

OVERVIEW: This assignment will assess your understanding of Bootstrap concepts covered in Module 5. You'll apply Bootstrap utilities, forms, tables, images, and components to create a fully functional, responsive web page.

INSTRUCTIONS: In VS Code, complete the following tasks in your .html and .css files.

Create a New Webpage Using Bootstrap:

- 1. Set up a basic HTML file with the Bootstrap CDN linked in the <head> section.
- 2. Use a **container** or **container-fluid** to structure your layout.

Part 1: Form Creation and Layout

Build a **Registration Form** using Bootstrap's form components:

- Include fields for **First Name**, **Last Name**, **Email**, **Password**, and a checkbox for agreeing to terms.
- Use **Bootstrap's grid layout** to position the **First Name** and **Last Name** fields side-by-side.
- Apply validation classes to ensure the Email and Password fields are required.
- Add a **Submit button** styled with btn-success.

Part 2: Table for Displaying Data

Simulate Data Collection:

- Below the form, create a **table** using Bootstrap's **table component**.
- Hard-code user data into the table to simulate submissions.
- Add **striped and hoverable rows** for better readability.
- Make the table **responsive** by wrapping it in a table-responsive div.

Part 3: Image and Button Utilities

Add an Image Section:

- Include a **responsive image** using the img-fluid class.
- Place the image inside a **fluid container** to stretch it across the page.
- Add a **circular image** (rounded-circle) below the main image.

Create Two Buttons with Utility Classes:

- One **button** should be **visible on all screen sizes**.
- The second **button** should be **hidden on small screens** using responsive display utilities (d-none and d-md-block).

Part 4: Navigation Bar

Build a Responsive Navigation Bar:

- Create a **navbar** with links to **Home**, **About**, and **Contact** sections.
- Ensure the **navbar collapses** into a **hamburger menu** on smaller screens.
- Use Bootstrap utilities and components to style the navbar.

Project Requirements

1. Form Creation and Layout:

- Use Bootstrap's form components to create a registration form with fields for First Name, Last Name, Email, Password, and a checkbox for agreeing to terms.
- Apply Bootstrap grid layout to position the First Name and Last Name fields side-by-side.
- Use **validation classes** to ensure the **Email** and **Password** fields are required.
- Add a **submit button** styled with btn-success.

2. Table for Displaying Data:

- Create a Bootstrap table to display user data.
- Hard-code sample data into the table to simulate user submissions.
- o Apply **striped and hoverable rows** to enhance readability.

• Make the table **responsive** by wrapping it in a table-responsive div.

3. Image and Button Utilities:

- Add a responsive image using the img-fluid class and place it inside a fluid container to stretch across the page.
- o Below the main image, add a **circular image** (rounded-circle).
- Create two buttons:
 - One button should be visible on all screen sizes.
 - The second button should be **hidden on small screens** using responsive utilities (d-none and d-md-block).

4. Responsive Navigation Bar:

- o Build a **navbar** with links to **Home**, **About**, and **Contact** sections.
- Ensure the **navbar collapses** into a **hamburger menu** on smaller screens.
- Use **Bootstrap utilities** and components to style the navbar.

5. Responsiveness and Layout:

- Use Bootstrap containers (container or container-fluid) to structure the layout.
- Ensure that all components are responsive across different screen sizes using media queries and Bootstrap utilities.

Submission Guidelines

1. GitHub Repository:

- o Create a **GitHub repository** for this assignment.
- o Add your **HTML file** and any supporting CSS or images to the repository.
- Include a README . md file with a brief description of your project, outlining key features and components used.

2. **Testing:**

- Verify that the **navbar collapses** correctly on smaller screens.
- Ensure all **buttons**, **images**, **forms**, and **tables** are styled as required.
- Check that the page **renders properly across devices** and browsers.

3. File Structure:

- Ensure all files are **organized** and named appropriately.
- Place your HTML file at the root of the repository and organize any images or assets in appropriate folders.

4. Submission:

• Submit the **GitHub repository link** in Google Classroom.

5. Bonus Consideration:

• Use **code comments** to highlight bonus features, making them easy to identify during grading.

Grading Criteria (Out of 25 Points):

Criteria	Points	Description
Form Creation	6 pts	Proper use of form components, grid layout, and validation.
Table Styling	5 pts	Responsive table with hard-coded data and proper styling.
Image Utilities	4 pts	Use of img-fluid, rounded, and rounded-circle.
Button Utilities	4 pts	Proper use of display utilities for responsive buttons.
Navigation Bar	5 pts	Navbar collapses correctly and is styled with Bootstrap.
Responsiveness & Layout	lpt	Page adjusts correctly across different screen sizes.