

Assignment 2: Personal Portfolio Website with HTML, CSS, and JavaScript

Objective:

You are required to design and develop a personal portfolio website using **only HTML, CSS, and JavaScript**, inspired by the clean and effective structure of ethangardner.com. The goal is to focus on **semantic HTML**, **modern layout techniques (Flexbox & CSS Grid)**, and **web performance optimization**.

Task Requirements:

1. Website Structure

- Create a personal website with **at least 3 main pages**:
 - Home
 - About Me
 - Projects or Portfolio
- Use semantic HTML tags (<header>, <main>, <section>, <footer>, etc.)
- Use **only HTML, CSS, and JavaScript** — no frameworks or libraries

2. Layout & Design

- Use **CSS Flexbox** and **CSS Grid** to build responsive layouts
- Implement responsive design using media queries
- Ensure the website works well on both desktop and mobile devices

3. Content

- Include a short biography, a professional profile image, and at least 2 project samples
- Add a navigation menu and links to external profiles (e.g., GitHub, LinkedIn)

4. Lighthouse Audit

- Use **Google Lighthouse** (in Chrome DevTools) to evaluate your website
- Submit a screenshot or report showing your scores in:
 - Performance
 - Accessibility
 - Best Practices
 - SEO
- Your goal is to achieve **90+ in all categories**, with extra credit for 100s

5. Submission

- Submit:
 - Your full website files (.html, .css, .js) in a zipped folder
 - A screenshot/PDF of your Lighthouse audit
 - A 1-page reflection on your design process and improvements made based on audit results