

Task 1

Mini Project: Portfolio Website

Project Title: Personal Portfolio Website

Objective:

To design and develop a responsive personal portfolio website using HTML5, CSS3, and Bootstrap 4. The website should showcase your skills, projects, and contact information in a professional manner.

Requirements:

1. General Requirements:

- Use HTML5 for structure.
- Use CSS3 for styling.
- Use Bootstrap 4 for responsive design.
- Ensure the website is fully responsive and mobile-friendly.
- Ensure cross-browser compatibility (Chrome, Firefox, Safari, Edge).

2. Website Structure:

- **Home Page:**
 - A welcoming hero section with a background image or video.
 - A brief introduction about yourself.
- **About Page:**
 - Detailed information about your background, education, and skills.
 - Use Bootstrap cards to display skills.
- **Projects Page:**
 - Showcase your projects with descriptions and images/screenshots.
 - Each project should have a modal or dedicated section with more details.
- **Contact Page:**
 - A contact form with fields for name, email, subject, and message.
 - Display contact information such as email, phone number, and social media links.

3. Design Requirements:

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- **Navigation Bar:**
 - Use Bootstrap's navigation bar component.
 - Sticky navigation that remains at the top while scrolling.
- **Footer:**
 - Consistent footer across all pages with copyright information and social media links.
- **Typography:**
 - Use Google Fonts for custom fonts.
 - Ensure readability with proper font sizes and line heights.
- **Color Scheme:**
 - Choose a professional and aesthetically pleasing color scheme.
- **Animations:**
 - Use CSS animations for subtle effects (e.g., hover effects on buttons, smooth scrolling).
 - Use Bootstrap's modal or carousel for project showcases.

4. Functionality:

- **Responsive Design:**
 - Use Bootstrap's grid system to ensure a responsive layout.
 - Test responsiveness on different devices and screen sizes.
- **Contact Form:**
 - Implement form validation using HTML5.
- **Interactive Elements:**
 - Use Bootstrap components like modals, carousels, and tooltips to enhance interactivity.

5. Code Quality:

- Follow HTML5 semantic conventions.
- Use CSS3 for custom styles and Bootstrap 4 classes for layout and components.
- Ensure clean, readable, and well-commented code.

6. Documentation:

- Include a README file with instructions on how to set up and run the project.
- Provide a brief explanation of each section of the website.

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Deliverables:

1. Source code files (HTML, CSS, and any assets used).
2. A README file with setup instructions.
3. **A live demo link (Should be hosted in GitHub).**

Evaluation Criteria:

1. **Design:** Aesthetics, color scheme, typography, and overall visual appeal.
2. **Responsiveness:** Functionality and appearance on various devices and screen sizes.
3. **Code Quality:** Cleanliness, structure, and comments in the code.
4. **Functionality:** Proper implementation of all required features and interactivity.
5. **Documentation:** Clarity and completeness of the README file.