**Web Designing Assignment**

**Module (Bootstrap) -05**

**Advantages of Bootstrap:**

It provides a faster and easier way for web development.

It creates platform-independent web pages.

It designs responsive web pages for mobile devices too.

It is a free and open-source framework.

It provides consistent cross-browser compatibility.

It offers a wide range of customizable themes and styles.

**Bootstrap Container:**

Containers are the most basic layout element in Bootstrap and are required when using the default grid system.

Containers are used to contain, pad, and (sometimes) center the content within them.

Bootstrap comes with three different containers: .container, .container-fluid, and .container-{breakpoint}.

**Default Bootstrap Text Settings:**

Bootstrap allows you to customize your available font-sizes by modifying the $font-sizes Sass map.

You can quickly change the font-weight or font-style of text with these utilities.

**Bootstrap Grid System:**

Bootstrap grid system uses a series of containers, rows, and columns to layout and align content.

It’s built with flexbox and is fully responsive.

Grid columns are created by specifying the number of 12 available columns you wish to span.

**Difference between Bootstrap 4 and Bootstrap 5:**

Bootstrap 5 has an extended color palette compared to Bootstrap 4.

jQuery is removed in Bootstrap 5 and switched to vanilla JS.

Bootstrap 5 doesn’t support IE 10 and 11, unlike Bootstrap 4.

The look of form elements in Bootstrap 5 will not change on different OS or browsers.

Bootstrap 5 allows you to modify and create your own utility, unlike Bootstrap 4.

**Button Group in Bootstrap:**

Button group is a component provided by Bootstrap which helps to combine the buttons in a series in a single line.

All types of buttons are supported by it.

**Creating Thumbnails in Bootstrap:**

Thumbnails are created to provide a quick preview of images with small images.

A thumbnail is created using the .thumbnail class within the <a> element.

**Flexbox in Bootstrap 4:**

Bootstrap 4’s grid system is built with flexbox.

It offers easy alignment and mixes well with other Bootstrap components.

**Creating an Alert in Bootstrap:**

Alerts are created with the .alert class, followed by one of the four contextual classes .alert-success, .alert-info, .alert-warning, or .alert-danger.

To close the alert message, add a .alert-dismissible class to the alert container.

**Bootstrap Card:**

A card in Bootstrap is a bordered box with some padding around its content.

It includes options for headers, footers, content, colors, etc.

Cards replace old panels, wells, and thumbnails in Bootstrap .

**Creating a card:**

The card class is used to create a card.

The card-img-top class is used to add an image to the top of the card.

The card-body class is used to add a container for the content of the card.

Inside the card-body, you can use the card-title and card-text classes to add a title and some text.

You can also add a link with the btn and btn-primary classes to create a blue button.

Example:

<div class="card" style="width: 18rem;">

<img src="image.jpg" class="card-img-top" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card Title</h5>

<p class="card-text">TEXT TEXT TEXT TEXT< p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>