Build a working implementation of the front-end component of the website you designed in Assignment 2. We will only assess the pages involved in the purchase process described in Assignment 2 (home page, browse/search products, individual product pages, shopping cart page, payment/delivery details, confirmation of purchase). However, feel free to implement other pages or functionality if you wish.

Your implementation should match your mockups from Assignment 2 as closely as possible. Any changes to your design should be described and explained. If you were not happy with your mark in Assignment 2 and you wish to go in a radically different design direction in Assignment 3, you should discuss with staff, and you do not need to submit a new XD/Figma prototype in addition to your HTML/CSS/JS implementation.

Your website should be responsive, rendering appropriately on at least two screen sizes: desktop computer and mobile phone. When marking, we will use the following screen sizes. These are easy to simulate using Dev Tools.

* iPhone 12 Pro, 390 x 844 (portrait)
* Surface Pro 7: 1368 x 912 (landscape)

Your website should be online. (Students usually host their sites on GitHub, but any other provider will do.)

The website should be written in vanilla HTML, CSS, and JavaScript (i.e. do not use a framework such as React or Bootstrap). It does not have to include a working back-end (e.g. database, app server, API server, etc.). You are free to use any additional tools/libraries, just make sure to discuss with your tutor.

Your code should exhibit good practices such as appropriate naming, indentation, comments, modularity, and you should use appropriate semantic HTML.

If you use any tools that generate code for you, please mention this in the report.

Development process

1. Start by checking whether there are any adjustments that you wish to make to the design you submitted in Assignment 2.
2. Establish a GitHub repository where you will store and develop your code. We will look at the history of commits into the repository, to ensure that you developed the code incrementally. As part of your submission you need to provide us a link to the repository of code, and a link to the live website.
3. Collate the content that you plan to include in your implementation, including text, images, icons, illustrations, etc.
4. Analyse the design of your pages, and decide how you will use semantic HTML to structure the content. Annotate your sketches with the HTML tags that you plan on using.
5. Markup your content with HTML tags. Check that the user flow works in your browser before you add any CSS.
6. Style your pages using CSS. Keep your code modular by using separate CSS files for different concerns (e.g. layout, typography, colours, etc.).
7. Add any required behaviour using JavaScript (e.g. validating user-entered data, showing/hiding page elements).
8. Test the usability of your website thoroughly with the help of a friend who was not involved in designing it.
9. Throughout development, you should regularly upload (push) your new code to your GitHub repo. Your Git commit history offers a way to check that you developed your assignment in an appropriate way.

When you are ready to submit the assignment, make sure that the website is live online and accessible through a link.

Report Structure

The report should be formatted as an A4 document, in landscape orientation, and exported as PDF.

1. Cover page with project title, subject name and code, tutor and tutorial time, student name, email, and student id, and links to your GitHub repo and live site. (1 page)
2. Project overview (1 page)
3. Description and explanation of any changes and improvements from the design submitted in Assignment 2 (up to 3 pages, optional)
4. List of code files, with a description of each file (1 page)
5. Critical reflection on how successful your project was, the difficulties you faced, any mismatch between the design and implementation, and areas for future improvement. You should discuss whether you have achieved your design goals successfully or not (1-3 pages)

Submission details

|  |  |
| --- | --- |
| Late penalty | 10% of the assignment mark per late day (more detail below) |
| Assessment weighting | 50% |
| Page limit | 11 pages |
| Submission format | **Report**: A4 landscape PDF, **Code**: zip archive,  **Live website**: link on cover page.  **GitHub repo**: link on cover page. |
| Submission | Canvas |

* **Report**: A4 landscape PDF
* **Code**: zip archive
* **Live website**: link on cover page
* **GitHub repo**: link on cover page.

Your html code will be visible in the zip archive, and on the GitHub repo.

A screenshot of a computer

AI-generated content may be incorrect.

https://canvas.lms.unimelb.edu.au/courses/215968/files/23185410?wrap=1