**Jewellery Shop Website**

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* 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: this is client-side JavaScript for effects or animation or interaction, including use of client-side frameworks, but excluding aspects which are to do with dynamic page construction
  + C means you've got some scripting to work, by writing a small amount of JavaScript, or by slightly adapting a script you found, or by closely following a tutorial
  + B means you've written a substantial script yourself, or written a number of script functions with different issues involved, or gained a medium amount of experience with client-side frameworks
  + A means you have gained a high level of understanding of how client-side JavaScript works, or a high level of expertise in using client-side frameworks
* PNG: STILL TO DO
* SVG: STILL TO DO
* Server: C

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!