**SDLC Phases for the Portfolio Website Design**

**Planning:**

Define project goals, scope, and features.

Identify target audience and user needs.

Create a roadmap for the project.

**Design:**

Develop class and sequence diagrams.

Design the website's architecture and user interface.

Plan the layout and functionality.

**Development:**

Implement the backend and frontend components.

Integrate user authentication and database.

Build core website features like blogs and projects.

**Testing:**

Conduct unit and integration tests.

Perform functional and security testing.

Fix bugs and ensure the website works smoothly.

**Maintenance:**

Monitor website performance and user feedback.

Regularly update features and fix issues.

Support users and improve the website based on evolving needs.