FINAL PROJECT: PERSONAL PORTFOLIO WEBSITE

Course: IT ELECTIVE 4

Technology Stack: *HTML5, CSS3 (Custom, Bootstrap, or Tailwind), Git/GitHub*

Project Overview

For your final project, you will design, develop, and deploy a responsive personal portfolio website. This website will serve as your digital resume, showcasing your biography, technical skills, and a collection of your academic or personal projects.

The goal of this project is to demonstrate your mastery of web structure (HTML), styling and layout (CSS/Frameworks), and modern deployment workflows (Git & GitHub Pages).

Technical Requirements

A. Structure (HTML5)

- The website must use **Semantic HTML5** tags (e.g., <header>, <nav>, <main>, <section>, <footer>, <article>) rather than relying solely on <div> tags.

- Code must be properly indented and commented.

- The document structure must be logical and accessible.

B. Styling (Choose One Path)

You may choose **one** of the following styling approaches:

1. **Pure CSS:** Use Flexbox and/or CSS Grid for layouts. Must include CSS variables (:root) and media queries.

2. **Bootstrap 5:** Use the Bootstrap grid system and components. You must include a custom style.css file to override at least 20% of the default styles (e.g., custom colors, fonts, spacing) to ensure it doesn't look like a generic template.

3. **Tailwind CSS:** Use utility classes for styling. Ensure your configuration allows for custom fonts or colors if necessary.

C. Responsiveness

- The website must be **fully responsive**.

- It must look good and function correctly on:
  - Mobile devices (Portrait)
  - Tablets
  - Desktop screens

- Navigation menus on mobile must be user-friendly (e.g., a hamburger menu or simplified stacked links).

D. Deployment

- The source code must be hosted in a public **GitHub Repository**.

- The live site must be deployed via **GitHub Pages**.

- The repository must include a README.md file explaining what the project is and the tech stack used.

Content Requirements

Your portfolio must contain the following sections (either as a Single Page Application with scroll links or separate HTML pages):

1. **Hero Section:** A visually appealing introduction with your name, a tagline/title (e.g., "Aspiring Web Developer"), and a "Call to Action" button (e.g., "View My Work").

2. **About Me:** A professional biography, a profile photo, and a brief overview of your background.

3. **Skills:** A visual representation of your technical skills (e.g., HTML, CSS, JavaScript, Python, Design). You may use progress bars, icons, or tags.

4. **Projects Gallery:**

    ○ Display at least **3 projects** (can be assignments from this class or other subjects).
    ○ Each project card must include: Title, Screenshot/Image, Description, and a Link to view code or live demo.

5. **Contact:** A section providing ways to contact you. This can include a form (visual only, or functional via services like Formspree) and links to your social media (LinkedIn, GitHub, etc.).

Submission Guidelines

Deadline: December 20, 2025

How to Submit:

Submit a text file or paste into the STEP LMS containing:

1. **Live URL:** (e.g., https://username.github.io/portfolio)

2. **Repository URL:** (e.g., https://github.com/username/portfolio)

Resources & Examples

- **Sample Portfolio:** Check out this live example to understand the expected output and structure:

    ○ https://sorianojp.github.io/my-portfolio/

- **Video Tutorial:** Need help deploying? Watch this guide on hosting with GitHub Pages:

    ○ How To Create a GitHub Portfolio in 5 minutes