

## Web Application Development

### Assignment # 4 -Total Marks 100

**Assignment:** Building a Personal Portfolio Website

**Problem Statement:** As an aspiring web developer, you have decided to create a personal portfolio website to showcase your skills, projects, and experiences. This assignment will help you apply your knowledge of HTML, CSS, PHP, and MySQL to build a dynamic and interactive portfolio.

**Required Functionality:**

**Home Page: [10 marks]**

- Create an appealing home page that introduces yourself and provides a brief overview of your skills and interests. Include a navigation menu that links to different sections of your portfolio.

**Skills Page: [10 marks]**

- Develop a page that lists your technical skills. This could include programming languages, frameworks, tools, etc.
- Use HTML to structure the content and CSS to style the page.

**Projects Page: [20 marks]**

- Showcase at least three projects you have worked on. Include project names, descriptions, and any relevant images or links.
- Utilize CSS to create a visually appealing layout for presenting your projects.

**Contact Form: [20 marks]**

- Implement a contact form using HTML and PHP. The form should include fields for the visitor's name, email, and a message.
- Validate the form on the server-side using PHP to ensure that all required fields are filled and the email is in a valid format. On submit, the form information should be saved in database.

**Database Integration: [40 marks]**

- Create a MySQL database to store information about your projects and contact form. Each project entry should include a title, description, and a link.
- Use PHP to fetch and display project information dynamically on the Projects Page.

**Deliverables:**

- Submit the source code of your project, organized into separate HTML, CSS, and PHP files.
- Clearly comment your code to explain the purpose of major sections.
- Screen shots of project and form information entries in database.

**Live Demo (optional):**

- Host your portfolio website on a server (you can use free hosting services).
- Provide a link to the live website along with your submission.

*NOTE: Explore additional features to make your portfolio stand out. Good luck.*