

CSS and HTML Assignment: Build a Portfolio Page

Assignment Overview:

In this assignment, you have to create a personal portfolio webpage that showcases your skills, projects, and contact information. The goal is to apply intermediate CSS techniques and HTML structure, focusing on layout, typography, and design best practices.

Instructions:

1. HTML Structure:

- Create an HTML page with the following sections:
 - **Header:** Contains the portfolio title, navigation menu with links to sections (About, Projects, Skills, Contact).
 - **About:** A section with your picture (use a placeholder image) and a short bio.
 - **Projects:** Display 3-4 sample projects with a project title, short description, and an image (use placeholders).
 - **Skills:** A list or grid of your top 5 skills.
 - **Contact:** A simple contact form with fields for name, email, and message, along with a submit button.
 - **Footer:** A footer section with copyright info and social media links (icons or text).

2. CSS Requirements:

- **CSS Reset:** Include a CSS reset at the beginning of your CSS file to ensure cross-browser consistency.
- **Typography:** Use at least two different fonts (one for headings and another for body text) from Google Fonts. Apply good typography practices such as line-height, letter-spacing, and font-size.
- **Box Model:** Use margins, paddings, and borders effectively to separate content and improve the visual layout.
- **Backgrounds and Colors:**
 - Apply a background color to the body element.
 - Use a complementary color scheme for your sections, headers, and buttons.
 - Add a subtle background gradient to the header section.
- **Borders and Shadows:**
 - Apply rounded corners to the contact form's input fields.
 - Use box shadows on project images and the header for depth.
- **Navigation:** Style the navigation menu with a hover effect (underline or background color change).

- **Layout:** Use **CSS Flexbox** or **CSS Grid** to layout the projects and skills sections.
 - Projects should be displayed in a 2-column grid or flex layout.
 - Skills should be in a 2 or 3-column layout.
- **Hover and Active States:**
 - Add hover effects to the project images (e.g., scale up slightly or change the opacity).
 - Style the buttons with hover and active states (e.g., background color change).
- **Forms:** Style the contact form inputs and the submit button. Ensure the form elements are visually consistent and appealing.

3. **Additional Requirements:**

- Use semantic HTML5 elements (`<header>` , `<footer>` , `<section>` , etc.).
- Ensure the code is well-organized with proper indentation.
- Use CSS comments to explain important sections of your code.