

Assignment: Bootstrap Practice Lab

Objective:

To apply Bootstrap concepts in creating a responsive webpage that showcases various Bootstrap components and utilities.

Requirements and Marking Weights:

1. Setup (10%):

- Proper inclusion of Bootstrap via CDN and viewport meta tag.

2. Navigation Bar (15%):

- Responsive navigation bar with Bootstrap Navbar component, including correct links and brand logo/text.

3. Hero Section (15%):

- Well-designed hero section with image, heading, and subheading using Bootstrap's Container for alignment.

4. Services Section (15%):

- Implementation of Bootstrap's Grid System to display services/features in columns with icons, titles, and descriptions.

5. Portfolio or Gallery Section (15%):

- Use of Bootstrap's Cards to create a responsive and organized portfolio/gallery section.

6. Contact Form (15%):

- Properly styled contact form with name, email, message fields, and a submit button using Bootstrap's Form components.

7. Footer (5%):

- Simple footer with copyright information and optional social media icons.

8. Code Quality and Documentation (10%):

- Well-formatted and commented HTML/CSS code, explaining the use of Bootstrap classes.

Total: 100%

Extra Challenge (Bonus 5%): Customize Bootstrap theme colors using custom CSS.

Submission Instructions:

1. GitHub:

- Create a new repository for your Bootstrap project.
- Push your project files (HTML, CSS, and any other assets) to the repository.
- Ensure your README.md file includes a brief explanation of the project and any special instructions for viewing or testing the webpage.
- Submit the link to your GitHub repository via Blackboard.

2. Blackboard:

- Alongside your GitHub repository link, submit a PDF of your brief report (1-2 pages) on Blackboard. The report should describe your design choices, implementation of responsive design principles with Bootstrap, and any challenges you encountered.
- Make sure to include your name and student ID in both your GitHub README and the report submitted on Blackboard.

Grading Criteria:

- Each section of the webpage will be evaluated based on the above marking weights.
- Special attention will be given to the responsiveness, aesthetic appeal, and correct use of Bootstrap components.
- The extra challenge will offer bonus points for creativity and technical skill in customizing Bootstrap.
- Submissions must be made by the deadline specified in your course syllabus to be eligible for full marks.

This structured assignment, complete with marking weights and detailed submission instructions, aims to guide students through a practical application of Bootstrap, encouraging both technical proficiency and design creativity.