**BOOTSTRAP Assignment**

1. What are the advantages of Bootstrap?

Ans: - 1. Responisive Design

2. Consistent Designs

3.Customizable

4.Faster Development

5.Accessibility

6.Easy to Integrate

7.Loaded JavaScript Components

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

Ans: - Bootstrap Containers are the most basic layout element in Bootstrap.

Basically, there are two types of container classes available in

Bootstrap.

1. Container: - This class creates a fixed-width Container.

Ex.

<!DOCTYPE html>

<html lang="en">

<head>

    <title>container</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

    <div class="container">

        <h1 class="text-bg-primary">This is container</h1>

        <p class="text-bg-secondary">This container class.</p>

    </div>

</body>

1. Container-fluid: - The Container-fluid class to create a full width container, that will always use the entire width of the screen

Ex.

<!DOCTYPE html>

<html lang="en">

<head>

    <title>container-fluid</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

    <div class="container-fluid">

        <h1 class="text-bg-primary">This is container-fluid</h1>

        <p class="text-bg-secondary">This is container-fluid class.</p>

    </div>

</body>

</html>

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

Ans: -

|  |  |
| --- | --- |
| Bootstrap 4 | Bootstrap 5 |
| Limited color palette | Expanded color palette with various shades |
| Uses jQuery | jQuery removed, |
| 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. |
| Less CSS usability. | More CSS properties also customized properties. |
| No themes customization. | Provides theme customization. |

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

Ans: -The Button Group is used to create a series of buttons in group vertically

And horizontally.

EX.

<!DOCTYPE html>

<html lang="en">

<head>

  <title>DOCUMENT</title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

  <h2>Button Group</h2>

  <div class="btn-group">

    <button type="button" class="btn btn-primary">HTML</button>

    <button type="button" class="btn btn-primary">CSS</button>

    <button type="button" class="btn btn-primary">JS</button>

  </div>

</div>

</body>

</html>

1. How can you use Bootstrap to make thumbnails?

Ans: - The create a thumbnail in Bootstrap using the class “img-thumbnail”

Ex.

<!DOCTYPE html>

<html lang="en">

<head>

  <title>Document</title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="container mt-3">

  <h2>Thumbnail</h2>

  <p>This create thumbnail using img-thumbnail</p>

  <img src="pexels-kawaiiart.jpg" class="img-thumbnail" alt="Cinque Terre" width="200" height="200">

</div>

</body>

</html>

1. In Bootstrap 4, what is flexbox?

Ans: - In Bootstrap 4, Flexbox is layout model used to design responsive and flexible web layouts. Flexbox, short for "Flexible Box Layout," is a CSS3 layout mode that provides a more efficient way to arrange, align, and distribute space among items in a container, even when their size is unknown or dynamic. makes it easier to design flexible responsive layout structure without using float or positioning.

1. How can one create an alert in Bootstrap?

Ans: - Creating an alert in Bootstrap is simple and involves using predefined CSS classes to style the alert component. Bootstrap provides an easy way to create predefined alert messages.

Ex.

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Document</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>

    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>

</head>

<body>

    <div class="container">

        <h2>Alerts</h2>

        <div class="alert alert-success">

            <p>I am alert-successs.</p>

        </div>

        <div class="alert alert-info">

            <p>I am alert -info.</p>

        </div>

        <div class="alert alert-warning">

            <p> I am alert-warning.</p>

        </div>

        <div class="alert alert-danger">

            <p>I am alert-danger.</p>

        </div>

    </div>

</body>

</html>

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

Ans:- The Bootstrap card is a bordered box with some padding around its content. It includes options for headers, footers, content, colors, etc.

Ex.

<!DOCTYPE html>

<html lang="en">

<head>

    <title>Bootstrap card</title>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

    <div class="container mt-3">

        <h2>Bootstrap Card</h2>

        <div class="card" style="width:250px">

            <img class="card-img-top" src="business-person.png" alt="Card image" style="width:100%">

            <div class="card-body">

                <h3 class="card-title">Akash Chaudhary</h3>

                <p class="card-text">I am Front End Developer</p>

                <a href="#" class="btn btn-primary">See Profile</a>

            </div>

        </div>

    </div>

    </div>

</body>

</html>

