**Assignment**

**MODULE: 6 (Bootstrap Basic & Advance)**

**1.** **What are the advantages of Bootstrap?**

Easy to prevent repetitions among multiple projects. Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device. Maintaining consistency among projects when using multiple developer teams. Quick design of prototypes.

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

In Bootstrap, container is used to set the content's margins dealing with the responsive behaviors of your layout. It contains the row elements and the row elements are the container of columns (known as grid system). The container class is used to create boxed content**.**

**3. What are the default Bootstrap text settings?**

Bootstrap 5 uses a default font-size of 1rem (16px by default), and its line-height is 1.5.

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

Bootstrap's grid system allows up to 12 columns across the page. If you do not want to use all 12 column individually, you can group the columns together to create wider columns: span 1. span 1.

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

|  |  |  |
| --- | --- | --- |
| **BASIS OF** | **BOOTSTRAP 4** | **BOOTSTRAP 5** |
| Grid System | It has 5 tier (xs, sm, md, lg, xl). | It has 6 tier (xs, sm, md, lg, xl, xxl). |
| Color | It has limited colors. | Extra colors added with the looks, A card improved color palette. there are various shades available to choose. |
| Jquery | It has jquery and all related plugins. | Jquery is removed and switched to vanilla JS with some working plugins |
| Navbar | We have inline-block property and we will get white dropdown as default for dropdown-menu-dark class. | Inline-block property is removed and we will get black dropdown as default for dropdown-menu-dark class. |
| Vertical Classes | Columns can be positioned relative | Columns cannot be positioned relative |

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

Button Groups” in Bootstrap is a class of name “btn-group” which is used to create series of buttons in groups (without spaces) vertically or horizontally. This is the basic syntax of the button group class where each button has its own class of “btn”

**7. How can you use Bootstrap to make thumbnails?**

Add an <a> tag with the class of . thumbnail around an image.

This adds four pixels of padding and a gray border.

On hover, an animated glow outlines the image.

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

The biggest difference between Bootstrap 3 and Bootstrap 4 is that Bootstrap 4 now uses flexbox, instead of floats, to handle the layout.

The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.

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

Alerts are available for any length of text, as well as an optional close button. For proper styling, use one of the eight required contextual classes (e.g., .alert-success). For inline dismissal, use the alerts JavaScript plugin.

**10. What is a bootstrap card and how would you create one?**

A card is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options. If you're familiar with Bootstrap 3, cards replace our old panels, wells, and thumbnails.