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Course: Frontend Assignment

MODULE : 6 [Bootstrap basic & Advance]

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QUE:01→ What are the advantages of Bootstrap?

Ans)

- Easy initiation
- Responsiveness.
- Highly customizable.
- Extremely user-centric.
- Top-notch support.
- Cross-browser compatibility.
- JavaScript plugins to your rescue.
- Far-reaching popularity.

QUE:02→ 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) centre the content within them. While containers can be nested, most layouts do not require a nested container.

Containers are used for many purposes such as –

- It requires use with the default grid system.

- To establish width for the layout to give web content.

- To provide responsive fixed behavior of any web project.

- To sets the content margin dealing with the responsive behavior of your layout.

- Bootstrap has the default class or predefined class is ".container" & ".container-fluid" class for layout. 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.

Basically, there are three types of container classes available in bootstrap:

1. **Default-Container(container)**
2. **Responsive-Container(along with sm, md, lg, xl, xxl)**
3. **Fluid-Container(container-fluid)**

QUE:03→ 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 font-family is "Helvetica Neue", Helvetica, Arial, sans-serif.

- In addition, all <p> elements have margin-top: 0 and margin-bottom: 1rem (16px by default).

Bootstrap 4 uses a default font-size but some are following then

<h1> - <h6>

- ➢ Bootstrap 4 styles HTML headings (<h1> to <h6>) with a bolder font-weight and an increased font-size:

<blockquote>

- ➢ Add the .blockquote class to a <blockquote> when quoting blocks of content from another source:

<small>

> In Bootstrap 4 the HTML <small> element is used to create a lighter, secondary text in any heading:

<mark>

> Bootstrap 4 will style the HTML <mark> element with a yellow background color and some padding:

<abbr>

> Bootstrap 4 will style the HTML <abbr> element with a dotted border bottom:

QUE:04 → **What do you know about the Bootstrap Grid System?**

Ans)

- Bootstrap's grid system allows up to 12 columns across the page.

- If you do not want to use all 12 column individually, you can group the columns together to create wider columns:

- Bootstrap grid system table are following them.

Bootstrap **Grid System**

COL-3		COL-3		COL-3		COL-3	
COL-4			COL-4		COL-4		
COL-6				COL-6			
COL-2		COL-2		COL-2		COL-2	COL-2	COL-2
COL-1	COL-1	COL-1	COL-1	COL-1	COL-1	COL-1	COL-1	COL-1	COL-1	COL-1	COL-1

QUE:05 → What is the difference between Bootstrap 4 and Bootstrap 5?

Bootstrap 4	Bootstrap 5
➢ It has 5 tier (xs, sm, md, lg, xl).	➢ It has 6 tier (xs, sm, md, lg, xl, xxl).
➢ It has limited colors.	➢ Extra colors added with the looks.
➢ It has jquery and all related plugins.	➢ Jquery is removed and switched to vanilla JS with some working plugins
➢ Bootstrap 4 supports both IE 10 and 11.	➢ Bootstrap 5 doesn't support IE 10 and 11.

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>
```

- Buttons have a default border-radius on the first and last buttons of the group.

- Adding Styles on Buttons: Bootstrap allows you to add styles to your buttons using the following classes:

- .btn-default
- .btn-primary
- .btn-success
- .btn-info
- .btn-warning
- .btn-danger
- .btn-link

QUE:07 → How can you use Bootstrap to make thumbnails?

Ans)

Generally 3 varios step use to make a thumbnails and responsive images.

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.

Responsive Images

Images come in all sizes. So do screens. Responsive images automatically adjust to fit the size of the screen.

Create responsive images by adding an `.img-responsive` class to the `<img>` tag. The image will then scale nicely to the parent element.

```
<img class="img-responsive" src="img_chania.jpg" alt="Chania">
```

QUE:08 → **In Bootstrap 4, what is flexbox?**

Ans)

Flexbox

- 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. If you are new to flex, you can read about it in our CSS Flexbox Tutorial

QUE:09 → **How can one create an alert in Bootstrap?**

Ans)

Bootstrap provides an easy way to create predefined alert messages

Success! This alert box indicates a successful or positive action.

✕Info! This alert box indicates a neutral informative change or action.

✕Warning! This alert box indicates a warning that might need attention.

✕Danger! This alert box indicates a dangerous or potentially negative action.

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

QUE:10 → What is a bootstrap card and how would you create one?

Ans)

- A card in Bootstrap 4 is a bordered box with some padding around its content. It includes options for headers, footers, content, colors, etc.

- 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.