Web Designing Assignment

Module (Bootstrap) – 6

1. What are the advantages of Bootstrap?

Ans.
- **Responsive design: Bootstrap makes it easy to create websites that work well on various screen sizes.**
- **Pre-designed components: It comes with built-in components like buttons, modals, navigation, etc.**
- **Cross-browser compatibility: Works consistently across modern browsers.**
- **Customizable: You can tailor the framework to your needs via SASS or LESS.**
- **Grid system: Makes layout management flexible and simple.**

2. What is a Bootstrap Container, and how does it work?

Ans.
- ➢ **Container is a fundamental layout component in Bootstrap used to align the content within a webpage. It can be a:**
    - **.container: Provides a fixed-width container, which changes width based on the screen size.**
    - **.container-fluid: Provides a full-width container that spans the entire width of the viewport.**

3. What are the default Bootstrap text settings?

Ans.
- ➢ **Bootstrap includes styles for text color, alignment, transform, and size. Common text classes include:**
    - **.text-left, .text-center, .text-right for alignment.**
    - **.text-muted for muted/gray text.**
    - **.lead for lead (larger) text.**

- **Font size classes: .h1 to .h6, etc.**

4. What do you know about the Bootstrap Grid System?

Ans. The Bootstrap Grid System is based on a 12-column layout. It uses a combination of rows and columns to create responsive layouts. The grid system automatically adapts to different screen sizes.

5. What is the difference between Bootstrap 4 and Bootstrap 5?

Ans.
- **Bootstrap 5 removed jQuery dependency, while Bootstrap 4 relies on it.**
- **Bootstrap 5 offers enhanced grid and utility classes, new components (like the off-canvas), and better customization options. It also removes support for IE 10 and 11.**

6. What is a Button Group, and what is the class for a basic Button Group?

Ans.
➤ **A Button Group allows you to group a series of buttons together on a single line. The class is btn-group.**
Example:
<div class ="btn-group">
< button type="button" class="btn btn-primary">Left</button>
< button type="button" class="btn btn-primary">Middle </button>
< button type="button" class="btn btn-primary">Right</button>

7. How can you use Bootstrap to make thumbnails?

Ans.
➤ **You can create image thumbnails using the .img-thumbnail class:**
Example:
<img src="path/to/image.jpg" class="img-thumbnail" alt="Thumbnail Image">

8. **In Bootstrap 4, what is flexbox?**

   Ans. - Flexbox in Bootstrap 4 is a layout model used to align items in rows or columns. Bootstrap utilizes flexbox utilities like .d-flex, .justify-content-center, .align-items-center, etc., to arrange content.

9. **How can one create an alert in Bootstrap?**

   Ans.
   - **Bootstrap provides pre-styled alerts using the .alert class, along with contextual classes like .alert-success, .alert-danger, etc.**

   Example:

   ```
   <div class="alert alert-success" role="alert">
           This is a success alert!
   </div>
   ```