

UNIVERSITY OF THE PUNJAB

BS (SE) Fall 2022 Morning

Web Engineering

Lab 07

Submission Deadline: 11:59PM

Total Marks: 50

Lab Contents:

1. [Breakpoints](#)
2. [Grid System](#)
3. [Bootstrap Containers](#)
4. [Column Alignment](#)
5. [Padding and Margin Utilities](#)

Learning + Helping Resources:

<https://getbootstrap.com/>

<https://getbootstrap.com/docs/5.3/getting-started/introduction/>

<https://www.w3schools.com/bootstrap5/>

<https://www.youtube.com/watch?v=Awuh5frXPk&list=PLILHCSUYUeIPbyWKGB02H9sLcanETYkxt&index=1>

OverView:

In this lab manual, we will dive into the fascinating world of web development by exploring the Bootstrap framework.

Throughout this lab, we'll emphasize the use of Bootstrap's syntax to efficiently implement various components such as Breakpoints, classes, containers (container and container-fluid), flexbox utilities, buttons, and more.

Important instructions:

1. Utilize Bootstrap classes extensively for layout structuring and styling.
2. Ensure to incorporate containers (container and container-fluid) appropriately to organize content.
3. Leverage flexbox and grid utilities for flexible and responsive layout designs.
4. Use Bootstrap buttons (contained and outlined) for interactive

elements.

5. Use bootstrap row and column classes.
6. Feel free to use any images and icons as needed.
7. Focus on accurately implementing the provided design while adhering to Bootstrap's principles of simplicity and efficiency.

Task-01: pricing section

In this task you have to implement the design below.

1. Bootstrap Grid System

- `row` and `col-md-*` classes to create a three-column responsive layout for the pricing cards.

2. Bootstrap Card Component

- `.card` for each pricing box.
- `.card-body` for the content within each card.

3. Bootstrap Typography Utilities

- **Headings:** `.h1`, `.h2`, `.h4`, etc., to adjust text size for the section title and plan titles.
- **Text Centering:** `.text-center` to center-align the text within cards and for headings.
- **Font Weight:** `.fw-bold` to make certain text elements bolder.

4. Bootstrap Buttons

- `.btn` to style buttons within each card.
- `.btn-outline-primary`, `.btn-outline-success`, or similar for the "Get Started" buttons with outline styles.
- `.btn-sm` for smaller button size.

5. Bootstrap Badge Component

- `.badge` and `.bg-primary` (or `.bg-secondary`, `.bg-success`, etc.) for a badge like "Most Popular" on the Advanced card.

6. Bootstrap Spacing Utilities

- **Margin:** `.mb-3`, `.mt-4`, `.mb-2`, etc., to add space between elements inside the cards.
- **Padding:** `.p-3`, `.pt-4`, etc., for padding within the cards or around sections.

7. Bootstrap Shadow Utilities

- `.shadow` or `.shadow-sm` to add shadow effects around each card, giving a floating look.

8. Bootstrap Border and Border Radius Utilities

- `.rounded` or `.rounded-lg` to add rounded corners to the cards.

9. Bootstrap Colors

- **Text Colors:** `.text-primary`, `.text-success`, `.text-muted` for different text colors.
- **Background Colors:** `.bg-light` for the card background or section background.

10. Bootstrap Icons (Optional, if Bootstrap Icons Library is Used)

- `<i class="bi bi-check-circle">` for checkmark icons next to each feature, if using Bootstrap Icons.

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