**Project Documentation**

Dominic Martindale – 420190042

**About the site:** The website is an online commerce solution for a client which was covered in further detail in the Business Analysis project. The aim of the solution is to be able to sell clothing products online. I have decided to use **Bootstrap 4** and **ReactJS** to aid the implementation of the website.

**Page list:**

* **Home** page (Index.html, links to all other pages of the site, acts as an attractive front)
* **Product** page (any html file in ‘product-pages’ folder, they all are based off of the same code with the only difference being the const ‘pID’)
* **Shop page** (Shop.html , has all of the products)
* **Contact Us** (Contact-Us.html has company details for contact.)

Test plan for interactive components:

|  |  |
| --- | --- |
| **Name** | **Expected output** |
| Link (any link in the nav) | Upon clicking, redirect user to the page that it is listed as. |
| Carousel buttons | Upon clicking, change the carousel image to the next/prev depending on which button it is.  Upon hovering, have it’s background change to a transparent white.  Upon hovering, have the cursor change to a ‘pointer’.  (Note: this applies also to the carousels in the product pages) |
| Product listing | Upon clicking, redirect the user to the appropriate page.  Upon hovering, have the cursor change to a ‘pointer’. |
| Product page ‘add to cart’ button | Upon clicking, alert user with “Sorry! Feature not yet implemented.” (my code it later, not in time for assignment though.) |
| Rapparel logo | Upon hovering, have the cursor change to a ‘pointer’. |

Notes (made while creating the website):

**12/08/2019** – Spent today planning out how I’m going to make the site, using the design as a guide. I did this by guestimating features (e.g. CSS can be used for this, noting the rough reason for using this etc). Through this method i ended up with some pseudo code to base my actual code off of.I also broke down all of the learning objectives and how i was going to implement those also, so that all had been met.

**13/08/2019** – Made the shopping cart and ‘RAPPAREL’ logo

**14/08/2019 -**  My main focus of coding this website is to stick to the design as much as possible (though if there is an easy way of implementing a feature and it is time saving and similar enough to the actual feature, it will probably be implemented instead due to time constraints.) All prep finished today. **IMPORTANT NOTE:** *the JSON data is hosted off site, meaning the site will not work without an internet connection, this is done as i didn’t want it taking up tons of space on each file due to it not being on an actual web host (i also wanted to practice use of an API), sadly i couldn’t find a good work around for the React code so there will be a lot of repeat through the files.*

Note: took all of the product photos today

**15/08/2019** – specified the data structure for the JSON and exactly how it was going to be accessed, decided on fetch(API URL here).then((response from API)... etc. Took longer than expected as this is new to me.

**16/08/2019 -** Home page made, the products that are listed on it aren’t actually necessary but it’s following the design guide. Also it acted as a test for using react to create complex HTML elements. I used the same code for the Shop.html list and edited it to display all of the data.

**19/08/2019** – Using the home page as a template (as the nav and footer from it can be used everywhere), I made a whole raft of the less important, easy to make pages (contact, t’s&c’s etc). **IMPORTANT NOTE:** *the reason why i implemented the product page as react was so that i could just change the const ‘pID’ to the corresponding product ID and (with the images in the proper location,) easily create a new page, this way i was able to create all product pages with ease.*

**21/08/2019 –** finished form, used regex which took a damn while, figured out that it’s easiest to specify a form action, then prevent it from happening by returning false from a submit button and true when you want the action to happen.