

UNIT – III

1. Write a code snippet for a split button dropdown where the main button triggers an action, and the dropdown button reveals a menu.
2. Design a dropdown menu that includes a small login form with fields for email and password.
3. Describe the purpose of dropdown menus in Bootstrap and explain how they improve user navigation.
4. What is the distinction between the `.nav` and `.navbar` classes in Bootstrap?
5. Create a product catalog layout using Bootstrap, where each product displays its name along with a badge that indicates its status (e.g., New, Sale, or Out of Stock), using different badge colors.
6. What are button groups in Bootstrap, and how can they be used to organize related actions effectively?
7. Explain the role of classes like `.dropdown-menu` and `.dropdown-toggle` in creating dropdown components.
8. Design a Bootstrap layout with a horizontal button group containing three buttons: Save, Edit, and Delete. Below it, place a vertical button group with the same buttons, ensuring proper alignment and spacing using Bootstrap utility classes.
9. Discuss the implementation of pagination in Bootstrap.
10. What are the benefits of using classes such as `.text-muted` or `.text-uppercase` in Bootstrap?
11. Create a button group with three buttons labeled "Left", "Middle", and "Right". Implement functionality so that the "Middle" button is selected by default.
12. Develop a navigation bar with tabs labeled "Home", "Profile", and "Messages", ensuring that "Home" is selected initially.

UNIT – IV

1. Using Bootstrap's API, demonstrate how to programmatically initialize tooltips on a set of buttons.
2. Provide examples of small (`.modal-sm`) and large (`.modal-lg`) modals, and show how to toggle them programmatically.
3. What does the `.fade` class do in Bootstrap 5? Provide an example of using it with a modal.
4. Create a set of tabs that allow users to switch between "Home", "Profile", and "Messages" sections upon clicking.
5. What are toggleable button states in Bootstrap, and how do they enhance the user experience?
6. Explain the various types of alerts in Bootstrap and their intended purpose.
7. How does Bootstrap's programmatic API allow you to control components like modals and tooltips using JavaScript?
8. Create a webpage that features a Bootstrap modal triggered by a button click. The modal should include a title, text content, and two buttons: "Close" and "Save Changes".
9. How are transitions used to create smooth animations for elements like modals and collapsible panels?
10. How does Scrollspy improve the user experience on single-page applications?
11. What are toggleable tabs in Bootstrap, and how do they help organize content efficiently?

12. Build a navigation bar that includes a dropdown menu with three links: Profile, Settings, and Logout. Ensure the dropdown menu is activated by a click event.

UNIT – V

1. What are the functions of the data-bs-ride, data-bs-interval, and data-bs-pause attributes in a Bootstrap carousel? Provide an example.
2. Create a responsive landing page using Bootstrap, complete with a navbar, hero section, and footer.
3. Write an example of how to customize the primary button color by altering the @primary variable in LESS.
4. How do you add indicators to a Bootstrap carousel? Provide an example of a carousel with indicators.
5. What is the purpose of typeahead functionality in web design?
6. How do indicators and controls work in a Bootstrap carousel?
7. Explain how themes can ensure design consistency and branding across a website.
8. Write an HTML page that uses a customized Bootstrap theme, applying a dark theme to the navbar and buttons, while maintaining a consistent color scheme across the page.
9. What are the benefits of using LESS over traditional CSS when customizing Bootstrap?
10. What are the advantages of integrating a carousel into web design?
11. Why is accessibility important in Bootstrap carousels?
12. Create a responsive Bootstrap carousel with three slides, each containing an image, heading, and caption. Add navigation controls to allow users to move between the slides.