

# Web Designing Assignment

## **MODULE:6**

### Bootstrap Basic & Advanced

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

Advantages of Bootstrap:

- It makes websites **look good on all devices** (phones, tablets, computers).
- Provides **ready-made** buttons, forms, and other design elements.
- Saves **time** because you don't have to write all the CSS from scratch.
- Uses a **grid system** to help arrange things neatly.
- Works **well on all browsers** (Chrome, Firefox, Edge, etc.).

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

- A **container** is like a box that holds your content.
- It keeps things **centered** and adjusts size depending on the screen.
- Two main types:
  - .container → Has a **fixed** width.
  - .container-fluid → **Full width**, covers the whole screen.

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

- Uses a clean, modern **sans-serif font**.

- Default text size is **16px**.
- Line spacing is **1.5 times the text size**.
- Text is **black** by default but can be changed using utility classes.

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

The **Bootstrap Grid System** is a way to arrange content neatly on a webpage using **rows and columns**. It helps make websites responsive, meaning they adjust automatically to different screen sizes

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

- **No jQuery** in Bootstrap 5 (faster and lighter).
- New **utility classes** for easier customization.
- Improved **grid system** with better spacing.
- **New icons** (Bootstrap Icons).
- **Better form styling** for checkboxes, radio buttons, etc.

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

- A **Button Group** in Bootstrap is a way to group multiple buttons together in a **single line** or **stacked vertically**. It helps keep buttons organized and aligned properly.
- Class to use: `.btn-group`

```
<div class="btn-group">
```

```
  <button class="btn btn-primary">One</button>
```

```
  <button class="btn btn-primary">Two</button>
```

```
  <button class="btn btn-primary">Three</button>
```

```
</div>
```

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

In Bootstrap, you can create **thumbnails** using the **card component** or by adding the `.img-thumbnail` class to an image.

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

  

  <div class="card-body">

    <p class="card-text">Some text here</p>

  </div>

</div>
```

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

A tool that helps with **alignment and spacing** in layouts.

Some useful classes:

- `.d-flex` → Makes an element flexible.
- `.justify-content-center` → Centers items horizontally.
- `.align-items-center` → Centers items vertically.

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

- Alerts are messages that stand out (like error or success messages).
- Use this code:

```
<div class="alert alert-warning">
```

This is a warning alert!

```
</div>
```

- Change the class to `.alert-success`, `.alert-danger`, etc., for different colors.