



Frontend Assignment

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Course: Front End Development

Assignment-6 Web Designing

(Bootstrap Basic & Advance)

1) What are the advantages of Bootstrap?

Ans) **Advantages of Bootstrap:**

1. Easy initiation
2. Responsiveness.
3. Highly customizable.
4. Extremely user-centric.
5. Top-notch support.
6. Cross-browser compatibility.
7. JavaScript plugins to your rescue.
8. Far-reaching popularity.
9. Ample documentation.
10. Updates at the doorstep.

2) What is a 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.

Bootstrap comes with three different containers:

- .container, which sets a max-width at each responsive breakpoint
- .container-fluid, which is width: 100% at all breakpoints
- .container-{breakpoint}, which is width: 100% until the specified breakpoint

3) What are the default Bootstrap text settings?

Ans) Bootstrap 4 uses a default font-size of 16px, and its line-height is 1.5. The default fontfamily is "Helvetica Neue", Helvetica, Arial, sans-serif.

In addition, all 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. Below is an example and an in-depth look at how the grid comes together.

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.

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) **Step by step guide for the implementation:**

Step 1: Include Bootstrap and jQuery CDN into the <head> tag before all other stylesheets to load our CSS.

Step 2: Add [<div>](#) tag in the HTML body with class row. In that <div> create four *div* sections to create four images.

Step 3: Add “col-sm-6” and “col-md-3” to four *div* sections which creates webpage responsive.

Step 4: Add [<a>](#) tag with class value thumbnail to define the link of the image in the next line.

```
<a href="#" class="thumbnail">
```

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.

9) How can one create an alert in Bootstrap?

Ans) **Alerts** are created with the .alert class, followed by one of the four contextual classes:

- .alert-success

- .alert-info
- .alert-warning
- .alert-danger

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



Ans) A **bootstrap 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="card" style="width: 18rem;">  
    
  <div class="card-body">  
    <h5 class="card-title">Richard Taylor</h5>  
    <h3 class="card-text">Some quick pre text.</h3>
```

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