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Introduction

HTML5 CSS3 JS Bootstrap 4

Certificate



Planning

- Expected Time: 60h (50h flow with course and 10h practices)
- Finish day: 23/08/2018

Day 1: 12/08/2018

Today's progress

- Finish Section 1: Overview course Build 3 Real World Websites Using HTML5, CSS3, JS, Bootstraps 4.
- Finish Section 2: Setup editor.
- Finish Section 3: Learning how to use Photoshop in slice websites

Thoughts: i am interesting this course

Link(s) to work:

1. [Section 1](#)
2. [Section 2](#)
3. [Section 3](#)

Day 2: 13/08/2018

Today's progress

- Finish Section 4: Learning use Bootstrap 4

Thoughts:

- Using Bootstrap save time code
- Responsive very cool
- You can use css and instead of utility class but these classes buy you some time and reduce the amount of css that your run.

Link(s) to work:

1. [Section 4](#)

Day 3: 14/08/2018

Today's progress

- Finish Section 5: Learning Perprocessors Sass and Less
 - DRY principle (don't repeat yourself)
 - Variables
 - Maxins
 - Functions
 - Maintainability
 - Readability
 - Natural Extension
- Finish Section 6: Trello The Project Manager
 - Trello keeps track of everything
- Finish Section 7: OpenCharity Overview
 - Overview require of a website
- Finish Section 8: Prepare File
 - Step-by-step prepare file for project
 - Using Trello to keep track work
 - Make structure project's folder
- Finish Section 9: Linking File + Implementing Style sheet
 - Link file and font
 - Making some variables for color and font

Thoughts:

- Using SASS and Less is save code
- Should see general before code
- Keep track the process while working

- How to use Photoshop export image and font
- Using less helps to better reuse code

Link(s) to work:

1. [Section 5](#)
2. [Section 6](#)
3. [Section 7](#)
4. [Section 8](#)
5. [Section 9](#)

Day 4: 15/08/2018

Today's progress

- Finish Section 10: Nav Bar - Part 1
 - Implement HTML for navbar
- Finish Section 11: Nav Bar - Part 2
 - Using jQuery make animation when scroll
- Finish Section 12: Header - Part 1
 - Implement HTML for header
 - It consists of two main parts
- Finish Section 13: Header - Part 2
 - Implement CSS to header
- Finish Section 14: Get Involved section
 - Implement UI for Get Involved section

Through

Link(s) to work

1. [Section 10](#)
2. [Section 11](#)
3. [Section 12](#)
4. [Section 13](#)
5. [Section 14](#)

Day 5: 16/08/2018

Today's progress

- Finish Section 15: Mission section
- Finish Section 16: Member section
- Finish Section 17: Event section
- Finish Section 18: Blog section
- Finish Section 19: Contact section and Footer

Through

- Bootstrap Carousel is old slider and can't be easily customized.

Link(s) to work

1. [Section 15](#)

2. [Section 16](#)
3. [Section 17](#)
4. [Section 18](#)
5. [Section 19](#)

Day 6: 17/08/2018

Today's progress

- Finish Section 20: Enhancements
 - Animate.css library
- Finish Section 21: Testing
 - Testing performance website, bug, optimize file
- Finish Section 22: Repo
 - Overview how to make OpenCharity project
- Finish Section 23: 404 Overview
- Finish Section 24: 404 Prepare File

Through

- Test website is important
- Optimize the picture helps performance very fast

Link(s) to work

1. [Section 20](#)
2. [Section 21](#)
3. [Section 22](#)
4. [Section 23](#)
5. [Section 24](#)

Day 7: 18/08/2018

Today's progress

- Finish Section 25: 404 Start Code
 - Implement UI
 - Style page
 - Add animation
- Finish Section 26: Recap
 - A few other ways for 404 page
- Finish Section 27: Merkury Overview
 - Overview how to make Merkury project
- Finish Section 28: Prepare Files
 - Apply Trello steps
- Finish Section 29: Linking Files
 - define variables for font and color in style.less
 - use bootstrap 4, popper.js, jquery.js in project
- Finish Section 30: Navbar Part 1
 - Implement UI nav bar
 - Make nav bar by template nav bar in bootstrap 4 component

- Finish Section 31: Navbar Part 2
 - Implement animation for UI navbar by jquery

Through

- Using `z-index`, `@keyframes`, `position` to this page.
- The jQuery API is great
- Make animation for page by `@keyframes`

Link(s) to work

1. [Section 25](#)
2. [Section 26](#)
3. [Section 27](#)
4. [Section 28](#)
5. [Section 29](#)
6. [Section 30](#)
7. [Section 31](#)

Day 8: 19/08/2018

Today's progress

- Finish Section 32: Header
 - Implement UI for header
- Finish Section 33: Services Section
 - Implement UI for services section
- Finish Section 34: Features Section
 - Implement UI for features section
- Finish Section 35: Drag and Drop Section part 1
 - Implement IO for drag and drop section
- Finish Section 36: Drag and Drop Section part 2
 - Improved UI for drag and drop section.
 - Using jQuery UI create action for task.

Through

- `@keyframes` make animation easy
- jQuery ui makes dragging and dropping simple.

Link(s) to work

1. [Section 32](#)
2. [Section 33](#)
3. [Section 34](#)
4. [Section 35](#)
5. [Section 36](#)

Day 9: 20/08/2018

Today's Progress

- Finish Section 37: Template Section
 - Implement UI for Template section

- Finish Section 38: Pricing Section
 - Implement UI for Pricing section
- Finish Section 39: Join - Section + Footer
 - Implement UI for Join section and Footer

Throughput

- Remind of `::before` `display: inline` `display: flex`

Link(s) to work

1. [Section 37](#)
2. [Section 38](#)
3. [Section 39](#)

Day 10: 21/08/2018

Today's progress

- Finish Section 40: Enhancements
 - Fix bug UI in small devices
 - Effects when scrolling pages
- Finish Section 41: Testing
 - Compressing images.
 - Cross browser testing.
 - static sites host.
 - W3C markup validation server.
 - Website speed test.
 - Deploy website in biballoon.com
- Finish Section 42: Recap
 - Summarizes the code Merkury project process.
- Finish Section 43: Important Tips
 - Have three directions after learning this course

Throughput

- CSS effect is quite interesting
- I was test build and deploy, directly from my GitLab repository.

Link(s) to work

1. [Section 40](#)
2. [Section 41](#)
3. [Section 42](#)
4. [Section 43](#)

Day 11: 26/08/2018

Today's progress

- Folder Structure include:
 - assets:
 - img
 - font

- styles
- script
- Finish html before code css.
- Using extension 'pixelperfect' or code to check distance elements.

Throughout

- HTML CSS is not as simple as i thought.

Link(s) to work

Day 12: 27/08/2018

Today's progress

- Create folder structure for project
- Learn more about the functionality of each folder

Throughout

- Should detail the tasks of each file in each folder

Link(s) to work

- [Day 1](#)

Day 13: 06/09/2018

Today's progress

- Apply pixelperfect to merkury page
- Learn more about HTML CSS

Throughout

- Understand the use of margin and padding in CSS
- Not confuse class name
- The order of restricting the use of z-index tags

Link(s) to work

- [Day 2](#)

Day 14: 12/09/2018

Today's progress

- Visual regression test
- Production build

Throughout

- Visual regression test:
 - Apply regression test and its importance in frontend development
 - [Jest](#) to test all Javascript
 - [Selenium WebDriver](#)
 - [Puppeteer](#)

- PhantomJS
- After the test, if there is a difference, there are two options:
 - Reject code if too much deviation from the template
 - Accepted to meet according to code logic
- Production build
 - Have two environment:
 - Staging:
 - Dev and localhost:
 - Fast to build
 - Debuggable
 - Production:
 - Fast to run
 - Because: minify HTML, CSS, JS and obfuscate JS
 - CSS: Critical/ above the fold, remove unused CSS

Link(s) to work

- none

Why this course and Course plan

Overview

- Overview the course and plan

Details

Why this course

- Những công nghệ học được từ course đều được áp dụng vào website
- Hướng dẫn tạo responsive và từng bước một sử dụng photoshop
- Enhancement gồm có Responsive và Compressing image
- Test:
 - Cross browser test
 - Markup validation server
 - Performance
- Build 3 stunning responsive websites
- Explain + apply many difference technology to website

Course Plan

Goal of this course:

- Convert 3 file PSD
- Code 3 stunning websites
- Build 3 responsive websites

Photoshop

- Use Photoshop
- Get color and font
- Explain the most common tool of adobe photoshop
- Control layers and useful short cuts...

Bootstrap 4

- Introduction of bootstrap 4 and grid systems
- use components like forms, input, card,...
- Further explain most common bootstrap 4 classis

Sass & Less CSS preprocessor

- What is a preprocessor?
- Why should use?
- Differences between Sass and Less
- How to install it
- Feature of Less and Sass

Trello

- What is it?
- Why use it?
- How can use it in to our project

While we are working with this websites you will learn how to:

1. Prepare your website files
2. Write reusable code with comments for section
3. Use the Less preprocessor
4. Use some of the bootstrap 4 components
5. How to make scroll as well as smooth code
6. Write jQuery animation
7. Use a plugin call a Slider and customize your slider
8. Use animate CSS library to animation some elements
9. After we are going to check responsive and Performance of websites

404 - penguins page

- Advanced CSS keyframes animation and positoning

Merkury Website

2 projects

1. How to make an advanced animations
2. Use bootstrap 4 utility classis
3. Use CSS before and after seletors
4. How to combine between bootstrap 4 cards and dropdown and customize themes
5. Learn how to use jQuery UI library
6. Learn how to use scroll plugin to animate elements white scrolling
7. Finish solutions working around
8. After we finish check responsive website and performance

Bookmark

- None

Editor

Overview

- Introduction VSCode Editor

Details

why choose **Visual studio**: - Có sẵn cả trên Windows, Mac, Linux - Hỗ trợ terminal đi kèm trong từng file code
 - Auto complete - Emmet tăng tốc độ code - Hỗ trợ nhiều Extensions giúp dễ dang code Sass, Less -
 Recommend 2 plugin cho Sass: - Live Sass compiler - Sass

Bookmark

- [Link Download VSCode](<https://code.visualstudio.com/Download>)

Photoshop

Overview

- Step by step use Adobe Photoshop

Details

- Sử dụng photoshop để cắt các layout websites
 - Tạo file mới: Ctrl + N
 - Mở file có sẵn: Ctrl + O
 - Zoom: Z
 - Lấy được các khoảng cách giữa các vị trí: M
 - Lấy được màu: S
 - Font chữ, size chữ: T
 - Crop hình: C
 - Move layout: V

Bookmark

- [Get step-by-step instructions](<https://helpx.adobe.com/photoshop/user-guide.html>)

Bootstrap 4

Overview

- What is bootstrap
- What does the bootstrap include?

Details

- Bootstrap is an framework and open source toolkit for developing with HTML, CSS and Javascript
- Bootstrap is used to build responsive mobile on the web

GIRD SYSTEM

- uses a series of containers rows and columns to layout and content its built with flexbox
- consists:
 - **container** are the most basic layout element
 - **container fluid** used for a full width container spanning the entire width of the viewport
 - **rows** are simply wrappers for columns use rows. Allows up to 12 columns
 - **columns** have four classes. it is support multi width viewport

Components

- Some important bootstrap components like:
 - **Buttons** Bootstrap provide different styles of buttons like Primary, Secondary, Success, Danger,

Warning, Info, Light, Dark.

■ using class `btn btn-primary` `btn btn-secondary` `btn btn-success` `btn btn-danger` `btn btn-warning`
`btn btn-info` `btn btn-light` `btn btn-dark`

■ **Cards** consists:

■ defined card class `card`
■ image top `card-img-top`
■ title `card-title`
■ content `card-text`
■ button link `btn`

■ **Drop downs** is a global menu, the user to choose one value from a predefined list

■ defined dropdown class `dropdown`
■ button `btn` have id
■ menu `dropdown-menu` use attribute `aria-labelledby` equal id
■ item `dropdown-item`

■ **Forms** have two style:

■ Stack form have syntax: `class="form-group"`
■ Inline form is: `class="form-inline"`

■ **Nav bar** is placed at the top of the page

■ **Scrollspy bar**

Utilites

- Utilites help class to quickly style element without using any css
- Utilites consists:

■ Borders
■ Clearfix
■ Colors
■ Flex
■ Float
■ Text
■ Position
■ Shadows
■ Spacing

Tip: You can use css and instead of utility class but these classes buy you some time and reduce the amount of css that your run.

Bookmark

[Bootstrap 4 docs](#)

Preprocessors SASS vs LESS

Overview

- What is LESS and SASS?
- Difference between LESS vs SASS?
- How to use?

Details

- Syntactically Awesome Stylesheets (Sass) and Leaner CSS (LESS) are both CSS preprocessors
 - Both Sass and LESS compile into CSS stylesheets so that browsers can read them, which is a necessary step because modern browsers cannot read .sass or .less file types
1. SASS is in Ruby. LESS is in Javascript
 2. To assign variables: SASS uses \$; LESS uses @
 3. SASS has Compass, LESS has Preboot
 4. LESS has better Error messages than SASS

Feature of preprocessors

1. Variables

LESS

```
@width: 10px;  
@height: @width + 10px;
```

SASS

```
$width: 10px;  
$height: $width + 10px;
```

2. Nested rules

LESS

```
#header {  
    color: black;  
    .navigation {  
        font-size: 12px;  
    }  
    .logo {  
        width: 300px;  
    }  
}
```

SASS

```
#main p {  
    color: #00ff00;  
    width: 97%;  
  
    .redbox {  
        background-color: #ff0000;  
        color: #000000;  
    }  
}
```

1. Mixins

Mixins allow you to define styles that can be re-used throughout the stylesheet without needing to resort to non-semantic classes

LESS

```
#menu a {  
    color: #111;  
    .bordered();  
}  
  
.post a {  
    color: red;  
    .bordered();  
}
```

SASS

```
@mixin large-text {  
    font: {  
        family: Arial;  
        size: 20px;  
        weight: bold;  
    }  
    color: #ff0000;  
}  
  
.page-title {  
  
    @include large-text;  
    padding: 4px;  
    margin-top: 10px;  
}
```

2. Extends
3. Inline Imports

Using Sass:

- Add extensions:
 - LESS: Easy LESS
 - SASS: Live Sass Compiler
- Applications:
 - Recommand: Koala because it is free and support Linux, Window and Mac
- Command Line:
 - In Windows `choco install sass`
 - Other [Read more here](#)

Bookmark

- Difference between LESS and SASS
- LESS docs
- SASS docs

Trello

Overview

- Why use Trello?
- How to use?

Details

- Why use trello?
 - It's free.
 - Trello keeps track of everything
 - Using cards to organize tasks and visualize progress
 - Allow add members to projects
 - Keep your clients or the project progress
- How to use:
 - Step 1: Create Board
 - Step 2: Add List. Example To do In progress Test Done
 - Step 3: Add cards to List

Bookmark

- Go to [Trello](#) now.

OpenCharity Overview

Overview

- Build website OpenCharity

SHARING IDEAS FOR CHARITIES

Many charities' goals are similar, as is the functionality we require, but little shared working takes place.

By working together, driving shared areas of interest and influencing open source developments we can bring efficiencies, improve the digital experience for our users, and have great impact.

Together we can make a bigger difference.

Next Event: June 23rd 2016 18:30 - 21:00

Cancer Research UK, Angel Building, 407 St John Street, London EC1V 4AD

[REGISTER](#)

GET INVOLVED



WE DO MEETINGS

We organise our meetings through the OpenCharity MeetUp group

[MEETUP GROUP](#)



WE COLLABORATE

OpenCharity have a slack group for daily collaboration

[SLACK GROUP](#)



WE SHARE

We have a Google Group set up to share tools and documents

[GOOGLE GROUP](#)

OUR MISSION

Charities and Partners collaborating and sharing open solutions and ideas to create value in the digital space.

If you are a charity or a supplier, we are ready to welcome you.



We help charities

share knowledge and working practice to make the best technology choices.



We bring together

charities and suppliers to the charity sector to share best practices.



We encourage

collaboration and innovation for the good of the charity sector.

OUR MEMBERS



<compuCorp/>



• • •

BLOG

Online Donations Special...

Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

14 Nov 2014

Online Donations Special...

Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

14 Nov 2014

Online Donations Special...

Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

14 Nov 2014

Online Donations Special...

Consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

14 Nov 2014

f t g+

This site was built as a collaboration between [Manifesto Digital](#) and [CompuCorp](#)

Details

- Nav bar
- Slider
- Involved section
 - Flash animation and this hover that there and mission won't stop
- Member section
 - Slider
- Blog Section
- Work with us section
- Footer
- Responsive for mobile

Bookmark

- None

Prepare File

Overview

- Prepare file for website flow with Trello board

Details

- Create board Trello
- Add tasks to Trello
- Create the website folders with it's files
 - /Website/OC/assets/img || style
 - img/icons
 - style/font || css || js
- Create a readme.txt file
- Create an images folder and an icons folder inside of it
- Export the project's image as PNG to images folder
- Get color, font website
- Download the project fonts
- Download and save bootstrap 4
- Download and save jQuey

Bookmark

- Dowload Bootstrap 4 [here](#)
- Download jQuery [here](#)
- Source Code [here](#)

Linking File and Implementing Style Sheet

Overview

- Linking file and making some variables for color and font

Details

- Create some variables color and font
- General reset using [meyerweb](#)
- Custom settings html, body,... tags

Bookmark

- None

Navbar - part 1

Overview

- Create Sections

Details

- Section Involved, Mission, Members, Event, Blog, Contact
- Customize class `navbar-toggler` `nav-item` `nav-link`

Bookmark

- None

Navbar - part 2

Overview

- Using jQuery

Details

- Closes responsive menu when a scroll trigger link is clicked
- Activate scrollsp to add active class to navbar items on scroll
- On scroll down .. if the offset is higher

Bookmark

- None

Result

Header - part 1

Overview

- Header in our design we will notice that it consists of two main parts the
 - First part is the Jumbotron or the head it has an image and some text
 - The second part of that and it has a button and some text

Details

- Section tag have id `header` wrap all
- Using class `container-fluid` wrap children class
- To do in the head is to make a header section
 - Texts and talk to center all of our text inside this container
- The second part have a button and the text.
 - Link `Next Event` date and time
 - Address
 - Button Register

Bookmark

- None

Result

Header - part 2

Overview

- Implement CSS to header

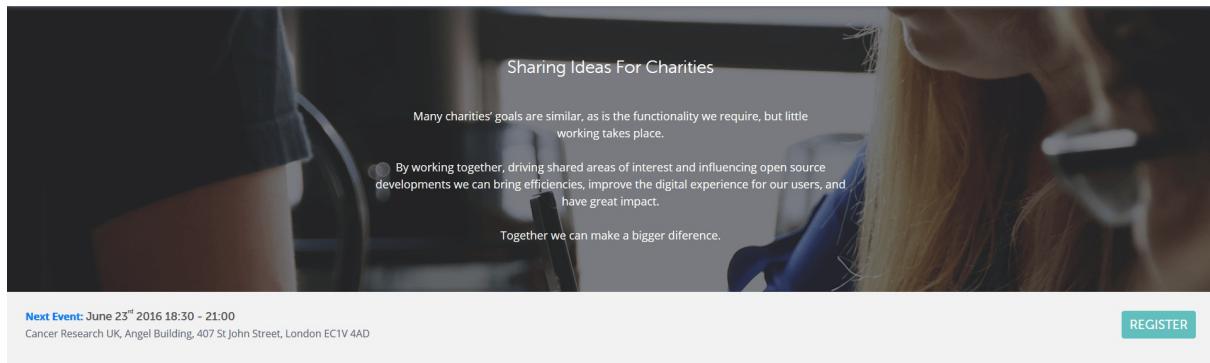
Details

- First part
- `header-container` have background image
- `footer-container` using `darken()` function

Bookmark

- None

Result



Get Involved section

Overview

- We have three images with text and a button

Details

- Section tag have id `get-involved` wrap get involved section
- Class `container` wrap a row
- In the row we will have three four columns
- In here we have an image
 - The first one will be this one meet up image the source
 - Image 2 is Slack Group
 - The last image is Google Group

Bookmark

- None

Result

Next Event: June 23rd 2016 18:30 - 21:00

Cancer Research UK, Angel Building, 407 St John Street, London EC1V 4AD

[REGISTER](#)[GET INVOLVED](#)**We do meetings**

We organise our meetings through the OpenCharity MeetUp group

[MeetUp group](#)**We Collaborate**

OpenCharity have a slack group for daily collaboration

[Slack Group](#)**We Share**

We have a Google Group set up to share tools and documents

[Google Group](#)

Mission section

Overview

- We have a title and two subtitles
- And three cards so inside container

Details

- We will say section with id of `mission` inside this section will have div with a class `container`
- This one will be an `h3` tag and this one will be `h5` and this one be `h4`
- Under the `h4` we will create a row, inside the row we have three div tag with class `col-md-4`
- Here we need a card get component bootstrap
- Image exported from file PSD with name `mission1`, `mission2`, `mission3`. It have direction `assets/img/`

Bookmark

- None

Result

Our mission

Charities and Partners collaborating and sharing open solutions and ideas to create value in the digital space.

If you are a charity or a supplier, we are ready to welcome you.



We help charities

share knowledge and working practice to make the best technology choices.



We bring together

charities and suppliers to the charity sector to share best practices.



We encourage

collaboration and innovation for the good of the charity sector.

Member Section

Overview

- Make a slider

Details

- Owl Carousel 2
- Using 3 file is `owl.carousel.min.css` `owl.theme.default.min.css` and `owl.carousel.min.js`.
- Slider have 5 image with name member. It have direction `assets/img`.
- Slider action is `margin`, `smartSpeed`, `nav`, `dots`, `dotsEach`, `loop`, `autoplay`, `mouseDrag`, `touchDrag`, `responsive`.

Bookmark

- Owl Carousel 2 download [here](#)

Result

If you are a charity or a supplier, we are ready to welcome you.

**We help charities**

share knowledge and working practice to make the best technology choices.

**We bring together**

charities and suppliers to the charity sector to share best practices.

**We encourage**

collaboration and innovation for the good of the charity sector.

OUR MEMBERS

Event Section

Overview

- Make three event

Details

- Add to our Website some content and it's a simple section contains three bootstrap card

Bookmark

- None

Result



Recent From the Event

**Lorem, ipsum dolor**

Some quick example text to build on the card title and make up the bulk of the card's content.

**Lorem, ipsum dolor**

Some quick example text to build on the card title and make up the bulk of the card's content.

**Lorem, ipsum dolor**

Some quick example text to build on the card title and make up the bulk of the card's content.

Blog Section

Overview

- Make a slider

Details

- User move between slides.

Bookmark

- None

Result

The screenshot shows a charity website's blog section. At the top, there is a navigation bar with links: GET INVOLVED, MISSION, MEMBERS, EVENT, BLOG, and CONTACT. Below the navigation bar, there is a slider featuring three cards. Each card has a small image at the top, followed by a title ('Lorem, ipsum dolor') and a brief description ('Some quick example text to build on the card title and make up the bulk of the card's content.'). The cards are arranged horizontally, and there are arrows at the bottom center for navigating through more cards.

Online Dobators Speacial...	Online Dobators Speacial...	Online Dobators Speacial...	Online Dobators Speacial...
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nam, accusantium.	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nam, accusantium.	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nam, accusantium.	Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nam, accusantium.
14 Nov 2014	14 Nov 2014	14 Nov 2014	14 Nov 2014

Contact Section and Footer

Overview

Details

Bookmark

- None

Result

Work with us

Obcaecati, aut?

Your Name	Your Email
<input type="text"/>	<input type="text"/>
Your Message	
<input type="text"/>	
<input type="button" value="Send Message"/>	



Enhancements

Overview

- Using library Animate.css to animate the bottom
 - CSS smooth scroll

Details

Bookmark

- Animate.css
 - Smooth Scrolling

Result

Testing

Overview

- Test in mobile. - Compressing images. - Cross browser testing. - static sites host. - W3C markup validation server. - Website speed test.

Details

- Test responsive in mobile
 - Using optimizilla to optimization and lossy compression algorithms to shrink JPEG and PNG images to the minimum possible size while keeping the required level of quality.
 - Cross browser is testing in chrome, firefox, IE.
 - Upload your website files to static sites host bitballoon or other for running tests.
 - This validator checks the markup validity of Web documents in HTML, XHTML, SMIL, MathML, etc.

- Using pingdom to speed test website.

Bookmark

- Optimizilla
- Bitballoon
- W3C markup validation server
- Pingdom

Recap

Overview

- Summarizes the code OpenCharity project process.

Details

- Export images and getting the colors by photoshop.
- The forms of our website then moving to sync our variables and customs sheet for the website.
- We have learned how we can test our code
- We can use bootstrap for its components in our website plus adding animation to our project by query or by animate.css
- And the most important thing that we have learned is how we can organize our project by applying our steps that we have written before
- And write a clean code with comments.
- The response of part of our website.
- Website performance and run the markup and the speed test and tested it in the Old and the modern browsers.

Bookmark

- OpenCharity

404 Overview

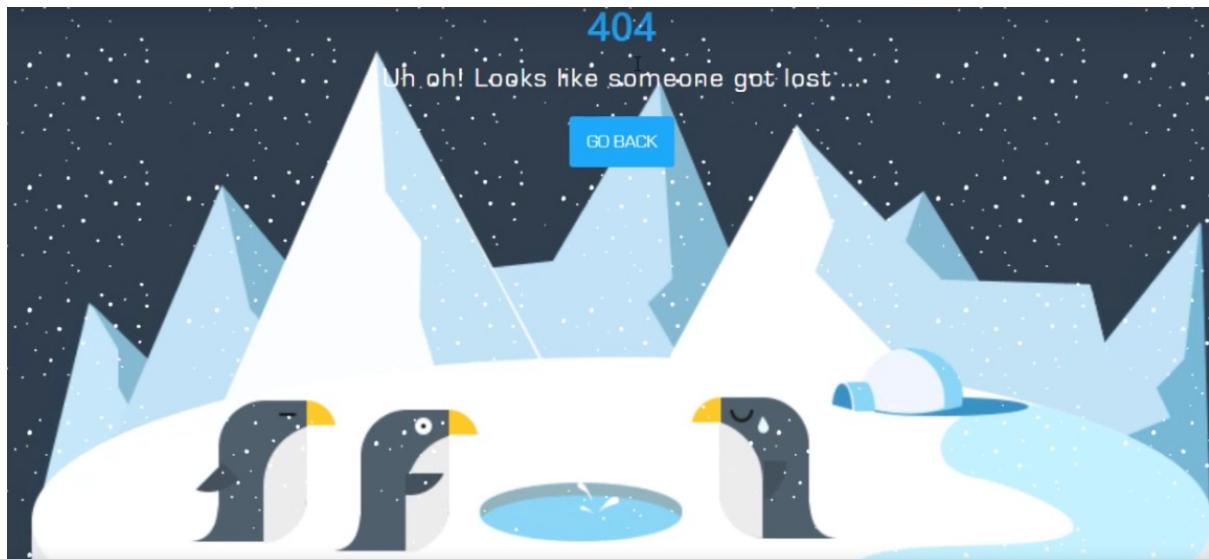
Overview

- The main one is how you can make the snow an image
- Making the image stick at the bottom of the page no matter what device you are using
- It will always stick to the bottom of the page as we can see that design is very cool and simple as

Details

- It's just 404 page not found which you can use in your website as a 404.
- We have this 404 logo and text of button and image.
- Notice that the logo and the image are under the snow animation but the text and the button are above

Bookmark



404 Prepare File

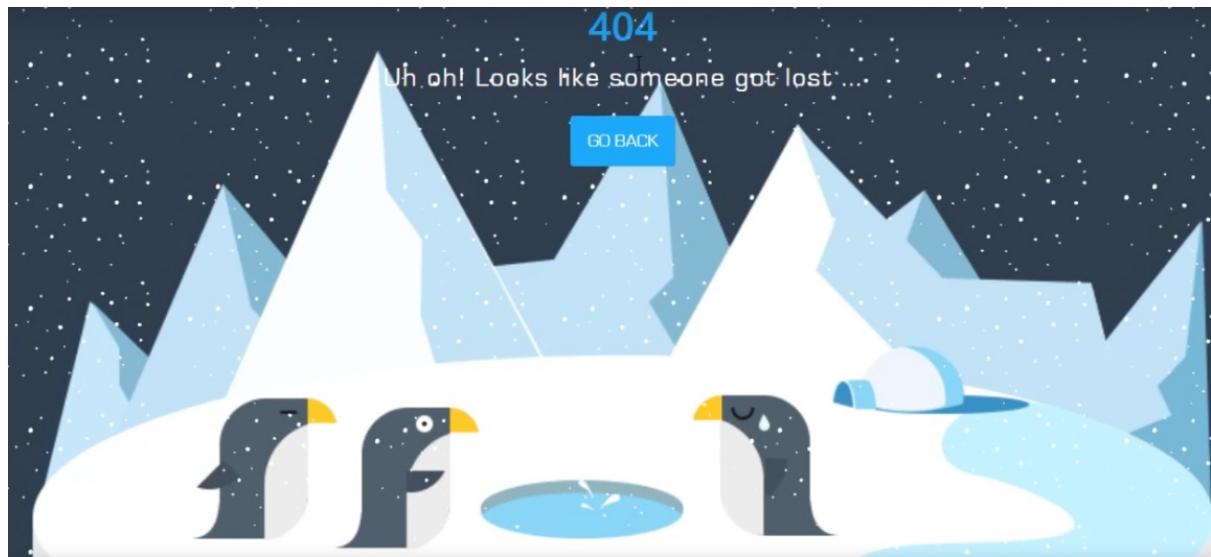
Overview

- Prepare file for 404 Project

Details

- Export favicon.png, background.png and 404-penguins.png
- Download Eurostile-font
- color used:
 - grey-color: #313f4c
 - blue-color: #1ca9f9
 - white-color: #fff

Bookmark



404 Start Code

Overview

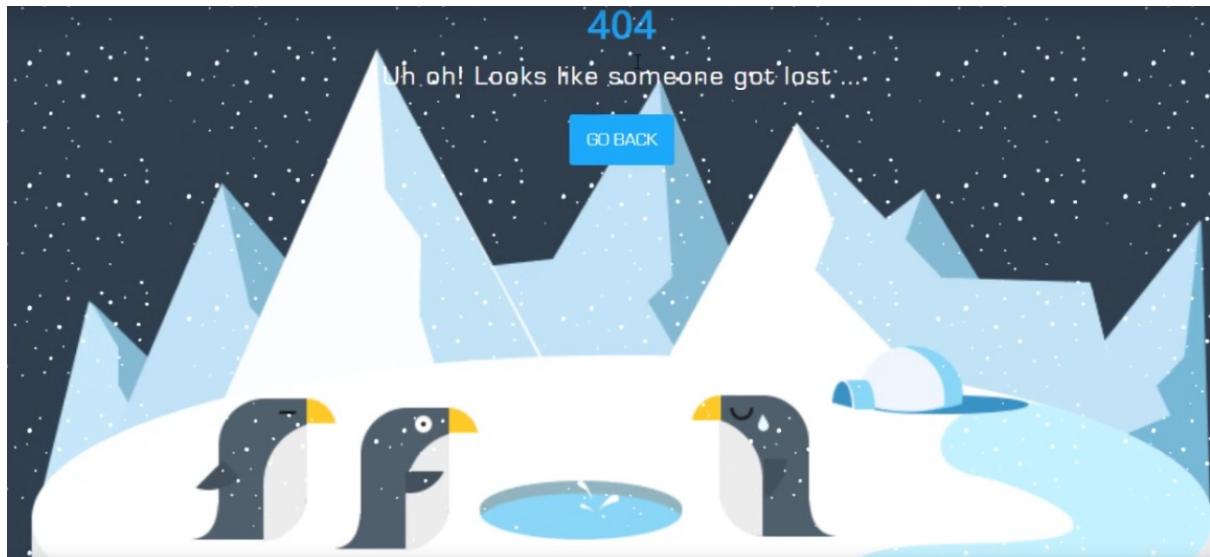
- Make 404 page

Details

- CSS:
 - `z-index` :
 - The `z-index` property specifies the stack order of an element. An element with greater stack order is always in front of an element with a lower stack order.
 - `z-index` only works on positioned elements (position:absolute, position:relative, or position:fixed).
 - `@keyframes` rule specifies the animation code.
 - The `position` property specifies the type of positioning method used for an element (static, relative, absolute, fixed, or sticky).
 - CSS `transitions` allows you to change property values smoothly (from one value to another), over a given duration.

Bookmark

- `z-index`
- `@keyframes`
- `Position`
- `Transition`



404 Recap

Overview

- Recap code 404 page progress

Details

- I had tested the 404 page before in different browsers and it works just fine.

Bookmark

Merkury Overview

Overview

- This is the project that we are going to build and it's a full introductory website of the mercury dashboard the site displays the important features and the workflow and the portfolio design of the Mercure through this project.
- We are going to learn a lot beginning with making powerful an animation by CSS and positioning elements

Details

- Website is the notebook
- If we scroll down and watch the Navar you can see the transition that's happening to dashboard also the background color changes from transparent to light blue color.
- We have this awesome chart on emission and background.
- The features section on the left site.
- Title and some text on the right site
- We can drag and drop disporting and drop here box
- Next section is Special section in this website
 - The title and some text the idea from this section is he dashboard image
 - These two lines appeared and reached to the image then the image appears with the set in effect
 - After that an infinite floating animation happens to the image as we see now
- Next section
 - The website have three bootstrap card but i modidied them and the card appeared.
- The Last section is the join section
 - It contains a text and a button and two separate line
- Have a simple footer with some links and social icons.

Bookmark

None

Prepare Files

Overview

- Prepare files for Merkury code's project

Details

- Create the website folders with it's files
- Create a readme.txt file
- Create an images folder and an icons folder inside of it
- Get the colors of the project
- export the project's image as png
- Download and save bootstrap 4 to the project folder
- Download and save jquery, popper.min.js

Bookmark

- [PSD](#)
- [Bootstrap 4](#)
- [jQuery](#)
- [Popper.min.js](#)

Linking Files

Overview

- Linking file and making some variables for color and font

Details

- Create some variables color and font
- General reset using [meyerweb](#)
- Custom settings html, body,... tags

Bookmark

None

Navbar Part 1

Overview

- Create nav bar section

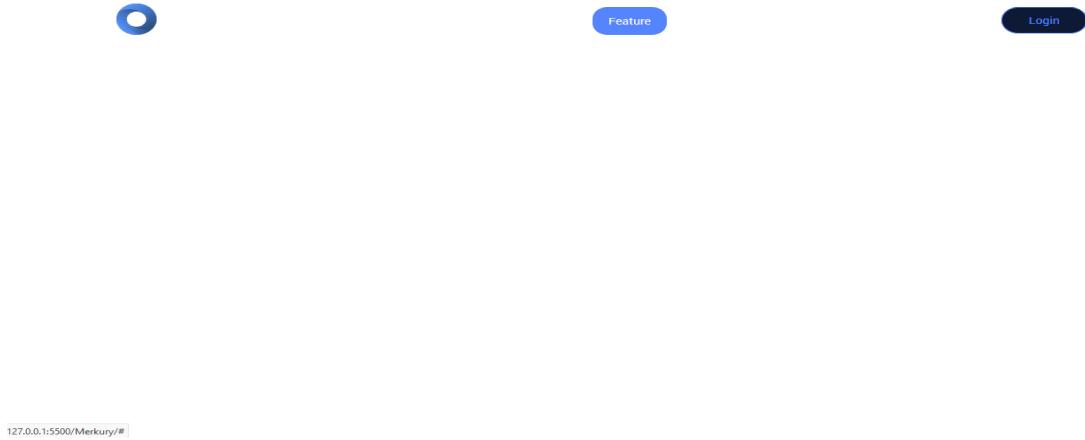
Details

- Nav bar includes:
 - Feature
 - Drag-Drop
 - Template
 - Pricing
- Customize class `navbar-toggler` `nav-item` `nav-link`

Bookmark

None

Result



Navbar Part 2

Overview

- Using jQuery

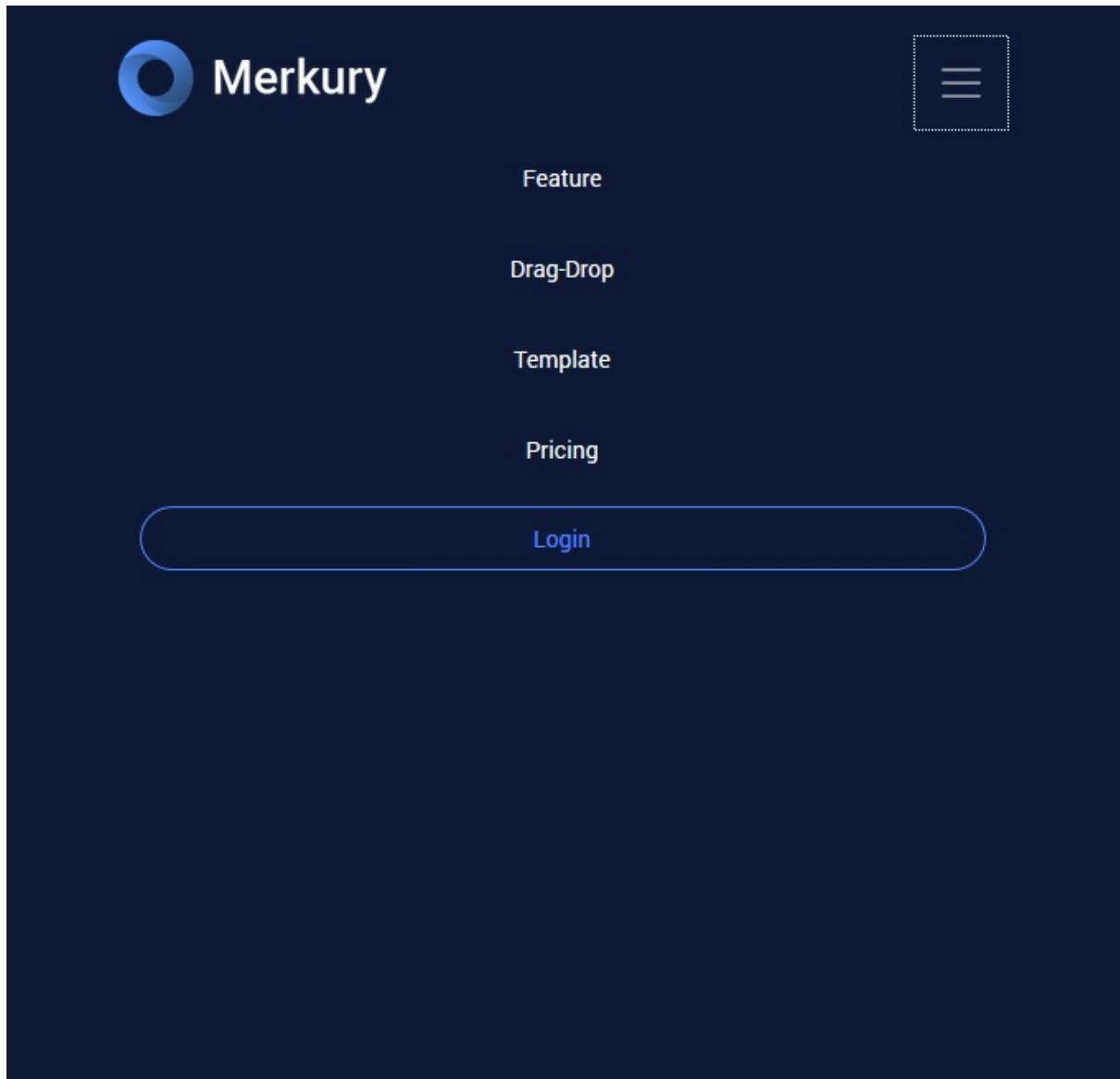
Details

- Close responsive menu when a scroll trigger link is clicked
- Activate scrollspy to add active class the navbar items on scroll
- On scroll down if the offset is higher than 50 pixels add navbar shrink class class else remove that class

Bookmark

None

Result



Header

Overview

- Implement UI for Header section

Details

- The blue background and the grid image in one group
- Behind is the graphic image.
- Make a keyframes and animation on it
- The button `Get started`. Click on this button go to down to the services section right here.
- To make this responsive image float just like the images of class in the bootstrap

Bookmark

None

Result



Services Section

Overview

- Implement UI for services section

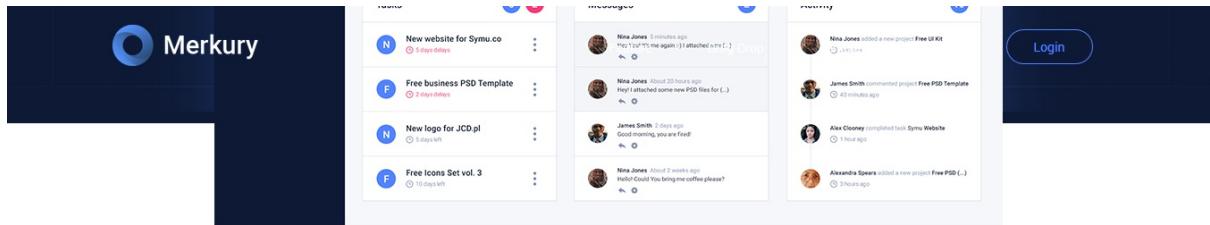
Details

- The section need a row.
- Inside a row have three column and four deaths and here is a really thin separator.
- Inside a column have an image a title and some description and a bottom.

Bookmark

None

Result



Manage Your Workflow

Lorem ipsum dolor sit amet consectetur adipisicing elit. Ullam, perspiciatis.

[See More](#)



Analytics & Insights

Lorem ipsum dolor sit amet consectetur adipisicing elit. Ullam, perspiciatis.

[See More](#)



Organize Your Deadlines

Lorem ipsum dolor sit amet consectetur adipisicing elit. Ullam, perspiciatis.

[See More](#)

Features Section

Overview

- Implement UI for feature section

Details

- Have two column:
 - There is a image.
 - There's a group of elements.

Bookmark

None

Result

The screenshot displays the Merkury application's user interface. At the top, there is a dark header bar with the Merkury logo and navigation links for Feature, Drag-Drop, Template, Pricing, and Login. Below the header, a main content area features a dark sidebar on the left containing a navigation menu with items like Home, Workflow, Statistics, Calendar, Users, and Settings. The central area shows a dashboard with several charts: 'Lorem Ipsum Stats' (line chart with values 1,560 and 3,230), 'Active users' (line chart with a peak around 1,250), and 'Total sales' (donut chart with 45%, 20%, 25%, and 1,250\$). On the right side, there is a calendar view for January 2016, showing days from Monday to Wednesday. Below the calendar, there is a section titled 'Upcoming tasks' with two items: 'Meeting with Evan Smith' and 'Project Report'. Each item has a small icon, author name ('Nic'), and status indicators.

Drag and Drop Section Part 1

Overview

- Implement UI for Drag & Drop section
- The Drag & Drop feature allow user keep track task like Trello.com

Details

- Have Three column:
 - The first column is `In Progress` have three cards
 - Inside a card have:
 - Icon card
 - Name card
 - Dropdown include three actions
 - Status: Time left
 - Next column is `Completed` have two cards and one box
 - Inside a card have:
 - Icon card
 - Name card
 - Dropdown include three actions
 - Status: Completed
 - The last column is `Drag & Drop`
- Using column bootstrap.
- Card and dropdown in bootstrap component.

Bookmark

None

Result

In Progress (3) >

Completed (2) >

Drag & Drop

New logo for Apple
F
Free PSD Template
D
Daily UI Kit
I
Iconset vol.1
N
Business Cards

1 Day left
5 Day left
2 Day Delay

Go somewhere
Go somewhere
Go somewhere
Go somewhere
Drop here

Feature Drag-Drop Template Pricing Login

Tempora, edit placeat?

◀ ▶

>Lorem ipsum dolor sit amet consectetur adipisicing elit. Neque vel laboriosam pariatur reiciendis ratione eveniet facilis, soluta culpa minima porro. Fugit, cumque ipsa! Reiciendis explicabo vitae animi delectus, neque quaerat?

Temporibus autem quibusdam et autem fugiat.

Drag and Drop Section part 2

Overview

- Improved UI for Drag and Drops Section.
- Integrate jQuery UI for this section

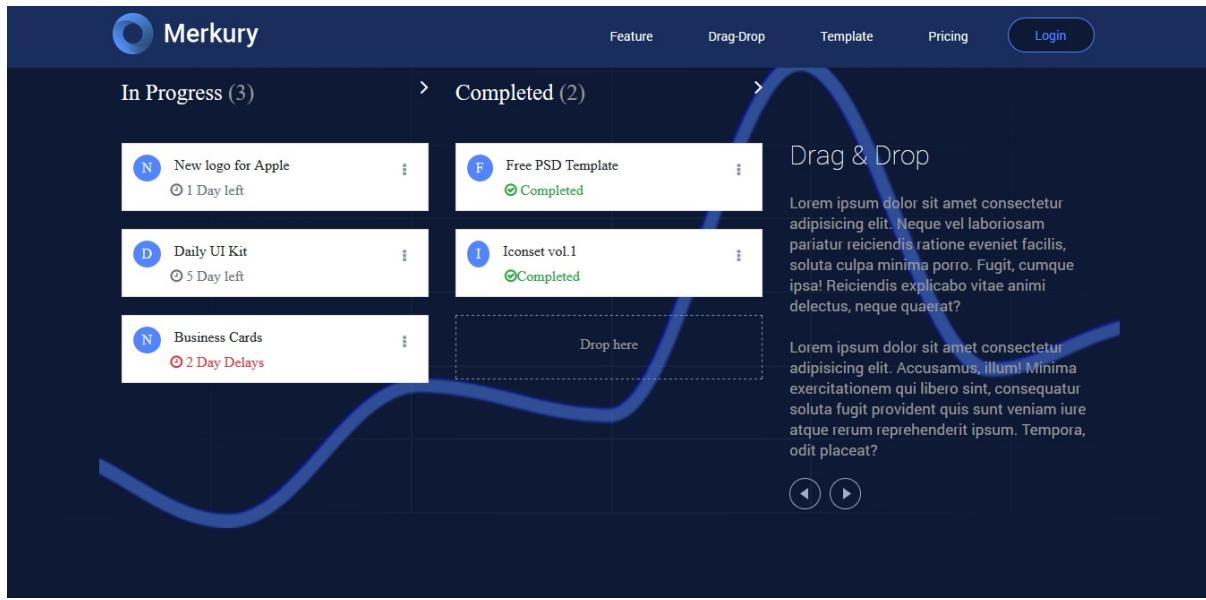
Details

- Improved UI for Drag and Drops Section.
- Using jQuery UI create action drag and drop for task

Bookmark

- Download jQuery UI [here](#)

Result



Template Section

Overview

- Implement UI for Template section

Details

- The idea from the section is the dashboard template image is hidden and when users are hovers under section two lines appeared and reached the dashboard image and then the dashboard image appears setup an image.
- After that an infinite float animation happens to the dashboard image.

Bookmark

None

Result

The screenshot shows a dark-themed dashboard interface for 'Merkury'. At the top, there's a navigation bar with a logo, the word 'Merkury', and links for 'Feature', 'Drag-Drop', 'Template', 'Pricing', and 'Login'. Below the navigation, the main title 'Powerfull PSD Template' is displayed. A brief description follows: 'Lorem ipsum dolor sit, amet consectetur adipisicing elit. Nulla eius odit ipsum ea doloribus corrupti! Lorem ipsum dolor sit amet consectetur adipisicing elit. Cum, expedita.' On the left, a section titled 'Clean & Modern layout' contains placeholder text. In the center, a large mobile device icon displays a dashboard with various charts and data points. On the right, a section titled 'Easy to Customize' also contains placeholder text.

Pricing Section

Overview

- Implement UI for Pricing section

Details

- Section have three column about Pricing model
- Inside column have a card
- Details:
 - Name model
 - Price
 - Features

Bookmark

None

Result

Check out pricing!

BRONZE PLAN

\$19 /mon

- Lorem ipsum dolor sit.

SILVER PLAN

\$49 /mon

- Lorem ipsum dolor sit.

GOLD PLAN

\$99 /mon

- Lorem ipsum dolor sit.

Join Section and Footer

Overview

- Implement UI for Join section and Footer

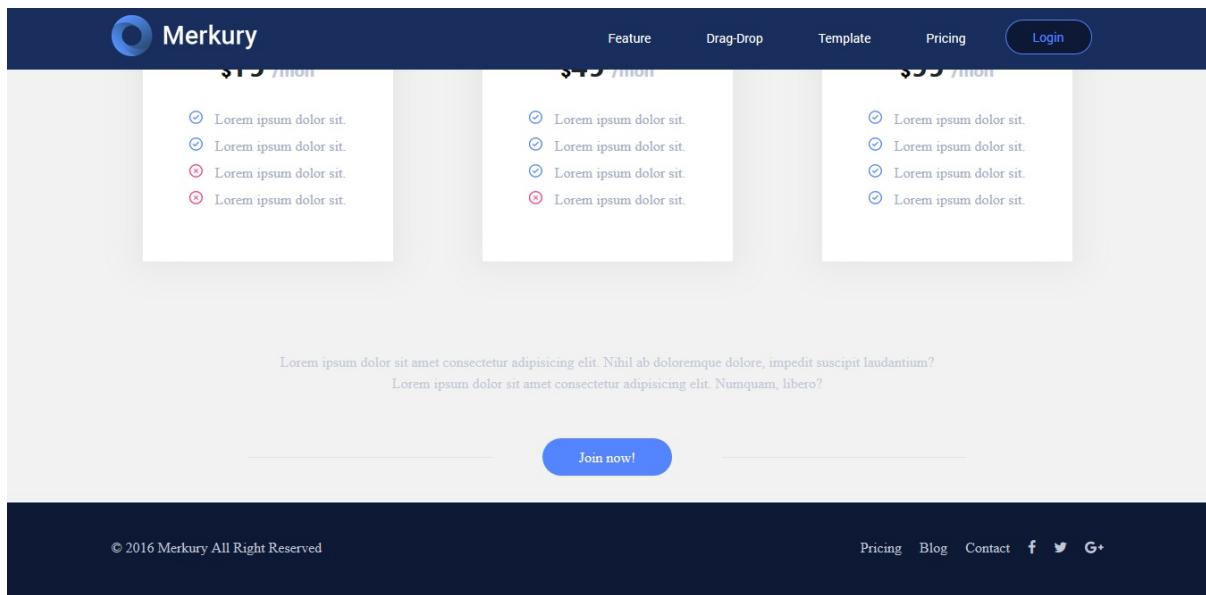
Details

- Join section have two paragraphs
- And a button between two line.
- Footer have a copyright area text some links and some social icons.

Bookmark

None

Result



Enhancements

Overview

- Check responsive and add some media queries
- Add Smooth Scroll
- Animation with ScrollReveal

Details

- Bug responsive when width <= 768px and width between 768px and 991px
- Add smooth scroll help coating smooth
- ScrollReveal is a JavaScript library for easily animating elements as they enter/leave the viewport. It was designed to be robust and flexible, but hopefully you'll be surprised below at how easy it is to pick up.

Bookmark

- [Smooth Scroll](<https://css-tricks.com/snippets/jquery/smooth-scrolling/#article-header-id-1>) - [ScrollReveal](<https://github.com/scrollreveal/scrollreveal>)

Result

- [Go to the Merkury Project](#)

Testing

Overview

- Compressing images
- Cross browser testing
- Static sites host

- W3C markup validation service
- Website speed test

Details

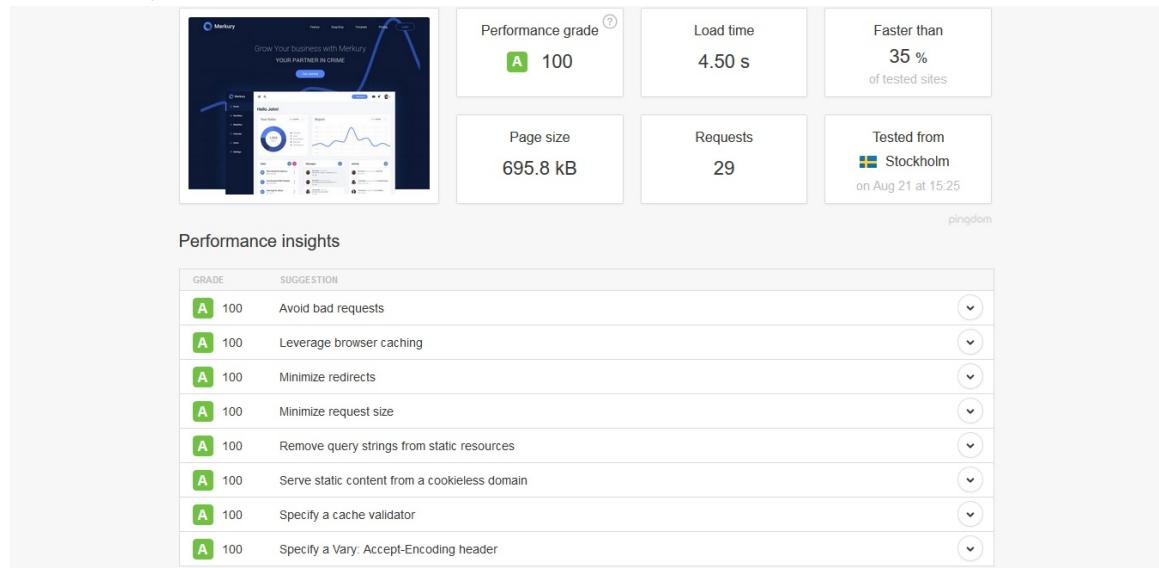
- Using optimizilla to optimization and lossy compression algorithms to shrink JPEG and PNG images to the minimum possible size while keeping the required level of quality.
- Cross browser is testing in chrome, firefox, IE.
- Upload your website files to static sites host bitballoon or other for running tests.
- This validator checks the markup validity of Web documents in HTML, XHTML, SMIL, MathML, etc.
- Using pingdom to speed test website.

Bookmark

- [Pingdom test](<https://tools.pingdom.com/#!/9UB6f/https://hopeful-booth-27591f.netlify.com/>)

Result

- [Go to the Merkury Project](#)
- [Go to Merkury site](#)



Recap

Overview

- Summarizes the code Merkury project process.

Details

- Export images and getting colors and fonts on our website
- Prepare file the project files and folders using the Trello to do list.
- I have learned how can our code be cleaner. So it would be easier to read and understand.
- Can use bootstrap 4, it's component in website

- Adding animations to website by jQuery
- Have two plugins is jQuery UI and ScrollReveal
- I can organize our project with to do list on Trello
- Responsive on our website
- Tested the website in most of the devices
- Increased the website performance by optimizing the images and run the markup and speed test
- Fix some markup errors and warnings and tested the website on the old and the modern browsers.

Bookmark

- [Go to the Merkury Project](#)
- [Go to Merkury site](#)

Important Tips

Overview

- After this course, their many directions but the best three directions.

Details

- Three directions are:
 - Learn CMS which is content management system.
 - Start learning back-end like PHP with laravel framework, Python with jungle framework, etc.
 - Continue improving your javascript skill by learning single page application like Angular, ReactJs, VueJs.
- Email this course instructor:
 - mero.hegazi77@gmail.com

Bookmark

- [CMS](#)
- [Go to the Merkury Project](#)
- [Go to Merkury site](#)

Section 1

Overview

- Create folder structure for project

Details

- Folder structure:
 - build
 - config
 - source
 - assets
 - fonts
 - imgs
 - scripts
 - styles
 - components // composed of many small components
 - modules // Header, Footer
 - pages
 - settings // fonts, colors, variables, animation, typography
 - style.less
 - layouts
 - overrides // third-party library: Bootstrap, SemanticUI
 - templates
 - layouts // base-1, base-2
 - pages // home, landing page, dashboard
 - modules // header, footer
 - Use swig to split html files into small modules
 - vendors
- webpack hash filename avoids cache
- in project use yarn, npm, bower to manage package
- Bootstrap 3 and jQuery

Bookmark

- [swig](#)
- [bower](#)

Section 2

Overview

- Naming convention for Class and Id - When to use margin or padding - Some rules work when convert PSD to HTML CSS

Details

- Naming convention
 - Class: (-) Semantic
 - Id: Quick trace, JS
 - *(,), using double underscore (_)* when next level element
 - example: section_1__text
- Using margin between two elements of the same level
- Padding between container and content
- Some rules:
 - Mapping 1:1 between PSD and HTML, CSS
 - Make from top to bottom
 - No resize PSD
 - Not abbreviated

Bookmark

- None