

Web Design Lab Project: The Personal Portfolio Site

- Pair Project (2 students per team) or individual
- Use HTML5 and CSS3 (No JavaScript frameworks or external libraries are required or permitted.)

Project Overview

This project challenges you to work collaboratively in a pair to design and build a personal, multi-page website using only foundational HTML for structure and CSS for styling.

The goal is to choose a topic that **represents you**—this could be a favorite hobby, a specific interest, a collection, a resume/CV, a fan page for a piece of media, or anything else you feel defines your identity or passions.

By working in pairs, you will practice version control (if used), task delegation, collaborative problem-solving, and code review, replicating a real-world development environment.

Learning Objectives

Upon completion of this project, you will be able to:

- **HTML Structure:** Build well-formed, semantic HTML5 documents using appropriate tags (<header>, <nav>, <main>, <footer>, etc.).
- **CSS Styling:** Utilize advanced CSS selectors, properties (like flexbox or grid), and custom fonts to create an aesthetically pleasing and unique design.
- **Aesthetics & Usability:** Apply principles of design, color theory, and typography to enhance the user experience.
- **Responsiveness:** Implement basic responsive design techniques to ensure the site looks good on both desktop and mobile screens.
- **Collaboration:** Effectively delegate tasks, merge code, and troubleshoot problems as a two-person team.

Project Requirements & Deliverables

Your final website must meet all the following structural and content requirements:

A. Structural Requirements (HTML)

1. **Two Files Minimum:** The site must consist of at least two separate, linked .html files (e.g., index.html and topic.html).
2. **Semantic Structure:** Use appropriate HTML5 semantic tags (e.g., <nav> for navigation, <section> for content blocks).
3. **External Stylesheet:** All styling must be in an external file (styles.css) linked to all HTML pages.
4. **Valid HTML:** All HTML must be properly nested and free of errors (use an online validator to check).

B. Styling & Design Requirements (CSS)

1. **Central Layout:** Use a modern layout system (**Flexbox or CSS Grid**) for at least one major page section.
2. **Custom Typography:** Use at least one custom Google Font (or similar web font) and ensure a clear hierarchy of headings and body text.

3. **Color Palette:** Use a consistent color scheme (minimum of three colors: background, primary text, accent).
4. **Basic Responsiveness (Crucial):** Use CSS media queries (@media screen and (max-width: ...)) to adjust the layout, font size, or navigation for mobile devices (screens smaller than 600px). The site must be usable on a phone screen.

C. Content Requirements

1. **Homepage (index.html):** Must include a brief, compelling introduction to the student and the chosen topic.
2. **Navigation:** Must include a clear, working navigation menu linking to all internal pages.
3. **Visuals:** Include at least two relevant images (properly sourced or placeholders) and ensure image sizes are optimized.
4. **Detailed Content Page:** One page must contain detailed information about the chosen topic, formatted with headings, paragraphs, and at least one ordered or unordered list.

D. Deliverables

1. **Project Files:** All .html and .css files.
2. **Team Reflection:** A short (100-200 word) text document or comment block in the CSS explaining:
 - What topic you chose and why.
 - How you split the work (e.g., Student A did HTML structure, Student B did CSS styling).
 - The single biggest challenge you faced and how you solved it collaboratively.