**Module – 6 Bootstrap**

**(1) What are the advantages of Bootstrap?**

**Ans**  1)Easy to prevent repetitions among multiple projects.

2) Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device.

3) Maintaining consistency among projects when using multiple developer teams.

4) Quick design of prototypes.

5) Cross-browser compatibility

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

**Ans**  A Bootstrap container is a fundamental layout element in the Bootstrap framework, which is a popular front-end library for developing responsive and mobile-first websites. Containers are used to wrap site content and provide a means to control the width of the layout, ensuring that the content is centered and properly aligned on the page.

**(3) What are the default Bootstrap text settings?**

**Ans** Bootstrap uses a default font-size of 16px, and its line-height is 1.5. The default font-family is "Helvetica Neue", Helvetica, Arial, sans-serif. In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem .

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

Ans Bootstrap's grid system is a responsive layout system that uses rows, columns, and containers to align and organize content. It's built with flexbox and can automatically adjust to the size of the screen to ensure that the layout looks good on any device.

**(5) What is the difference between Bootstrap 4 and Bootstrap 5**

**Ans**

|  |  |
| --- | --- |
| **Bootstrap 4** | **Bootstrap 5** |
| The Bootstrap 4 form has jquery. | The jquery is not utilized in Bootstrap 5. |
| Bootstrap 4 has less collection of colors. | Has vibrant and more colors available. |
| Browsers restrictions. | Bootstrap 5 improved the browser restriction. |
| It has 5 tier grid system. | It has 6 tier grid system. |
| The APIs cannot be customized. | Allows modifying APIs or develop own API. |
| The positioning feature is absent. | Columns can be positioned. |
| Less CSS usability. | More CSS properties also customized properties. |
| Uses default form development tools. | Better development of forms. |
| There is no offcanvas component. |  |

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

**Ans Button Groups” in Bootstrap is a class of name “btn-group” which is used to create a series of buttons in groups (without spaces) vertically or horizontally.**

1 btn-default

2 btn-primary

.3 btn-success

.4 btn-info

.5 btn-warning

.6 btn-danger

.7 btn-link

**(7) How can one create an alert in Bootstrap?**

**Ans <div class="alert alert-primary" role="alert">**

**A simple primary alert—check it out! </div>**

**(8) What is a bootstrap card and how would you create one?**

**Ans**  A Bootstrap card is a flexible and extensible content container, built with the Bootstrap front-end framework. Cards can be used to display various kinds of content, including images, text, links, and more, in a structured and visually appealing way. They are highly customizable and can include a variety of components, such as headers, footers, images, and content sections.

**(9) In Bootstrap 4, what is flexbox?**

**Ans**  In Bootstrap 4, Flexbox is a layout model that allows developers to design complex and flexible layouts with ease. It provides a way to align and distribute space among items in a container, even when their size is unknown or dynamic. Flexbox is particularly useful for creating responsive layouts, as it allows elements to adjust and align themselves based on the available space.

Bootstrap 4 uses Flexbox as its default layout model for many of its components and utilities. This makes it easier to create responsive and adaptive designs.