

Jewellery Shop Website

Team members:

George Webberley - COMSM0104

Philippe O'Malley - COMSM0104

- **HTML: B**

We have managed to get pages to work and also we have used XHTML delivery. However we feel that many of the html tags could be more specific (i.e. we have used a lot of div tags and span when we could be using some of the new HTML5 tags such as header, nav, section, article, figure etc.)

- **CSS: B**

We have avoided using style tags or style attributes in our HTML and have been using a stylesheet. However we want to make our CSS simpler and use a better structure. For example using the same classes again where possible rather than making new classes. We have also mostly gone for classes instead of IDs, even when many of the classes are only used once - is this bad practice?

Also, at present all of our styles are in one sheet. Will it be better to break these down into several sheets relating to different sections of our website?

It might be worth us also creating variable names for many of our common styles. Such as fonts, colours etc. Therefore if we want to change the site look quickly we can simply alter the variables instead of having to alter. each and every class

- **JS: B**

We have written a decent sized script to have the shopping cart functionality that stores the data in the local storage of the web browser. This script allows you to add and remove items from your shopping cart and maintains the data across the different pages of the website. We have also implemented a small slideshow on the homepage. While the basic functionality of the shopping cart is there, it needs more work to be able modify the quantities of the items in the cart, as well as take the user to eventual payment page etc. Could also use some more clarity/commenting.

- **PNG: X**

- **SVG: X**

- **Server: B-**

Whilst we do have a local server up and running, it is just running on a local port number we specified (3000). We hope to change this so that the port number can be dynamic (set to 3000 when running locally but allowing the server to set it if deployed).

We also need to spend some time looking at URL validation as currently it is not very secure in that manner. We also want to look more into https, certificates, cloud hosting and other security issues. We have installed and used 'helmet' which helps with some security issues such as clickjacking, removing x-powered-by header, setting a Strict-Transport-Security header etc.

We have decided to use local storage instead of cookies.

We eventually also want to have user and admin access privileges. Currently you can go to 'root/admin' to access the admin page where it is possible to add more items of jewellery to the database but it would be ideal if this is hidden behind some sort of login.

- Database: B

We have created a database and have setup some functions which can insert into the database (through post requests in a form). We also extract information from the database when certain pages are loaded. We have been using async/await instead of callback functions for this. We want to add features to edit the database and delete items. It might be nice to also organise the database better, having separate module which handles requests.

- Dynamic pages: B

We have been using EJS for dynamically creating web pages. We have also used EJS-layouts which has allowed us to have a general layout webpage with header and footer. We are still working on improving this though

NOTE: The image paths are stored in the database and this is how they are loaded. Without the database many of the images will not populate!