

Assignment

MODULE: 5 (Bootstrap Basic & Advance)

1) What are the advantages of Bootstrap?

Ans: Advantages of Bootstrap:

- **Easy to use:** Anybody with just basic knowledge of HTML and CSS can start using Bootstrap
- **Responsive features:** Bootstrap's responsive CSS adjusts to phones, tablets, and desktops
- **Mobile-first approach:** In Bootstrap, mobile-first styles are part of the core framework
- **Browser compatibility:** Bootstrap 5 is compatible with all modern browsers (Chrome, Firefox, Edge, Safari, and Opera).
- **JavaScript plugins to your rescue**
- **Updates at the doorstep**
- **Extremely user-centric**
- **Highly customizable**
- **Top-notch support**

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

Ans: Containers are the most basic layout element in Bootstrap and are required when using our default grid system. Containers are used to contain, pad, and (sometimes) center the content within

them. While containers can be nested, most layouts do not require a nested container.

Ex:- `<div class="container">`

`<h1>My First Bootstrap Page</h1>`

`<p>This part is inside a .container class.</p>`

`<p>The .container class provides a responsive
fixed width container.</p>`

`<p>Resize the browser window to see that the container
width will change at different breakpoints.</p>`

`</div>`

3) What are the default Bootstrap text settings?

Ans: Bootstrap uses a default **font-size of 1rem (16px by default)**, and its **line-height is 1.5**. In addition, all `<p>` elements have **margin-top: 0** and **margin-bottom: 1rem (16px by default)**.

4) What do you know about the Bootstrap Grid system?

Ans: Bootstrap's grid system **uses a series of containers, rows, and columns to layout and align content**. It's built with flexbox and is fully responsive. Bootstrap's grid system is responsive, and the columns will re-arrange depending on the screen size: On a big screen it might look better with the content organized in three columns, but

on a small screen it would be better if the content items were stacked on top of each other.

span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1
span 4				span 4				span 4			
span 4				span 8							
span 6						span 6					
span 12											

5) What is the difference between Bootstrap 4 and Bootstrap 5?

Ans:

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

Internet Explorer	Bootstrap 4 supports both IE 10 and 11.	Bootstrap 5 doesn't support IE 10 and 11.
Utilities API	We cannot modify utilities in bootstrap 4	Bootstrap 5 gave freedom to modify and also create our own utility
Gutter	We use .glutter with fontsize in px	We use .g* with fontsize in rem
Bootstrap Icons	Bootstrap 4 doesn't have its own SVG icons, we have to use font-awesome for icons.	Bootstrap 5 have its own SVG icons
Jumbotron	It supports.	It doesn't support jumbotron.
Vertical Classes	Columns can be positioned relative	Columns cannot be positioned relative
Offcanvas Component	It does not support Offcanvas Component.	It supports Offcanvas Component(that is it is available now).
RTL Support	It does not enable RTL(Right to Left) switching.	It enables RTL(Right to Left) switching.

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 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”.

```
<div class="btn-group">  
  <button type="button" class="btn">Click</button>  
</div>
```

7) How can you use Bootstrap to make thumbnails?

Ans: Bootstrap Thumbnails:

1. Add an `<a>` tag with the class of . thumbnail around an image.
2. This adds four pixels of padding and a gray border.
3. On hover, an animated glow outlines the image

8) In Bootstrap 4, what is flexbox?

Ans: 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. To create a flexbox container and to transform direct children into flex items, use the **d-flex** class:

```
<div class="d-flex p-3 bg-secondary text-white">  
  <div class="p-2 bg-info">Flex 1</div>  
  <div class="p-2 bg-warning">Flex 2</div>  
  <div class="p-2 bg-primary">Flex 3</div>  
</div>
```

9) How can one create an alert in Bootstrap?

Ans: Bootstrap 5 provides an easy way to create predefined alert messages:

Alerts are created with the **.alert** class, followed by one of the contextual classes **.alert-success**, **.alert-info**, **.alert-warning**, **.alert-danger**, **.alert-primary**, **.alert-secondary**, **.alert-light** or **.alert-dark**:

Example:

```
<div class="container mt-3">  
  <div class="alert alert-success">  
    <strong>Success!</strong> This alert box is success alert.  
  </div>  
  <div class="alert alert-info">  
    <strong>Info!</strong> This alert box is info alert.  
  </div>  
  <div class="alert alert-warning">  
    <strong>Warning!</strong> This alert box is warning alert.  
  </div>
```

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

Danger! This alert box is danger alert.

</div>

<div class="alert alert-primary">

Primary! This alert box is primary alert.

</div>

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

Secondary! This alert box is secondary alert.

</div>

Success! This alert box could indicate a successful or positive action.

Info! This alert box could indicate a neutral informative change or action.

Warning! This alert box could indicate a warning that might need attention.

Danger! This alert box could indicate a dangerous or potentially negative action.

Primary! Indicates an important action.

Secondary! Indicates a slightly less important action.

10) What is a Bootstrap card and how would you create one?

Ans: 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. Similar functionality to those components is available as modifier classes for cards.

```
<div class="container">  
  <div class="card" style="width:250px">  
      
    <div class="card-body">  
      <h4 class="card-title">Kunal Patel</h4>  
      <div class="card-text">Frontend Developer</div>  
      <a href="#" class="btn btn-success">See Profile</a>  
    </div>  
  </div>  
</div>
```




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Kunal Patel

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[See Profile](#)