CSC670 - User Interface Engineering

**Project**

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| --- | --- |
| **First Name** |  |
| **Last Name** |  |
| **ID#** |  |
| **Email Address** |  |

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# How to submit Project

1. Add your name and ID to the first page.
2. After editing all the files and creating the required page(s), compress the final folder (containing all the files; including images and media) and submit it as a single compressed file (Zip or Rar files).
3. Rename the file as

*YOUR* ***First*** *Name - YOUR* ***Last*** *Name* – *Student* *ID* – CSC670 *–* ***Project****.zip*

**Example:** John - Smith - 123456 - CSC670 – Project.zip

1. Upload the file and submit it (only using **BrightSpace**)

# Part 1 (Module 1): Define Project and its Goal (2 points)

Submit a 1–2-page project plan. See the following for some key sections of the project plan.

* **Define the Purpose:** Determine the purpose and objective of the website. Is it an e-commerce site, a portfolio, a blog, or something else? Clearly identify the main goal of the project.
* **Identify Target Audience:** Understand the target audience for the website. Consider their demographics, preferences, and needs to ensure the design aligns with their expectations.
* **List Key Features:** Make a list of the essential features and functionalities the website should have. This could include navigation menus, contact forms, image galleries, or any other interactive elements.
* **Set Project Scope:** Determine the scope of the project. Decide on the number of pages, sections, and the overall complexity of the design. This will help manage expectations and create a realistic timeline.

**Submission Note:** The Part 1 (Module 1) should be submitted by the end of Module Two.

# Part 2 (Module 2): Prototype Design (3 points)

In this Part, you will create the website prototype using Figma or any other design tool. Please see the following main steps for this part.

* **Create a Wireframe:** Begin by creating a wireframe of each page using Figma or any other design tool. Focus on the layout, structure, and hierarchy of elements. This step will help visualize the overall design before adding detailed visuals.
* **Design Visual Elements:** Add colors, typography, images, and other visual elements to the wireframe. Consider the branding, user experience, and overall aesthetics of the website. Ensure consistency across pages and create a visually appealing design.
* **Review and Iterate:** Share the prototype with peers or friends for feedback. Iterate based on the feedback received, making necessary adjustments to enhance the design and improve usability.

**Submission Note:** The Part 2 (Module 2) should be submitted by the end of Module Three.

# Part 3 (Module 3): Implementation of the Project (5 points)

In this part you will implement your project using HTM, CSS, and JavaScript. Please see the following main steps for this part.

* **Set up HTML Structure:** Start by creating the basic HTML structure for each page. Include the necessary HTML tags such as doctype, head, body, header, main, footer, etc.
* **Apply CSS Styling:** Use CSS to style the HTML elements according to the design prototype. Focus on layout, typography, colors, and positioning. You may CSS frameworks like Bootstrap or Tailwind CSS for this part.
* **Add Interactivity with JavaScript:** Incorporate JavaScript to add interactivity and dynamic behavior to the website. This could include form validation, navigation menus, image sliders, or any other interactive elements. Utilize any JavaScript frameworks or libraries if desired.
* **Test and Validate:** Thoroughly test the published website to ensure it functions as intended across different devices and browsers. Validate the HTML and CSS using tools like W3C Validator to ensure code quality and standards compliance.

**Submission Note:** The Part 3 (Module 3) should be submitted by the end of Module Four.

# Part 4 (Module 4): Publish the Website (2 points)

In this part, you will publish your website. Please see the following main steps for this part.

* **Pick a domain for your website:** Select a domain for your website. You can buy the domain or get a free subdomain from services that provide subdomain for free.
* **Choose a Hosting Platform:** Select a hosting platform to make the website publicly available on the web. Consider platforms Netlify, or free web hosting services.
* **Prepare Files for Hosting:** Ensure all the necessary HTML, CSS, JavaScript, and media files are properly organized and ready for deployment. Optimize the files for web delivery by minifying CSS and JavaScript and compressing images if necessary.
* **Publish the Website:** Deploy the website to the chosen hosting platform. Follow the platform's guidelines and instructions to make the website accessible to the public.

**Submission Note:** The Part 4 (Module 4) should be submitted by the end of Module Four.

**The end**