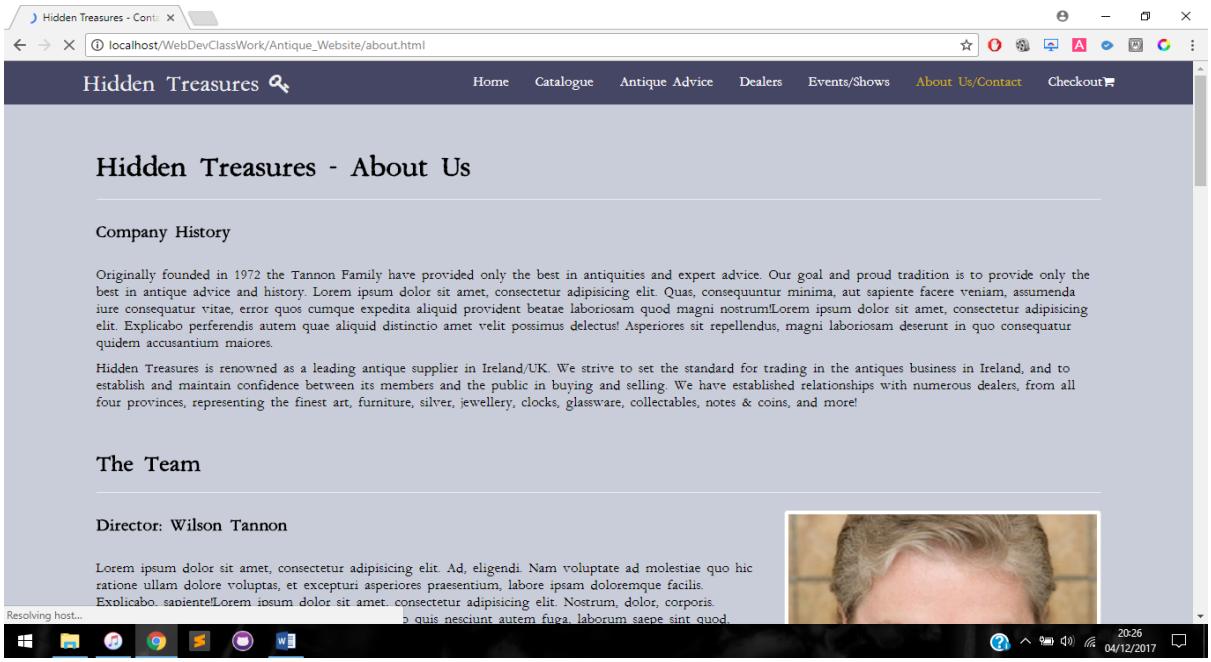


Figure 40: About Us/Contact Page (Upper)

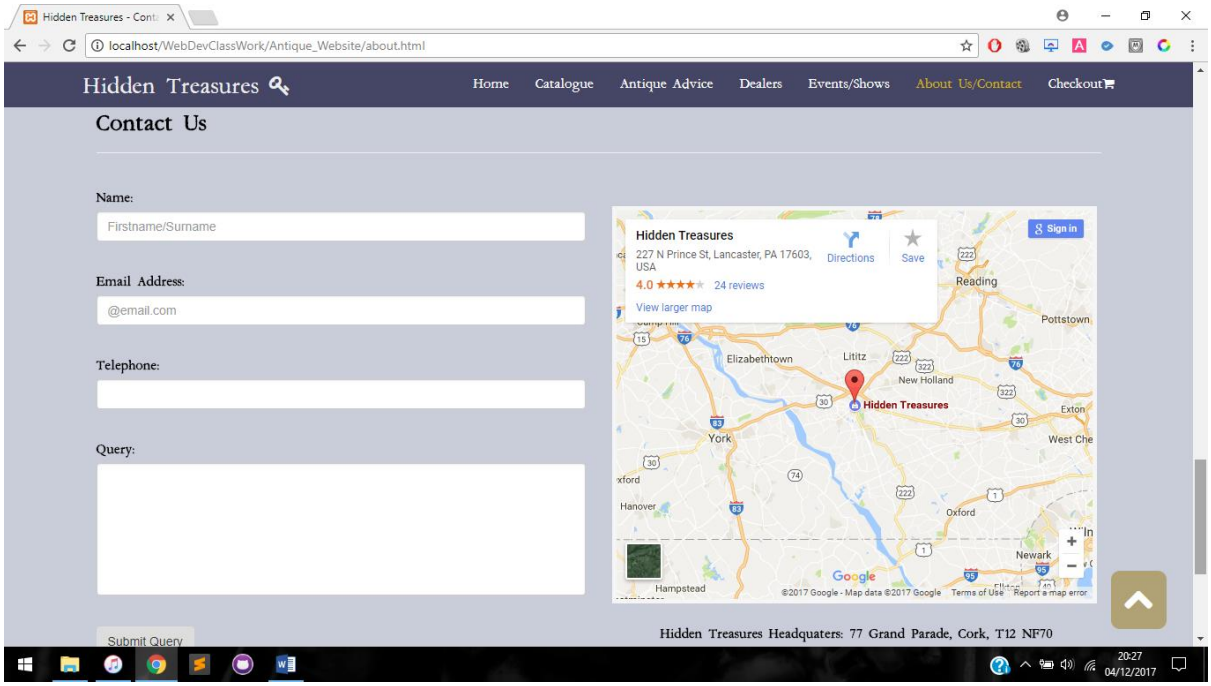


Figure 41: About Us/Contact Page (Lower)

Styling

This page is dedicated to displaying all requirements that the given brief specified and the link to which can only be found on the Site Map located on the footer. The requirements are as follows:

- **Three** Fonts: 1 Server based, 1 Google based, 1 OS based.
- HTML/CSS/JavaScript Validation
- Colour Theory
- Video
- Audio
- SVG/Canvas/Raster Images

Figure 42: Styling Page (Fonts)

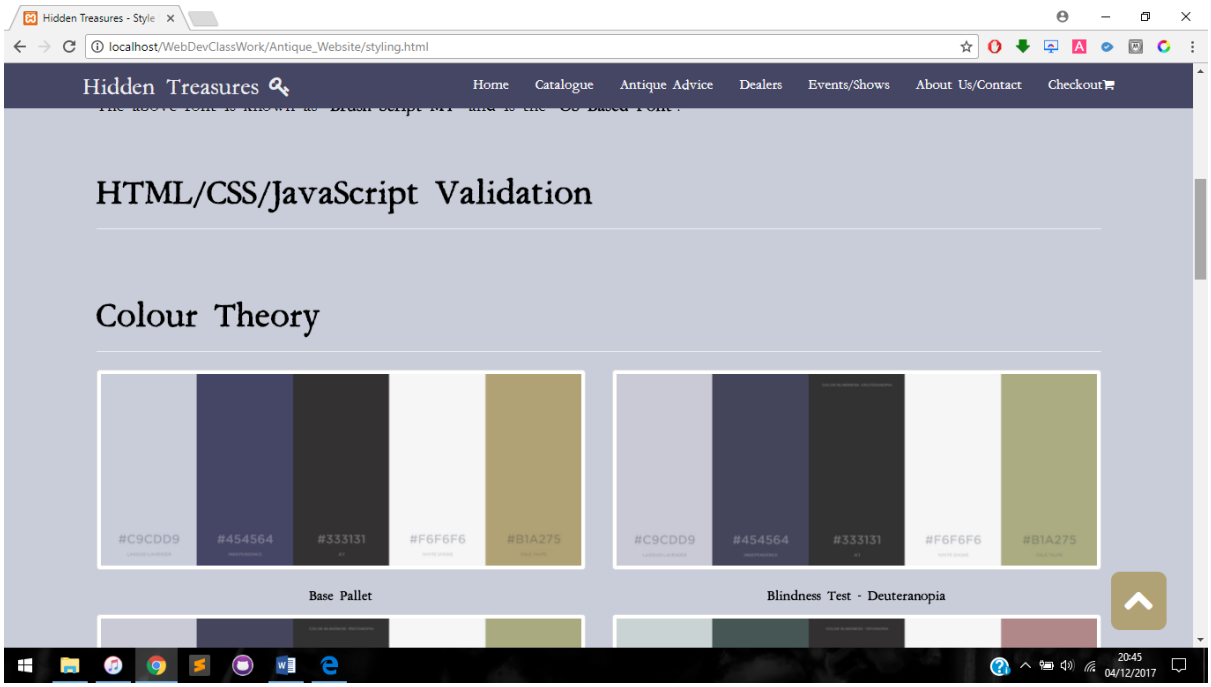


Figure 43: Styling Page (HTML/CSS/JavaScript Validation)

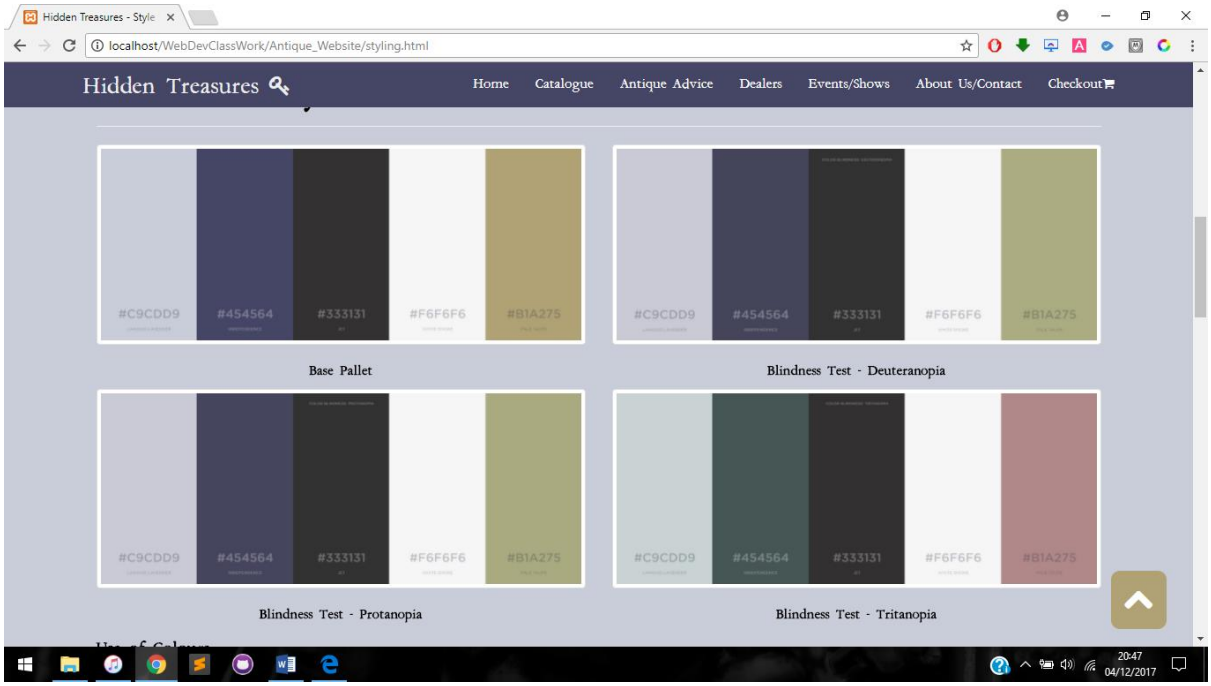


Figure 44: Styling Page (Colour Theory)

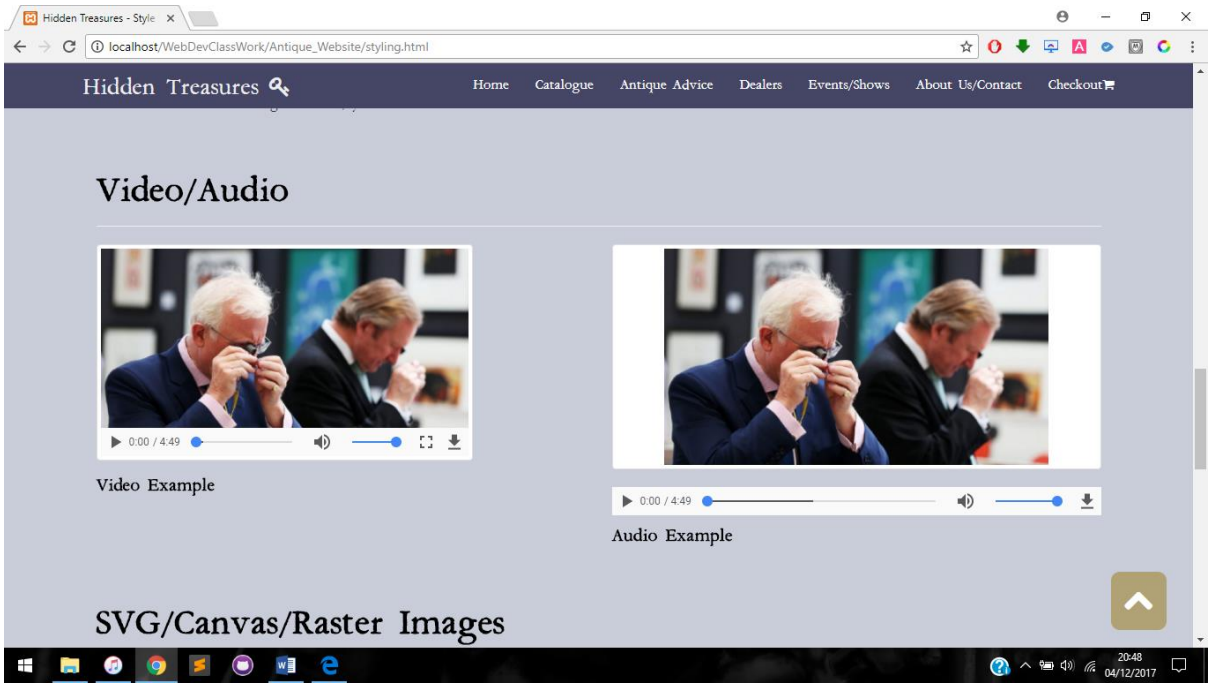


Figure 45: Styling Page (Video/Audio)

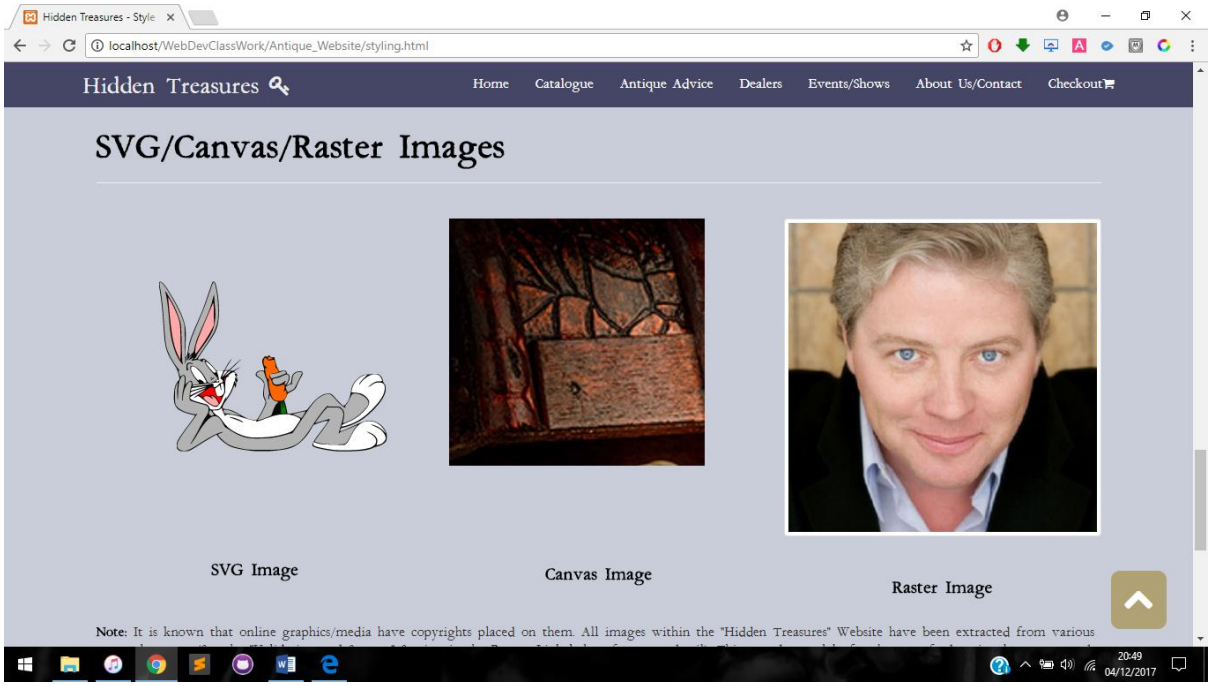


Figure 46: Styling Page (SVG/Canvas/Raster)

Checkout

Note: There is also a “Checkout” page available which is elaborated on in the Technical Features Section of this Report.

Navigation and Footer

The website header remains consistent throughout with three display modes: Desktop, Tablet, and Mobile. In these the Logo and Navigation Buttons are visible. In the Tablet and Mobile versions, the navigation uses a hidden menu that appears with a dropdown on hover, with the help of CSS styling. The navigation follows the user as they scroll up and down the page.

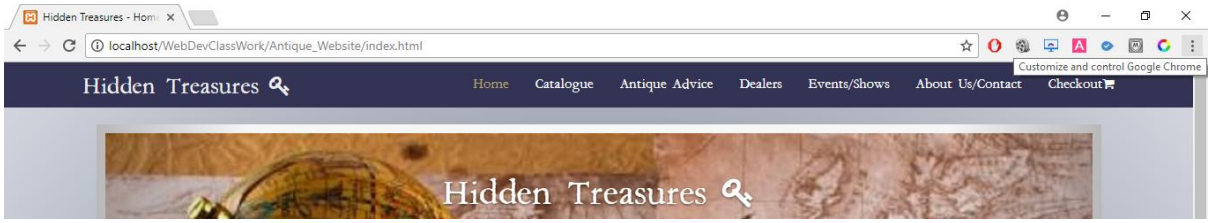


Figure 47: Navigation

The footer remains static to the bottom of the page and does not appear until the user reaches the bottom of the page and houses the following:

- Site Map with Links
- Social Media Links
- Contact Details
- Copy Right

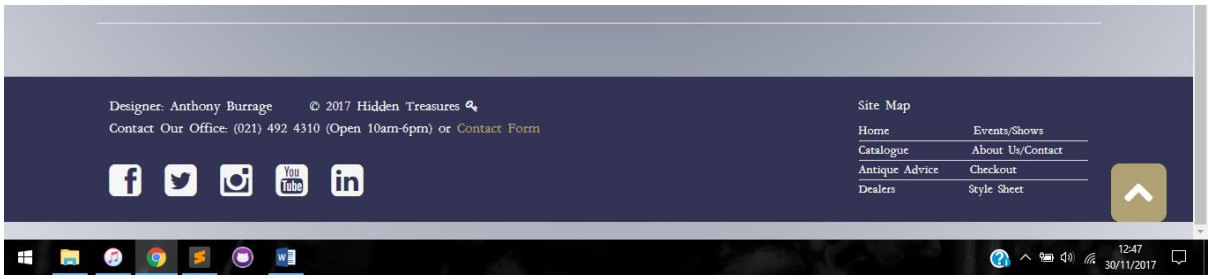


Figure 48: Footer

Responsive Features and Layout

The Website was designed with 4 main stages of responsive reaction depending on the screen size (Large, Medium, Small, and Extra Small). However, for the purposes of this assessment the focus will be placed on Large (As seen in Figures 33-43) and Extra Small, which will be relevant to Smart Phones. This was accomplished with the aid of the Bootstrap CSS package. Below is visual representation of the results for 480px the standard Smart Phone Device.

Home

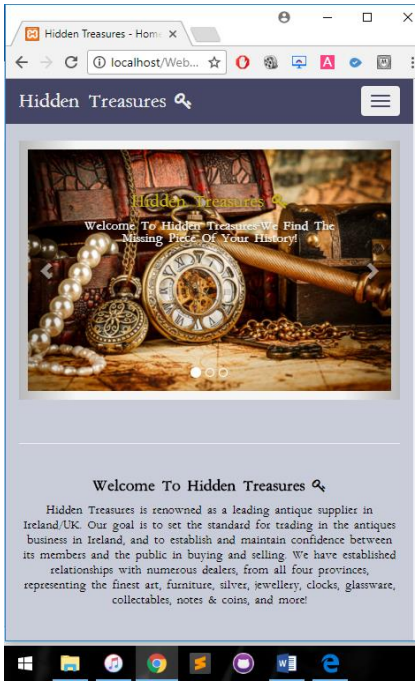


Figure 49/50: Responsive Design (Home Page)

Catalogue

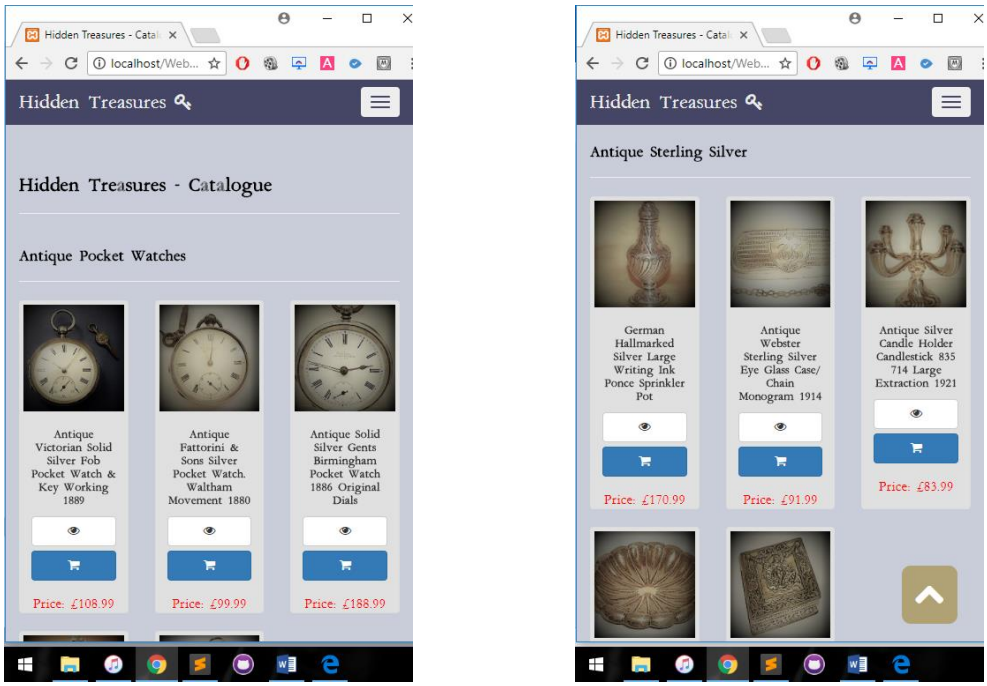


Figure 51/52: Responsive Design (Catalogue Page)

Antique Advice

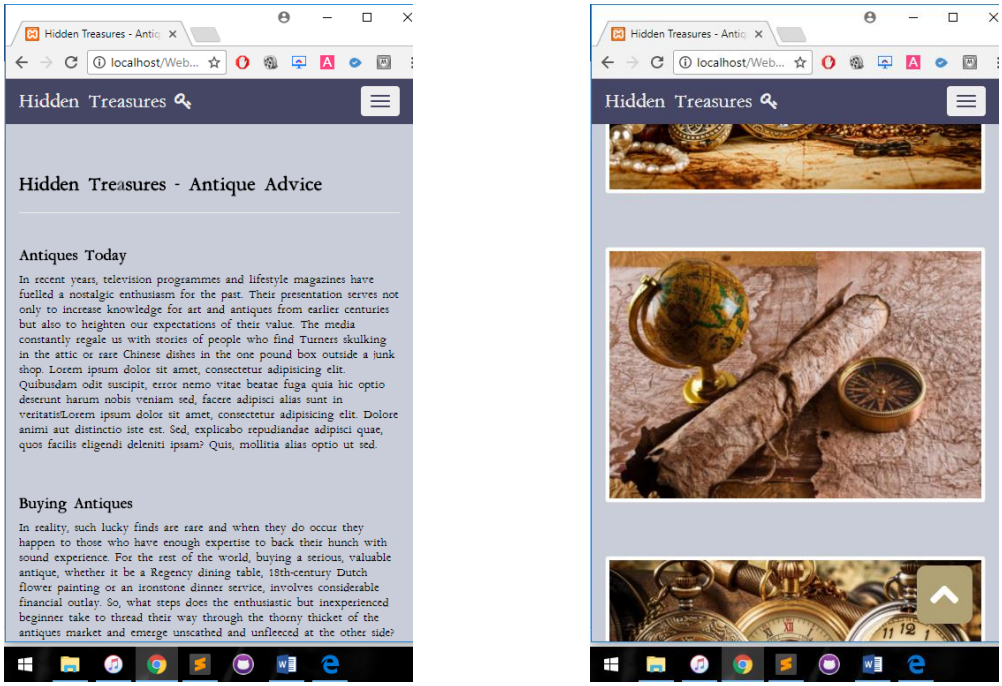


Figure 53/54: Responsive Design (Antique Advice Page)

Dealers

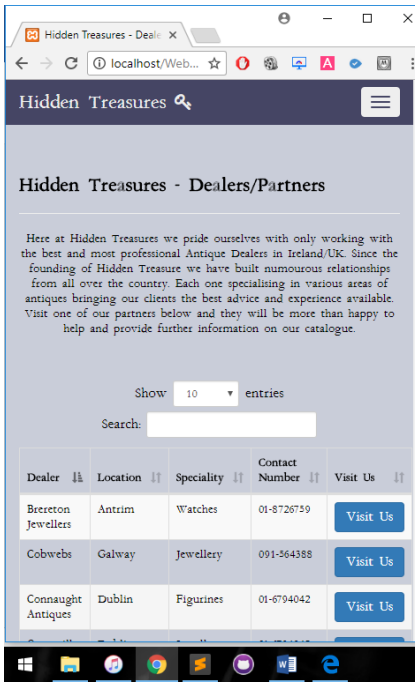


Figure 55/56: Responsive Design (Dealers Page)

Events/Shows

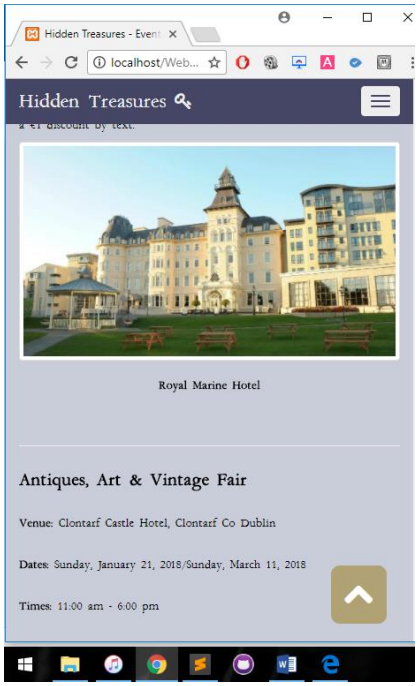
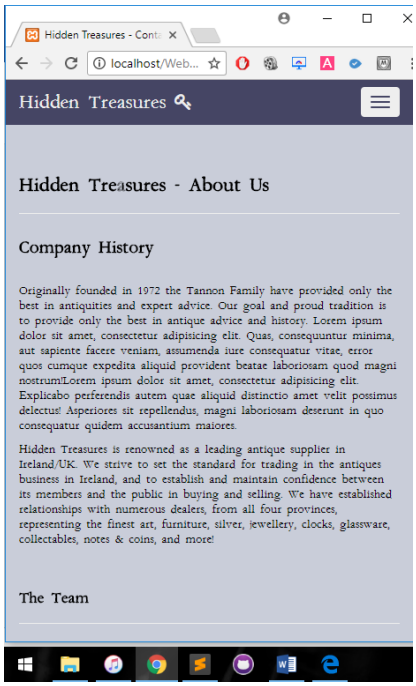


Figure 57/58: Responsive Design (Events/Shows Page)

About Us/Contact



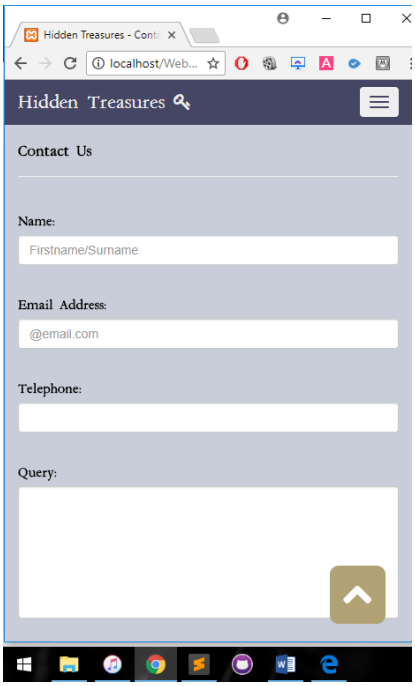


Figure 59/60: Responsive Design (About Us/Contact Page)

Checkout

Note: There is also a “Checkout” page available which is elaborated on in the Technical Features section of this report.

Navigation/Footer

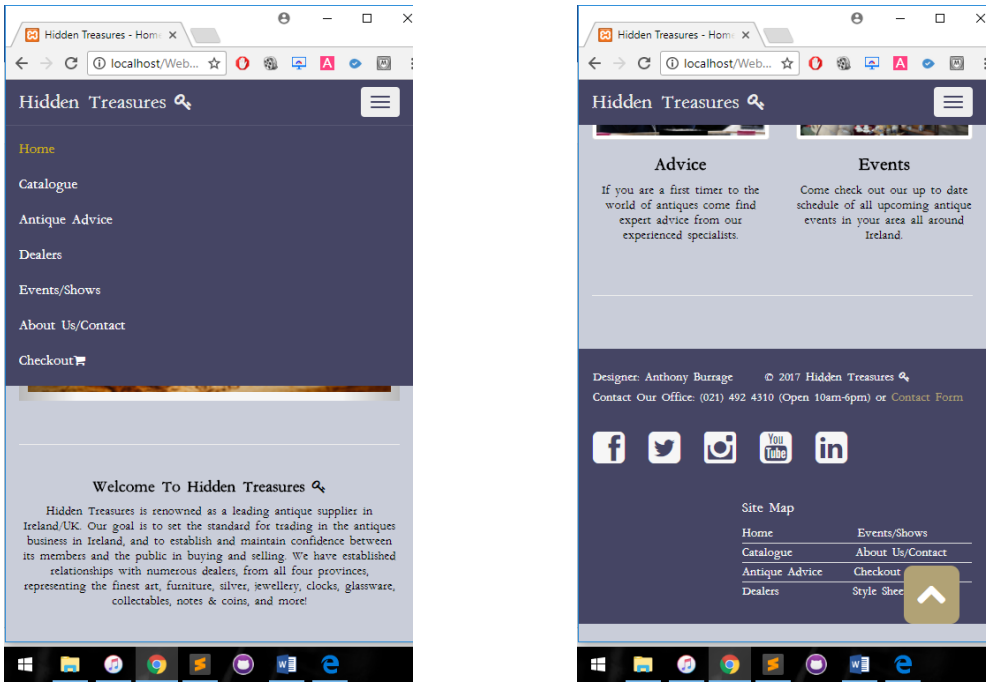


Figure 61/62: Responsive Design (Navigation/Footer)

Technical Features

Cookies

Cookies are implemented using Insites open source Cookie Consent CSS and JavaScript plugin.

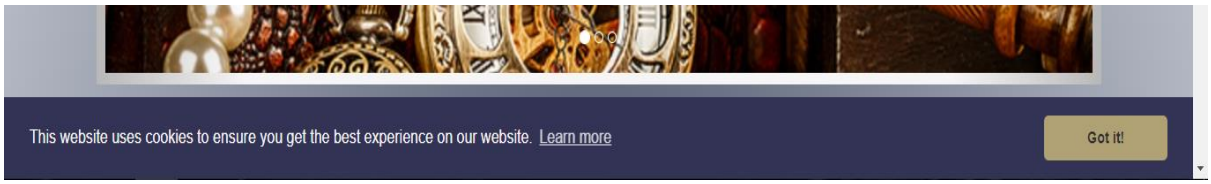


Figure 63: Cookies

Contact Form (Validation/Local Storage)

A Contact Form was implemented with a validation feature that will not send the form until the requirements are met. All fields are required except the Telephone field.

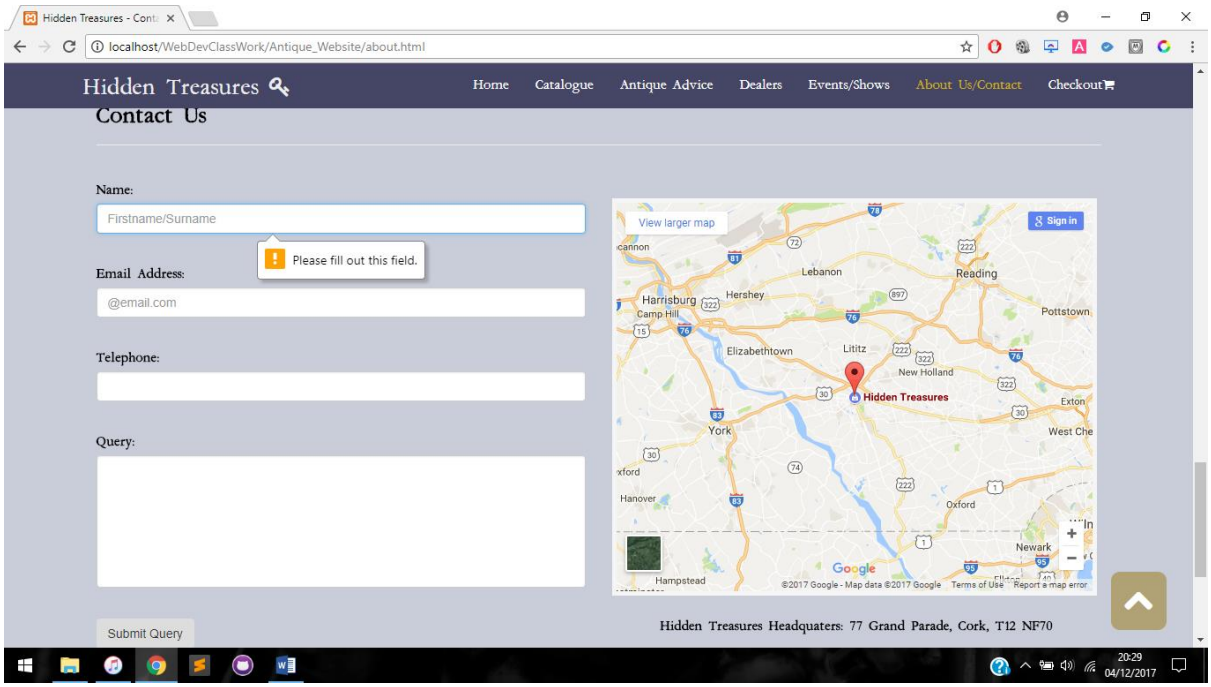


Figure 64: Validation (Contact Form)

The Details from each field were then required to be sent to local storage. This was done using the JavaScript function storedata () in custom.js. Below is documentation of the results.

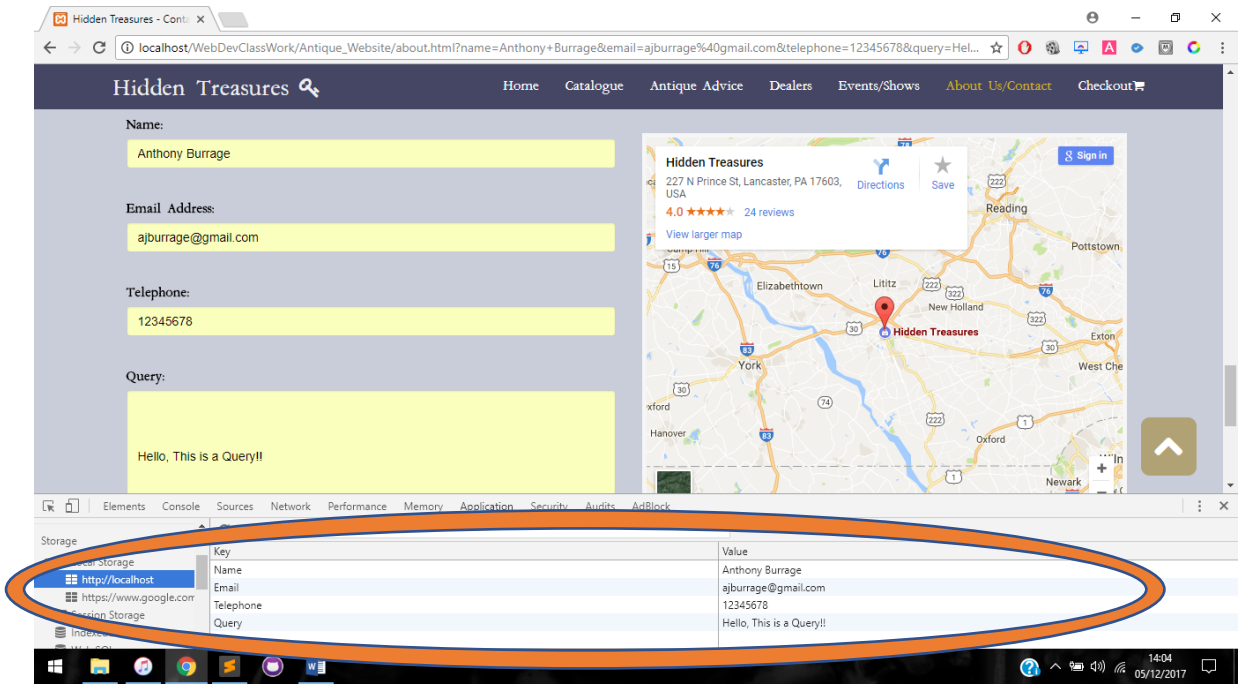


Figure 65: Local Storage (Contact Form)

Lightbox

Within the “Catalogue” page each item has an Inspect button. On click a gallery will open displaying further images of the item of interest using the Lightbox Package.

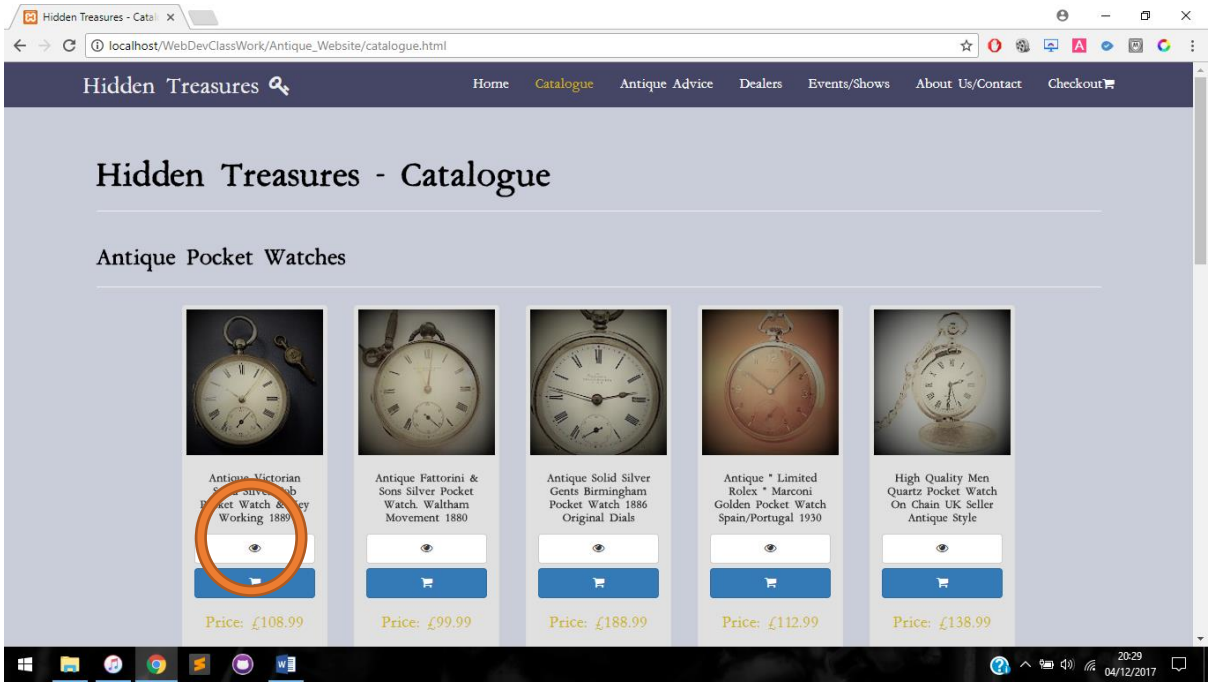


Figure 66: Inspect Button (As Highlighted)

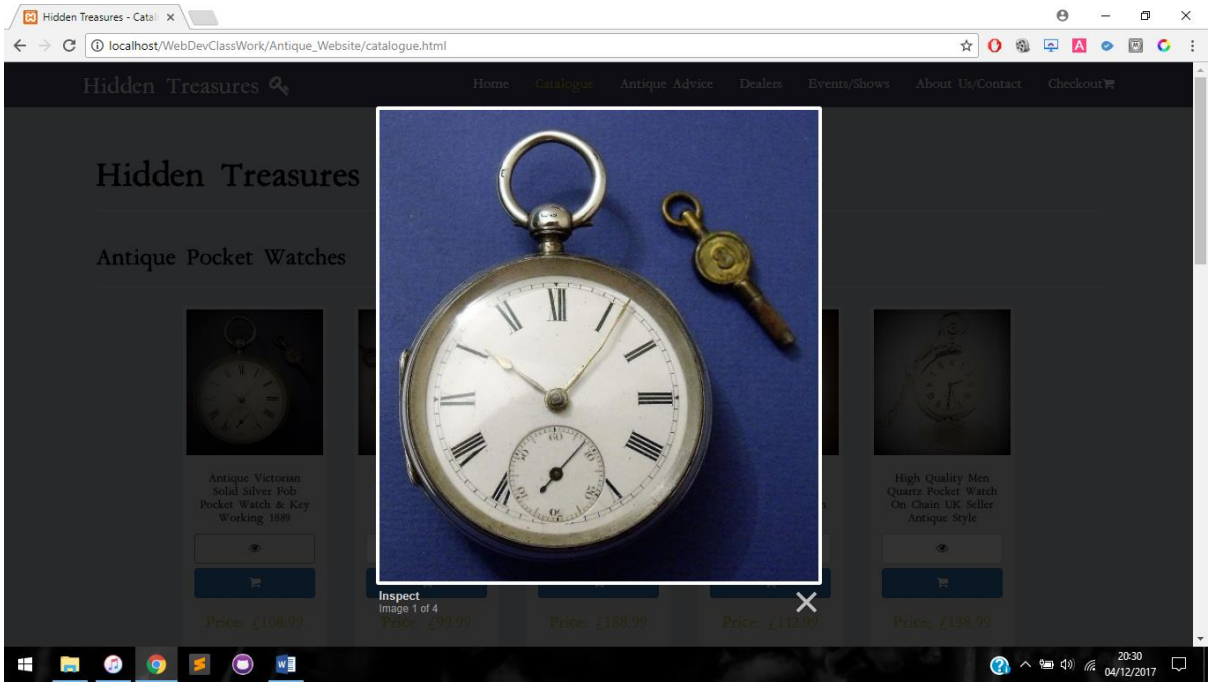


Figure 67: LightBox Gallery

Top of Page

Due to the website not having all in one screen functionality all pages require a degree of scrolling. A To Top of Page button was implemented using custom JavaScript/CSS and implemented in each page (See Highlighted).

Figure 68: Top of Page

Checkout

The “Checkout” page is separated into 3 sub sections

- **Details** (The user enters all relevant contact, payment, and shipping details)
- **Confirmation** (The user is presented their entered information and items ordered for revision)
- **Complete** (The user is notified their order has been placed and given a reference number)

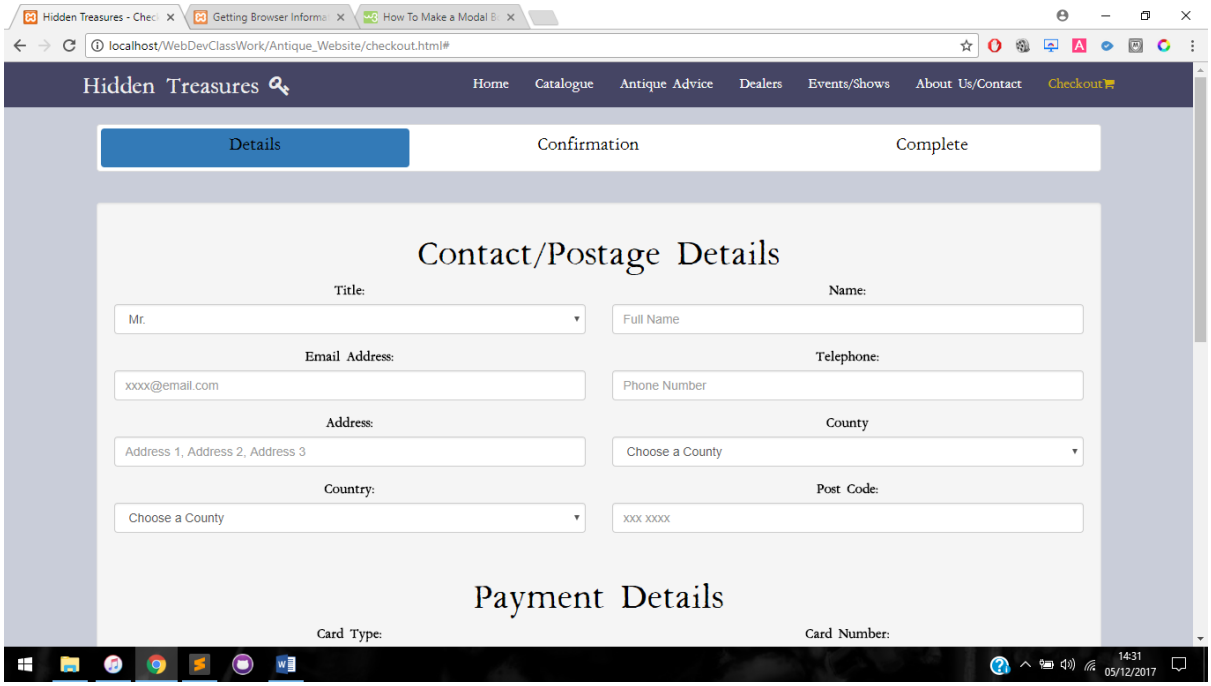


Figure 69: Checkout Page (Upper Details)

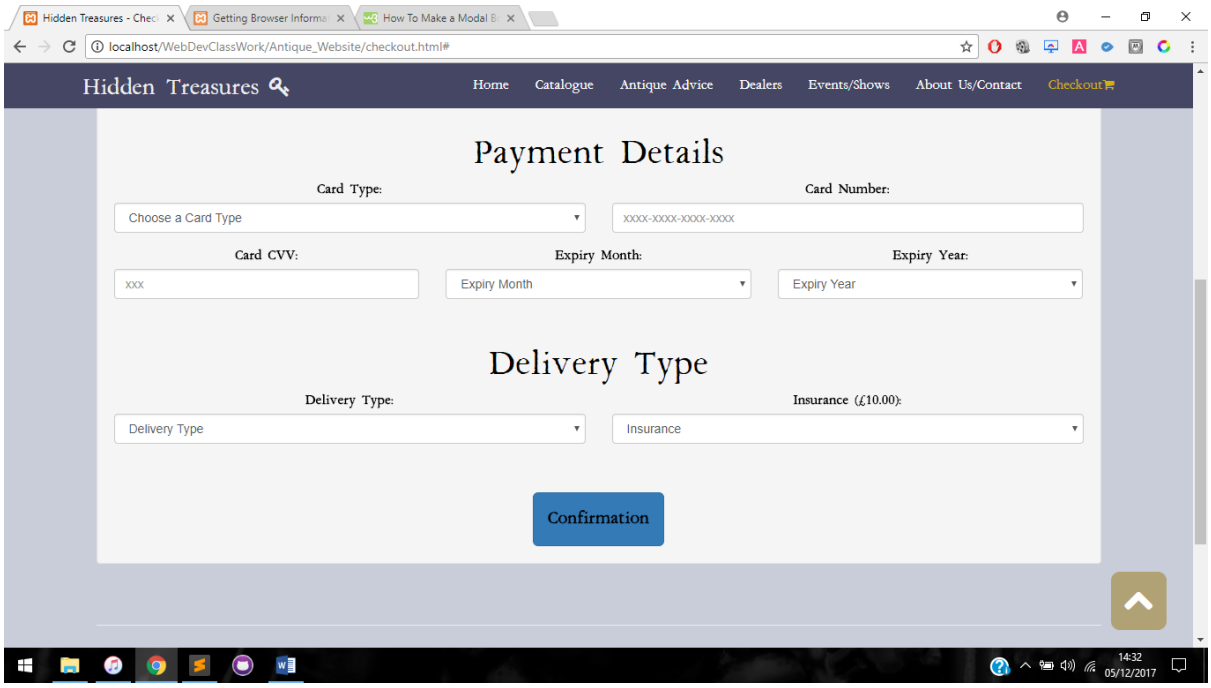


Figure 70: Checkout Page (Lower Details)

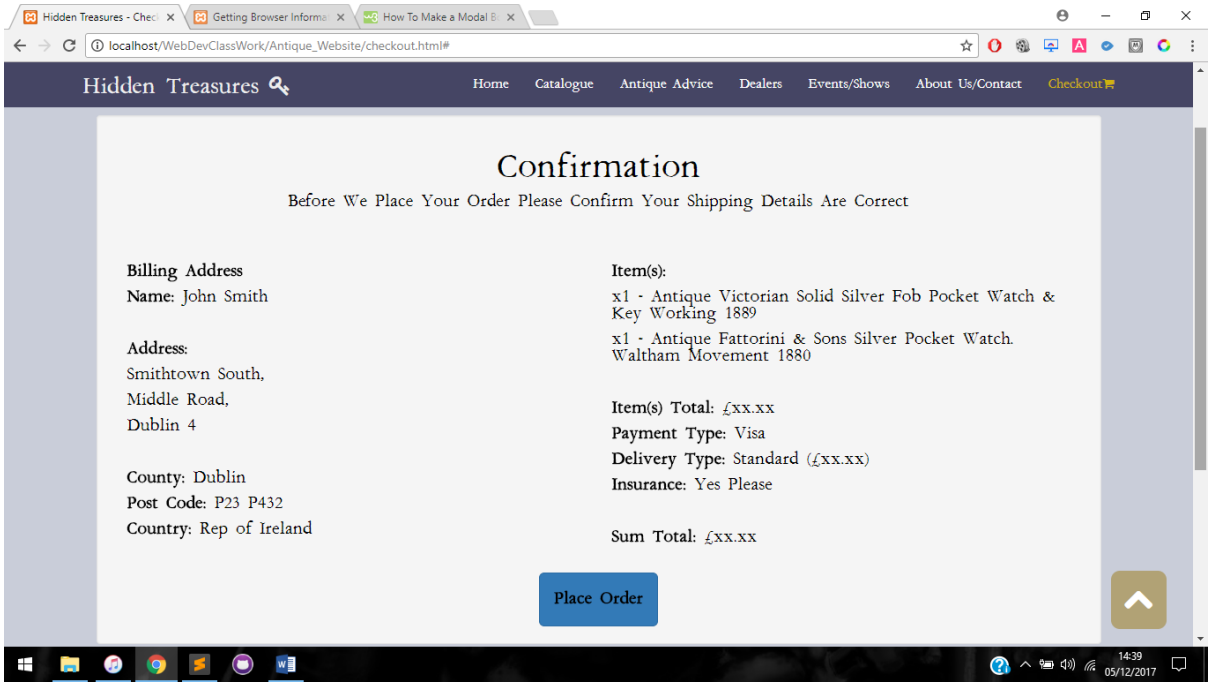


Figure 71: Checkout Page (Confirmation)

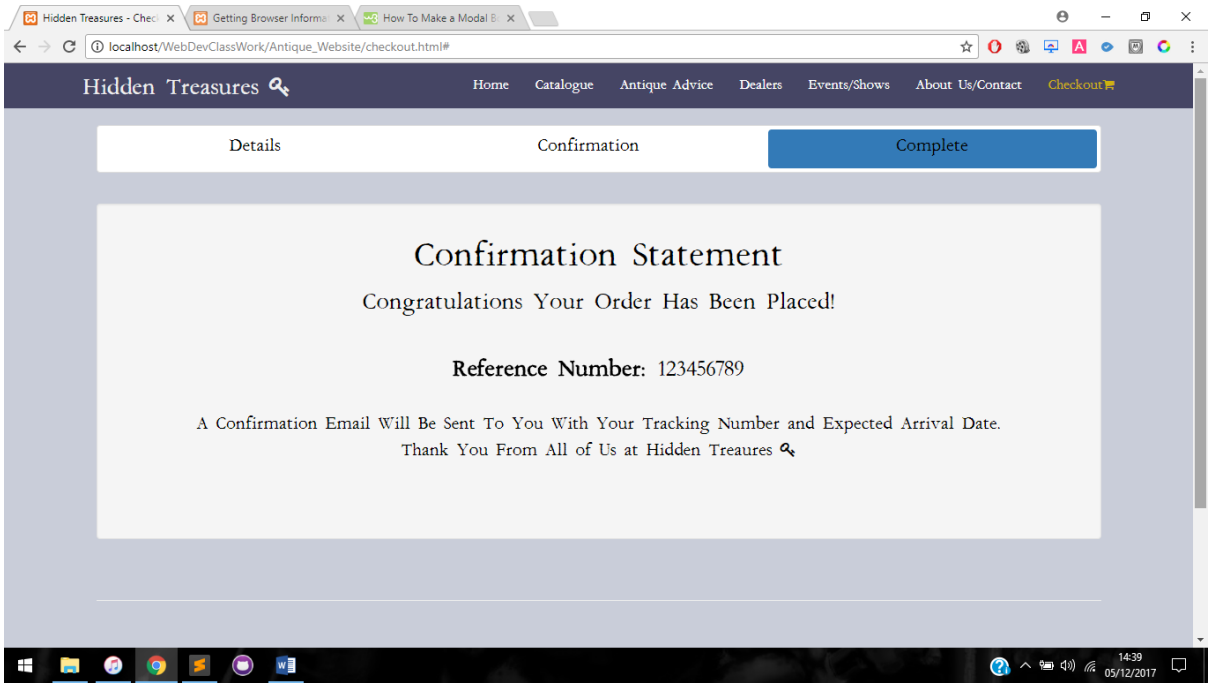


Figure 72: Checkout Page (Complete)

Note: No Local Storage referencing/extraction was required in the given brief... Although it was attempted, however it unfortunately was not successful.

The Background

The Folders

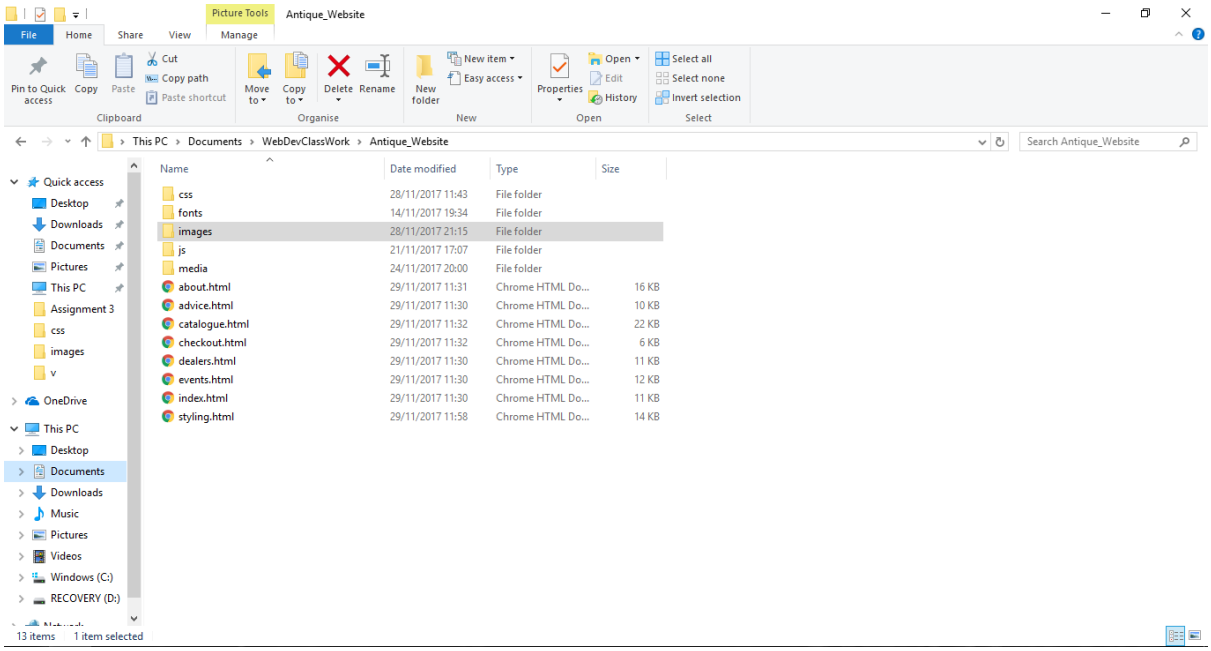


Figure 73: Folder Layout

As demonstrated above a tidy folder system was implemented separating and categorising all files accordingly.

The Code

The Website was created using HTML, CSS, and JavaScript coding languages. All custom code is original and no copy and pasting occurred during the construction of this website. However, The Bootstrap, Data table and Lightbox CSS/JS packages as well as jQuery were used to aid in the design portion of the website.

Note: All Code is available within the Assignment package for closer inspection.

The File Tree

Hidden Trasures Website Directory:

```
|   about.html
|   advice.html
|   catalogue.html
|   checkout.html
|   dealers.html
|   events.html
|   index.html
|   styling.html
|   tree.txt
|
+---css
|       bootstrap-theme.css
|       bootstrap-theme.css.map
|       bootstrap-theme.min.css
|       bootstrap-theme.min.css.map
|       bootstrap.css
|       bootstrap.css.map
|       bootstrap.min.css
|       bootstrap.min.css.map
|       custom.css
|       datatables.css
|       datatables.min.css
|       lightbox.css
|       lightbox.min.css
|       styling.css
|
+---fonts
|       Aquifer.otf
```

```
|       Aquifer.ttf
|       aquifer.zip
|       glyphicons-halflings-regular.eot
|       glyphicons-halflings-regular.svg
|       glyphicons-halflings-regular.ttf
|       glyphicons-halflings-regular.woff
|       glyphicons-halflings-regular.woff2
|       Readme.txt
|
+---images
|       aboutval.jpg
|       advice.jpg
|       advice2.jpg
|       adviceval.jpg
|       bugs.svg
|       catalogueval.jpg
|       checkoutval.jpg
|       chest.jpg
|       chest2.jpg
|       clontarf-castle-hotel.jpg
|       close.png
|       css1.jpg
|       css2.jpg
|       dealers.jpg
|       dealersval.jpg
|       deuteranopia.jpg
|       director.jpg
|       eventsval.jpg
|       indexval.jpg
|       loading.gif
```

```
|       morocco-private-desert.jpg
|       next.png
|       normal.jpg
|       Osprey-Exterior.jpg
|       prev.png
|       protanopia.jpg
|       royal-marine-hotel.jpg
|       sales.jpg
|       show.jpg
|       silver10a.jpg
|       silver1a.jpg
|       silver1a1.jpg
|       silver1b.jpg
|       silver1c.jpg
|       silver1d.jpg
|       silver2a.jpg
|       silver2a1.jpg
|       silver2b.jpg
|       silver2c.jpg
|       silver2d.jpg
|       silver3a.jpg
|       silver3a1.jpg
|       silver3b.jpg
|       silver3c.jpg
|       silver3d.jpg
|       silver4a.jpg
|       silver4a1.jpg
|       silver4b.jpg
|       silver4c.jpg
|       silver4d.jpg
```

| silver5a.jpg
| silver5a1.jpg
| silver5b.jpg
| silver5c.jpg
| silver5d.jpg
| silver6a.jpg
| silver6a1.jpg
| silver6b.jpg
| silver6c.jpg
| silver6d.jpg
| silver7a.jpg
| silver7a1.jpg
| silver7b.jpg
| silver7c.jpg
| silver7d.jpg
| silver8a.jpg
| silver8a1.jpg
| silver8b.jpg
| silver8c.jpg
| silver8d.jpg
| silver9a.jpg
| spec1.jpg
| spec2.jpg
| styleval.jpg
| teaset.jpg
| treasures.jpg
| trim-castle.jpg
| tritanopia.jpg
| watch1a.jpg
| watch1a1.jpg

```
|       watch1b.jpg
|       watch1c.jpg
|       watch1d.jpg
|       watch2a.jpg
|       watch2a1.jpg
|       watch2b.jpg
|       watch2c.jpg
|       watch2d.jpg
|       watch3a.jpg
|       watch3a1.jpg
|       watch3b.jpg
|       watch3c.jpg
|       watch3d.jpg
|       watch4a.jpg
|       watch4a1.jpg
|       watch4b.jpg
|       watch4c.jpg
|       watch4d.jpg
|       watch5a.jpg
|       watches.jpg
|
+---js
|       bootstrap.js
|       bootstrap.min.js
|       custom.js
|       datatables.js
|       datatables.min.js
|       jquery-3.2.1.js
|       jquery-3.2.1.min.js
|       lightbox.js
```

```
|       lightbox.min.js
|       npm.js
|
\---media
        SpongebobLaugh.avi
        SpongebobLaugh.mp3
        SpongebobLaugh.mp4
        SpongebobLaugh.ogg
        Web_Dev_8_Page_Design_(Assignment_3).pdf
```

Broken Links

Using ATOMSEO Broken Link Checker the website was analysed, and no broken links were found.

Figure 74: Broken Links

Validation and Sources

Validation

To keep with web development/design best practices, each of the HTML and “Custom” CSS/JS files were put through the W3C Validator. Some minor errors and warnings occurred with the websites interaction with Bootstrap, but the website remains fully functional. The following are the results found.

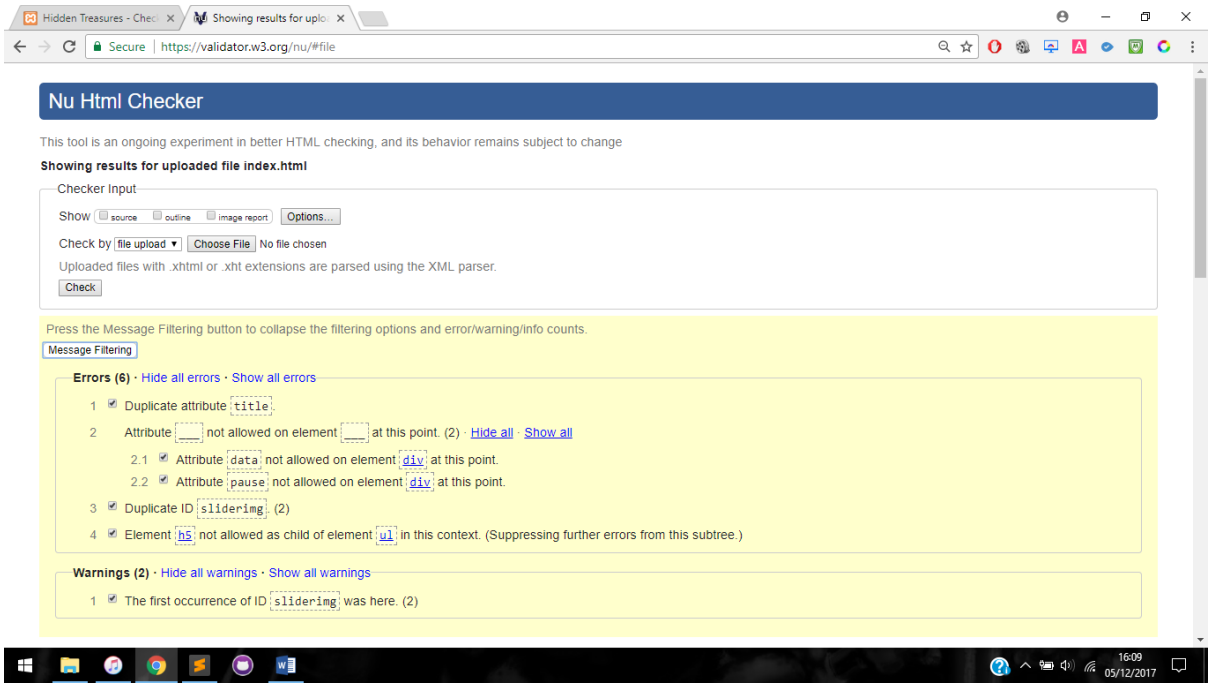


Figure 75: Validation (index.html)

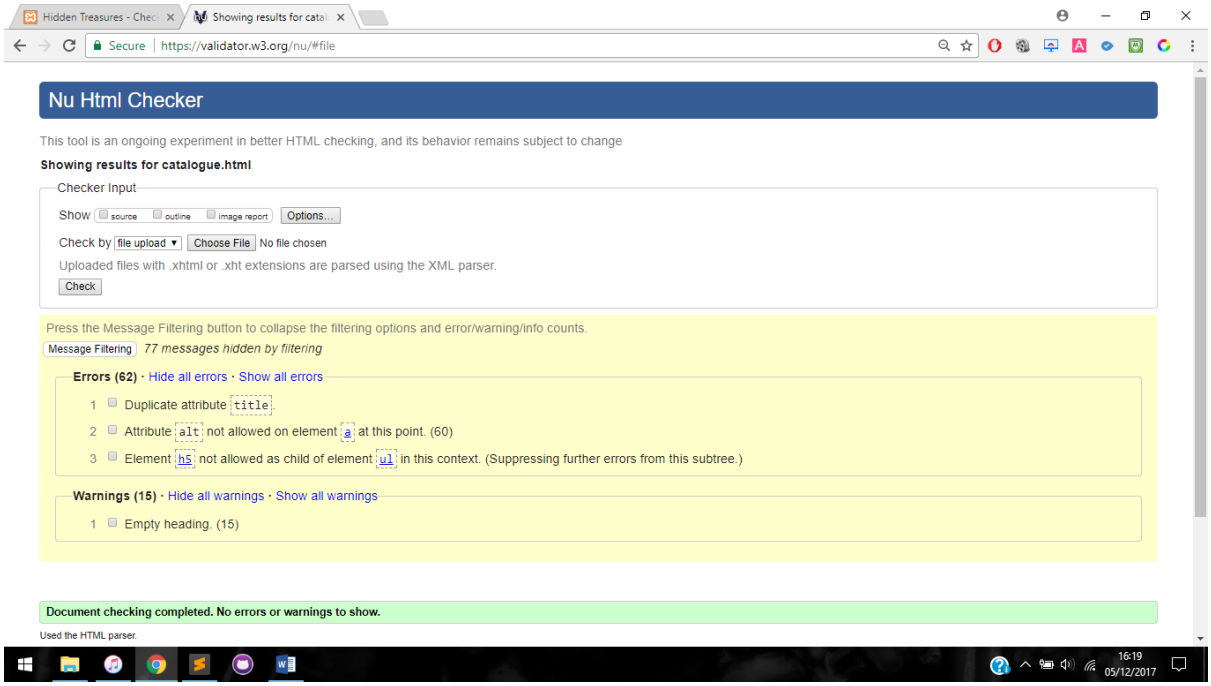


Figure 76: Validation (catalogue.html)

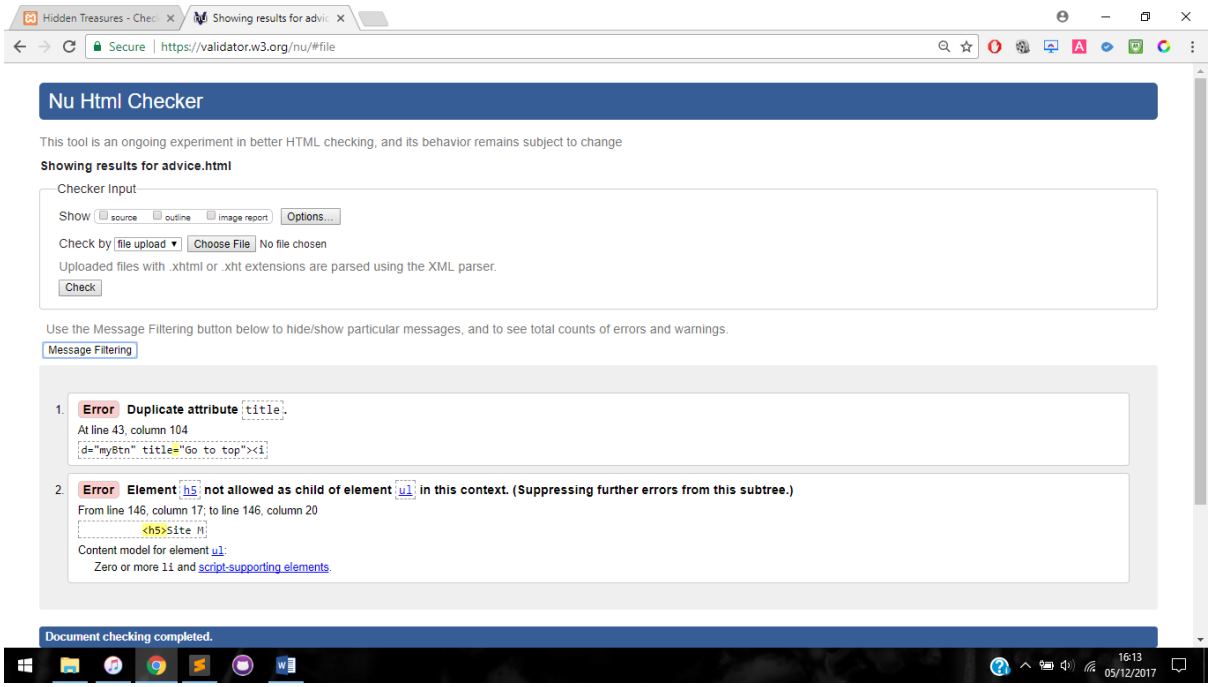


Figure 77: Validation (advice.html)

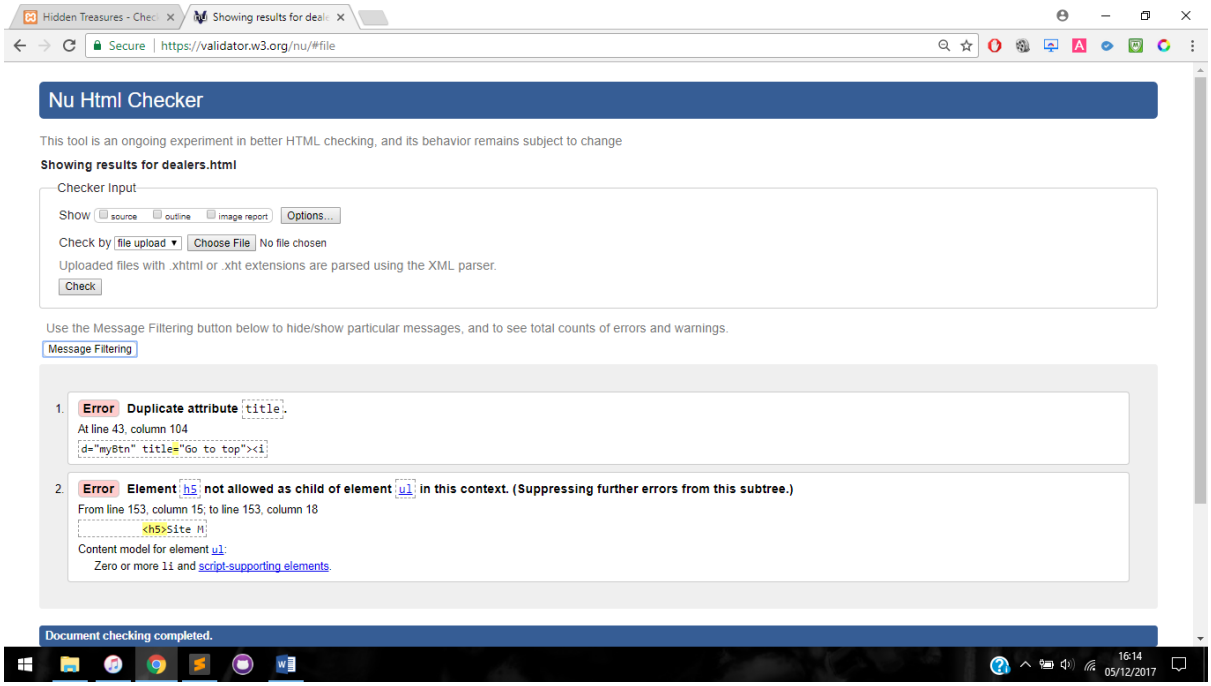


Figure 78: Validation (dealers.html)

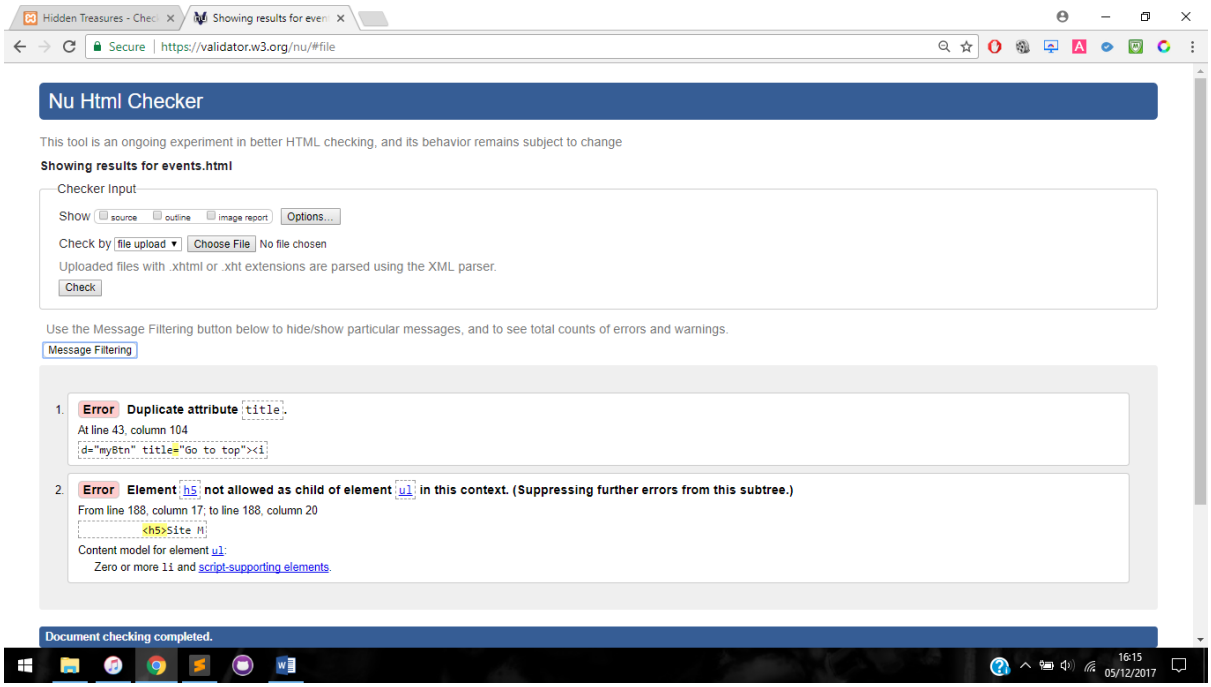


Figure 79: Validation (events.html)

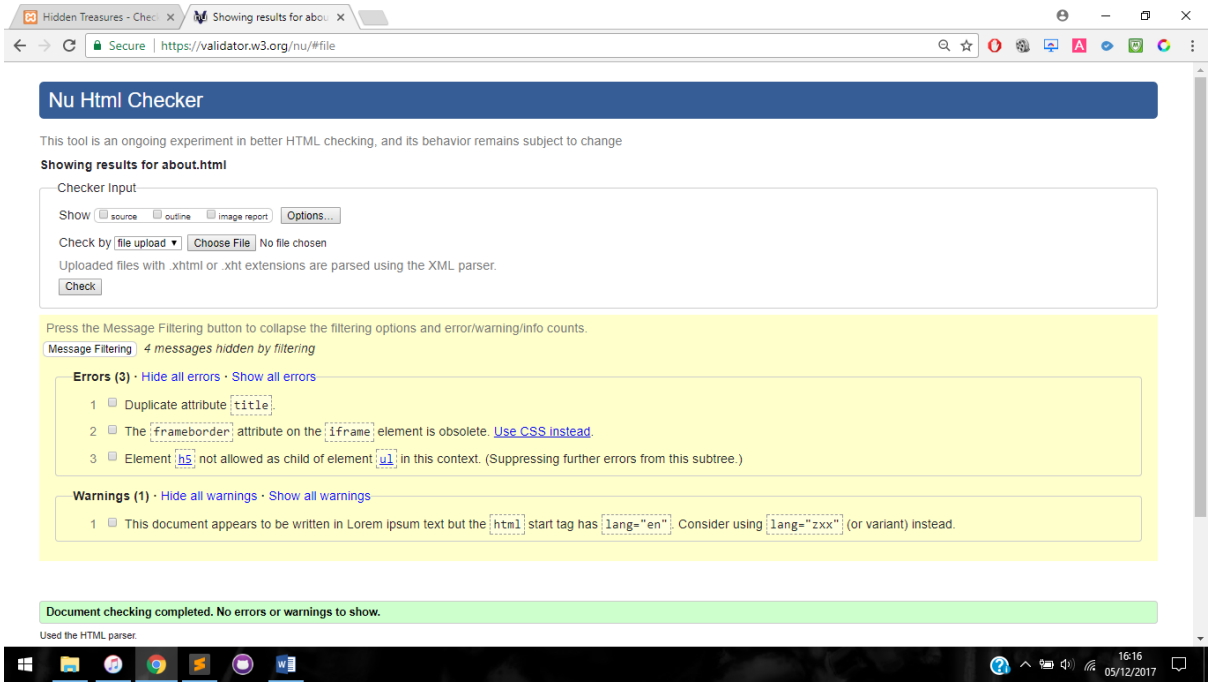


Figure 80: Validation (about.html)

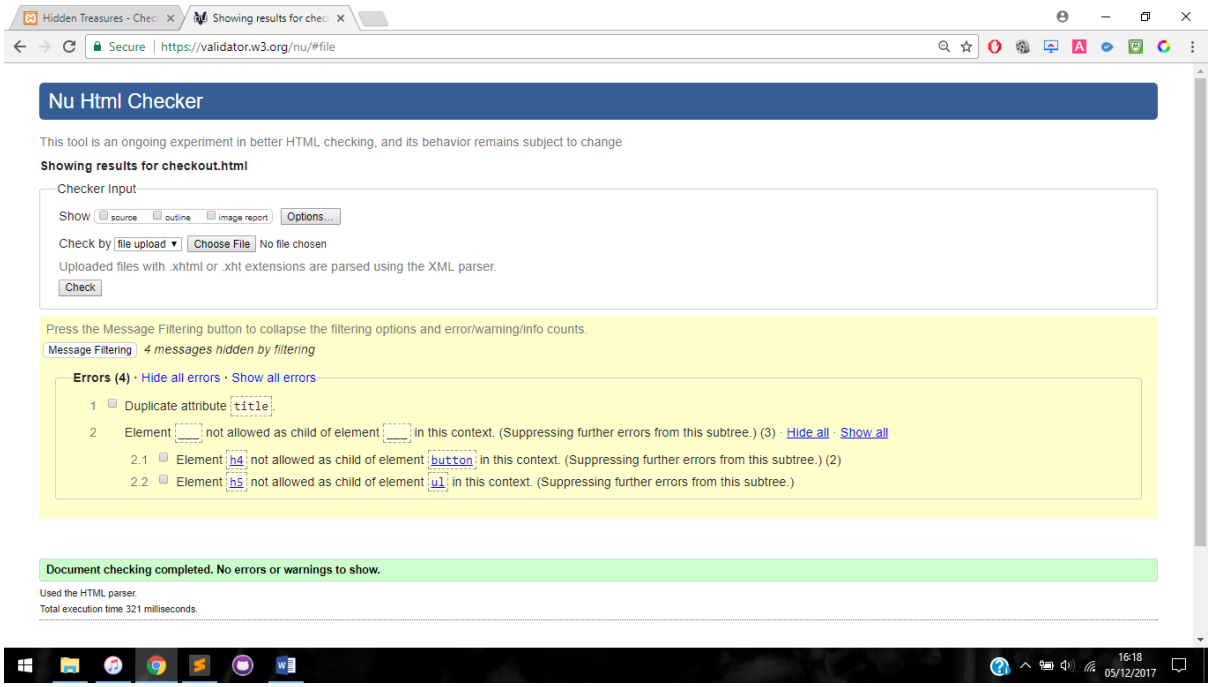


Figure 81: Validation (checkout.html)

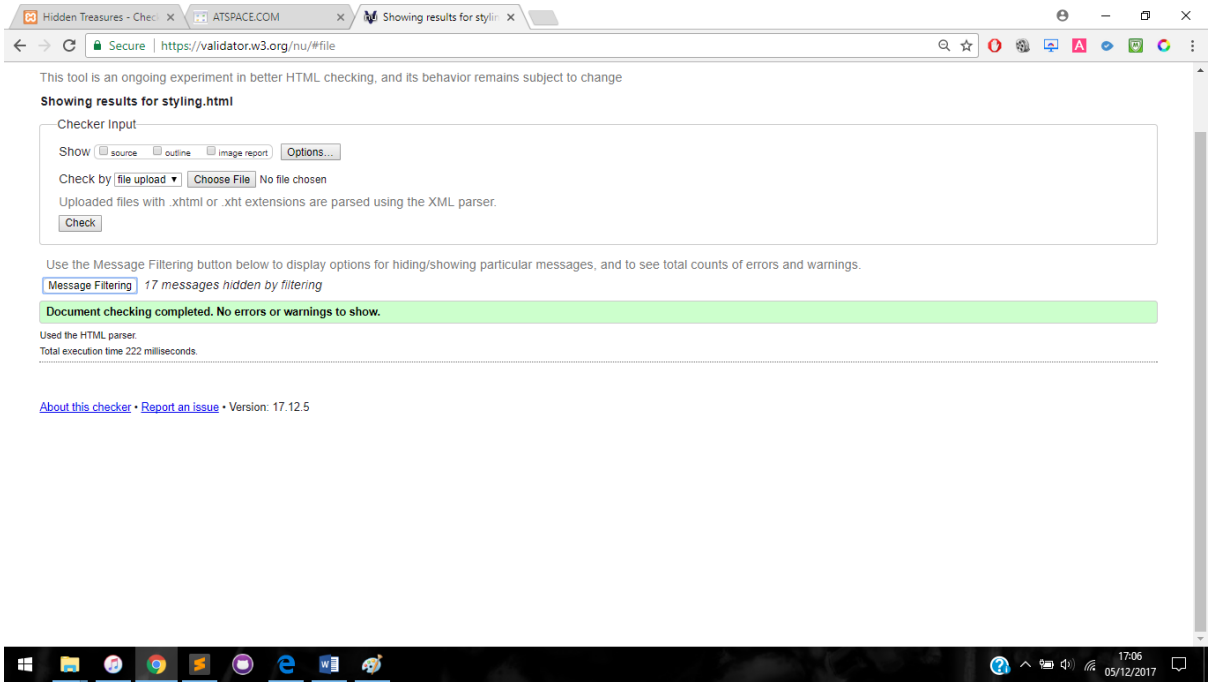


Figure 82: Validation (styling.html)

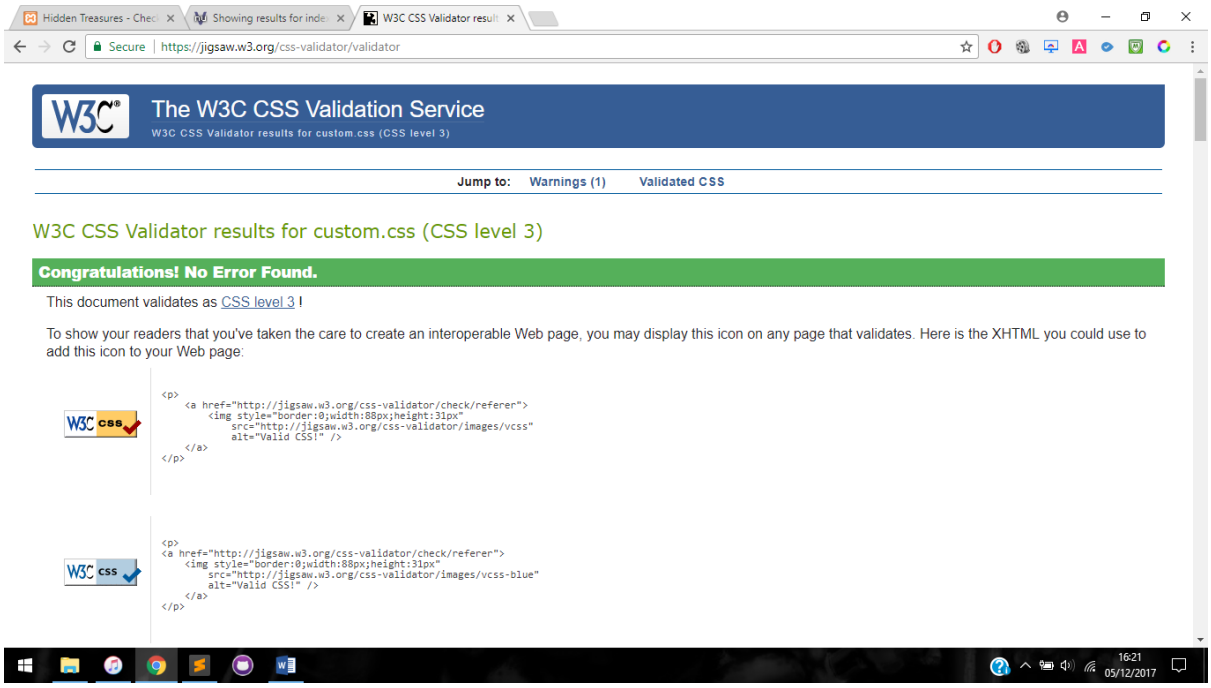


Figure 83: Validation (custom.css)

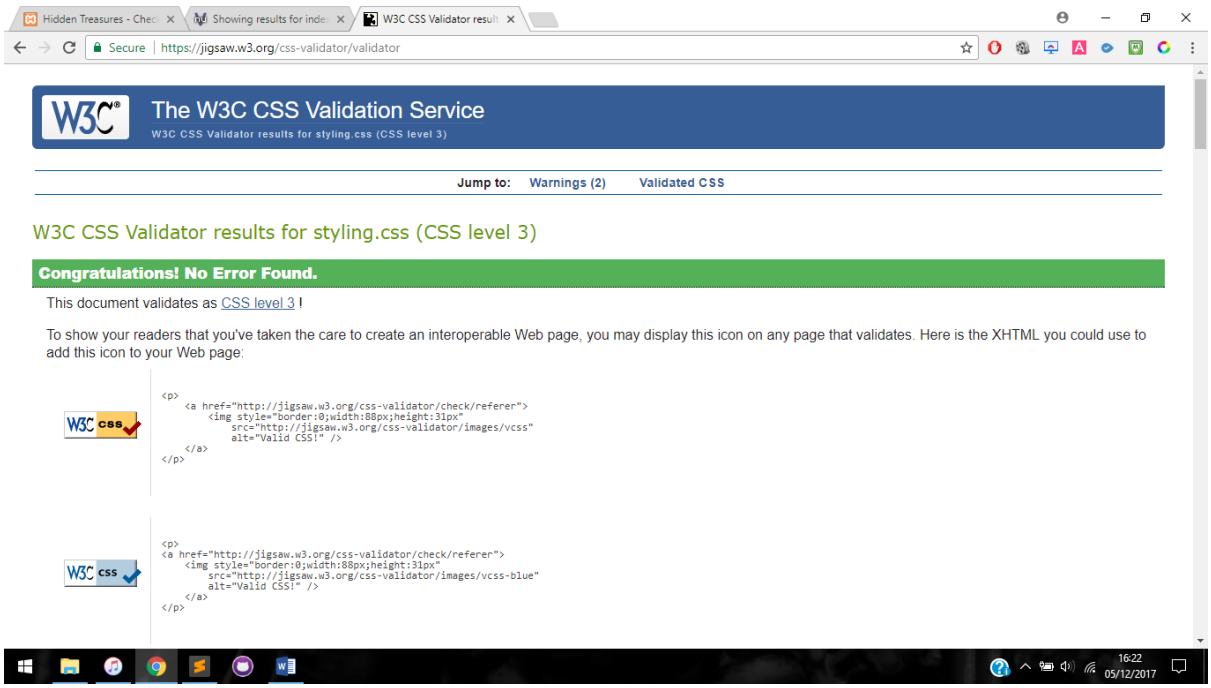


Figure 84: Validation (syling.css)

Sourcing/Licencing

During the construction of this website various image, literature and videos/audio were borrowed from external sources. The following is a table of each attribute used and its origin. Copy Right/Licencing varies from image to image but the general comment from each source is “Image **may** be copy righted”.

File (s)	Source	In Website
advice, advice 2	Google images	Home Page
silver1a, silver1a1, silver1b, silver1c, silver1d, silver2a, silver2a1, silver2b, silver2c, silver2d, silver3a, silver3a1, silver3b, silver3c, silver3d, silver4a, silver4a1, silver4b, silver4c, silver4d, silver5a, silver5a1, silver5b, silver5c, silver5d, silver6a, silver6a1, silver6b, silver6c, silver6d, silver7a, silver7a1, silver7b, silver7c, silver7d, silver8a, silver8a1, silver8b, silver8c, silver8d, silver9a, silver10a, watch1a, watch1a1, watch1b, watch1c, watch1d, watch2a, watch2a1, watch2b, watch2c, watch2d, watch3a, watch3a1, watch3b, watch3c, watch3d,	Ebay.ie	Catalogue Page

watch4a, watch4a1, watch4b, watch4c, watch4d. watch5a		
spec1, spec2, director, sales	Google images	About Us/Contact
morocco-private-desert, chest, chest2, dealers, teaset, treasures	tripadvisor.com	Home Page, Antique Advice Page, Styling Page
clontarf-castle-hotel	www.clontarfcastle.ie/	Events/Shows Page
Osprey-Exterior	www.ospreyhotel.ie/	Events/Shows Page
royal-marine-hotel	www.royalmarine.ie/	Events/Shows Page
trim-castle	www.trimcastlehotel.com/	Events/Shows Page

Videos/Audio were extracted from YouTube using Convert2mp3.net.

Publication

Hidden Treasures was uploaded to Atspace.com and the same folder structure was implemented within the file manage as the structure within Local Host.

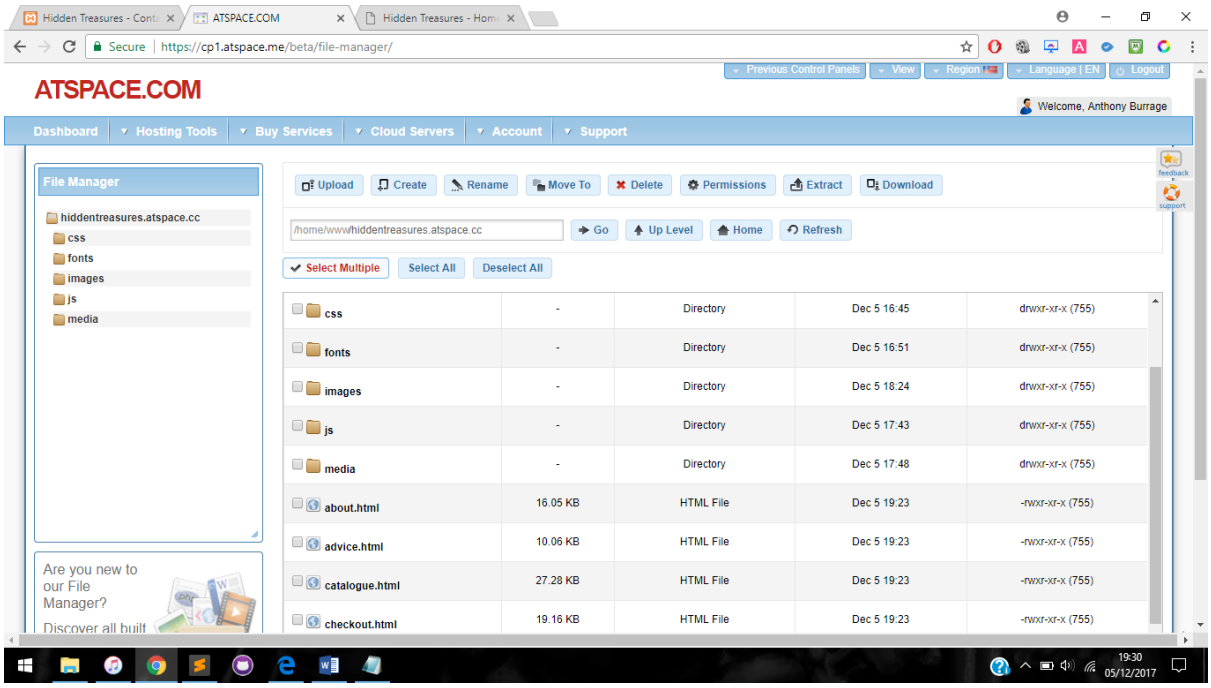


Figure 85: AtSpace.com (hiddentreaures.atspace.cc)

To view the website, click on the URL link below or copy it into the browser search bar.

URL: http://hiddentreasures.atspace.cc

Requirements Implemented

The following is a list of the features required from the given brief and where they were implemented. Each of these topics have been elaborated on previously but this is a location guide to each aspect.

960 Grid System – This features within all pages of the website and is fully responsive to Desktops, Tablets, and other Mobile Devices.

Styling Sheet – The link to this is located on the Footer of **all** pages and displays information on: Fonts, Validation, Video/Audio, Colour Theory, and SVG/Canvas/Raster Imagery.

Three Different Fonts – A Server based Font, OS based Font and Google based font were all implemented and feature together in the “Styling Sheet” page.

SVG/Canvas/Raster Imagery – Raster Imagery appears in most pages within the website but the three can be found together in the “Styling Sheet” page.

Lightbox – Lightbox functionality was implemented in the “Catalogue” page. On clicking the inspect button of each item a separate gallery will open.

Contact Form/Local Storage – A Contact Form with validation and CSS interaction is located on the About Us Contact Page. Once the submit button is clicked the information inputted in the separated fields is sent to local storage.

JavaScript Cookies – On entry to the website the user will be asked to accept the implementation of cookies. This will continue to appear on all pages until accepted.

Text – The site is made up of paragraphs, headings, and various other forms of text. Some Lorem was used.

Images – All images are listed in the section of this report “Sourcing/Licencing”.

Video/Audio – Video and Audio do not feature no not feature within the main structure of the website as they were not needed. However, for the purposes of this assignment they can be found in the “Styling Sheet” page.

Folder Structure – The assignment folder is called Antique-Website and has subfolders for all attributes (JavaScript, CSS, Media, Fonts, Images, and the individual HTML pages)

Conclusion

The Brief

The briefs specifications were met on all fronts and represents Antiques with respect and dignity they deserve. The website is clean, polished, easy to navigate and provides both dynamic and static interaction for an engaging experience. There is plenty of content for the user to look through without being too much to the point of overwhelming them. Functionally, website requirements were also met. As previously detailed contact forms, add to cart and lightbox all function correctly sending the appropriate data to local storage.

Note: For the purposes of this assignment content in the Catalogue, Events/Shows and Dealers pages were not over embellished, if this website were to go live then further content would have been added.

Responsivity

The website is fully responsive to all screen sizes (Desktop, Smart Phone, Tablet) while maintaining a clear layout and interaction. There are also some minor sizing issues with the items in the “Catalogue” page, the Google Map in the “About Us/Contact” page and the Table in the “Dealers” page ... unfortunately these were unable to be resolved fully.

The Code

The code is clean and is easily readable and to navigate through with a well laid out folder system.

Colour Blindness Results

Regarding colour blindness tests, all pages of the website were analysed using the Google Extension Spectrum with specific attention paid to the conditions Protanopia, Deuteranopia and Tritanopia. In each instance all pages passed and remained visually available to the user.

The Future

In future, further interaction will be implemented using PHP and JavaScript etc. Examples of which being a login system, forums, messaging etc. This will allow buyers and admires of antiques to interact more and allow discussion. A Login System will also be implemented so users may have a more personalised experience. This can be accomplished with the use of PHP.

Local Storage interaction with the Contact Form was successful as required from the brief and similar methods were attempted with sending items from the “Catalogue” page to local storage and displayed in the Confirmation section of the Checkout... However, this was not successful but will be investigated further in future.

List of Figures

Figure 1: First Impression Irish Antique Dealers Association page 6

Figure 2: First Impression Irish Antique Dealers Association page 7

Figure 3: Dealers List Irish Antique Dealers Association page 8

Figure 4: Footer Irish Antique Dealers Association page 9

Figure 5: Products Irish Antique Dealers Association page 9

Figure 6: Product Information Irish Antique Dealers Association page 10

Figure 7: First Impression My Antiques page 11

Figure 8: First Impression My Antiques page 12

Figure 9: Dealers List My Antiques page 13

Figure 10: Footer My Antiques page 14

Figure 11: Products My Antiques page 15

Figure 12: Products Information My Antiques page 15

Figure 13: More Product Information My Antiques page 16

Figure 14: Decorative Collective page 17

Figure 15: The Internet Antique Shop page 17

Figure 16: Selling Antiques page 18

Figure 17: The British Antique Dealers Association page 18

Figure 18: Conceptual Home Page page 22

Figure 19: Conceptual Catalogue page 23

Figure 20: Conceptual Dealers page 23

Figure 21: Conceptual Events/Shows page 24

Figure 22: Conceptual About Us/Contact page 24

Figure 23: Conceptual Antique Advice page 25

Figure 24: Conceptual Checkout page 25

Figure 25: Conceptual Styling Sheet page 26

Figure 26: Wireframe Responsive Design page 28

Figure 27: Desired Colour Scheme page 30

Figure 28: Protanopia Colour Blind Test page 30

Figure 29: Deuteranopia Colour Blind Test page 31

Figure 30: Tritanopia Colour Blind Test page 31

Figure 31: Chosen Font and Logo page 32

Figure 32: Home Page (Upper) page 33

Figure 33: Home Page (Lower) page 34

Figure 34: Catalogue Page page 35

Figure 35: Antique Advice Page (Upper) page 35

Figure 36: Antique Advice Page (Lower) page 36

Figure 37: Dealers Page (Upper) page 37

Figure 38: Dealers Page (Lower) page 37

Figure 39: Event/Shows Page page 38

Figure 40: About Us/Contact Page (Upper) page 38

Figure 41: About Us/Contact Page (Lower) page 39

Figure 42: Styling Page (Fonts) page 40

Figure 43: Styling Page (HTML/CSS/JavaScript Validation) page 40

Figure 44: Styling Page (Colour Theory) page 41

Figure 45: Styling Page (Video/Audio) page 41

Figure 46: Styling Page (SVG/Canvas/Raster) page 42

Figure 47: Navigation page 43

Figure 48: Footer page 43

Figure 49/50: Responsive Design (Home Page) page 44

Figure 51/52: Responsive Design (Catalogue Page) page 45

Figure 53/54: Responsive Design (Antique Advice Page) page 45

Figure 55/56: Responsive Design (Dealers Page) page 46

Figure 57/58: Responsive Design (Events/Shows Page) page 46

Figure 59/60: Responsive Design (About Us/Contact Page) page 47

Figure 61/62: Responsive Design (Navigation/Footer) page 48

Figure 63: Cookies page 49

Figure 64: Validation (Contact Form) page 49

Figure 65: Local Storage (Contact Form) page 50

Figure 66: Inspect Button (As Highlighted) page 51

Figure 67: LightBox Gallery page 51

Figure 68: Top of Page page 52

Figure 69: Checkout Page (Upper Details) page 53

Figure 70: Checkout Page (Lower Details) page 53

Figure 71: Checkout Page (Confirmation) page 54

Figure 72: Checkout Page (Complete) page 54

Figure 73: Folder Layout page 55

Figure 74: Broken Links page 61

Figure 75: Validation (index.html) page 62

Figure 76: Validation (catalogue.html) page 63

Figure 77: Validation (advice.html) page 63

Figure 78: Validation (dealers.html) page 64

Figure 79: Validation (events.html) page 64

Figure 80: Validation (about.html) page 65

Figure 81: Validation (checkout.html) page 65

Figure 82: Validation (checkout.html) page 66

Figure 83: Validation (custom.css) page 66

Figure 84: Validation (syling.css) page 67

Figure 85: Hidden Treasures Live Online page 70

XML Site Map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