

Assignment 5: Personal Webpage Showcase (AI-Integrated Version)

Objective

Create a **personal webpage** that showcases your skills, interests, and accomplishments. The webpage should be visually appealing, informative, and demonstrate your proficiency in **HTML, CSS, and basic web design**. You will also practice **AI-assisted development** using tools like GitHub Copilot or Cursor while maintaining critical oversight and reflection. This assignment emphasizes both **technical competence** and **responsible use of AI tools** in modern software development.

Step 1: Planning

Before coding, plan your personal webpage. - **Purpose:** What is the main purpose of your webpage? (Portfolio, resume, blog, or combination?) - **Content:** What information will you include? (Bio, resume, projects, hobbies, contact info.) - **Design:** Choose a color scheme, fonts, and layout that reflect your personality and purpose. - **AI Setup:** Ensure you have GitHub Copilot or Cursor enabled. Be ready to log AI prompts in a `.prompt/dev_notes.md` file.

Step 2: Creating the Webpages

Your site should be a **multi-page website** with consistent navigation.

Homepage (`index.html`)

- Title, header, and a short introduction about yourself.
- Navigation links to other sections (About Me, Resume, Projects, Contact).

About Me (`about.html`)

- A detailed biography: background, interests, and goals.
- A photo of yourself stored in an `/images` subdirectory.

Resume (`resume.html`)

- Include your resume or CV with sections like education, experience, skills, and achievements.
- Embed as formatted HTML, PDF, or an image.

Projects (`projects.html`)

- Showcase at least **two projects**.
- Include descriptions, screenshots/images, and links to live demos or repositories.

Contact (`contact.html`)

- Provide contact info (email, LinkedIn, GitHub).
 - Include a **contact form** (see Step 4).
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Step 3: Styling and Layout

- Use a **separate CSS file** (`styles.css`) linked from each HTML page.
- Ensure consistent fonts, colors, and layout across pages.
- Make your site **responsive** so it works on desktop and mobile.

- Use semantic HTML (<header>, <nav>, <main>, <footer>) for structure.
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Step 4: Form Page

Add a **form** on the `contact.html` page. - Fields: - First Name (required) - Last Name (required) - Email Address (required, valid format) - Password (required, min 8 characters) - Confirm Password (required, must match Password) - Use attributes: `required`, `type`, `pattern`, `minlength`. - Show clear error messages (using HTML or minimal JavaScript). - Redirect to a **Thank You page** (`thankyou.html`) after submission. - **Accessibility requirement:** All inputs must have labels connected with `for` and `id`. Add alt text for any images.

Step 5: AI Prompts and Reflection

Since this is an **AI-first course**, you must: - Create a `.prompt/dev_notes.md` file in your repo. - Log at least **3 prompts** you used with Copilot, Cursor, or another AI IDE. - Include: 1. The **prompt you wrote** 2. The **AI output** 3. A **note on whether you accepted, modified, or rejected** the output - Write a **150-word reflection** in the same file: - Where AI helped you save time - Where AI made mistakes - How you balanced AI assistance with your own coding

Step 6: Final Touches

- Test your site in at least **two browsers**.
 - Validate your HTML and CSS.
 - Ensure navigation works across all pages.
 - Commit and push your code frequently.
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Step 7: Submission

1. Zip all project files (HTML, CSS, images, `.prompt/dev_notes.md`).
 2. Submit the `.zip` file on Canvas.
 3. Ensure your repo is also pushed to GitHub and shared with your instructor + GA.
 - a. **Include a link to your GitHub Repo in your HTML website submitted to Canvas**
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Grading Rubric

- **Content Quality (20%)** — meaningful biography, resume, projects, and contact info
 - **Design & Layout (20%)** — consistent styling, responsiveness, accessibility
 - **Technical Correctness (20%)** — valid HTML/CSS, working navigation, functional form
 - **AI Documentation (20%)** — `.prompt/dev_notes.md` with prompts + reflection
 - **Professionalism (20%)** — clean repo, organization, and attention to detail
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Tips for Success

- Don't let AI do *all* the work. Use it for scaffolding, but add your own content and styling choices.
 - Make your site feel like *you*. This is both a technical project and a creative expression.
 - Debugging AI mistakes is part of the assignment. Document when AI gets things wrong.
 - Look at your site on your phone — does it still look good?
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By the end of this project, you'll have a **personal multi-page website** that shows off your skills *and* your ability to use AI responsibly as a coding partner.