

Module (Bootstrap Basic & Advanced) – 6

1) What are the advantages of Bootstrap?

Ans:

- **Saving time:** This is the biggest advantage of Bootstrap that using it increases the development speed and gets the work done in a very short time. On the contrary, if you want to create a responsive design without bootstrap by yourself, then you have a lot of time in it. May take
- **Easy to use:** If you have basic knowledge of HTML and CSS, then you can easily use Bootstrap.
- **Responsive Design:** Through bootstrap you can easily create responsive design. If your website is responsive then it adjusts itself according to the screen size in any platform or device like desktop, laptop, mobile etc.
- **Extremely user-centric:** While creating landing pages, it is very important to design from the user's point of view. If a landing page is engaging, only then does it appeal to the audience.
- **Highly customizable:** You can find an array of templates in Bootstrap. However, if you find them unappealing, you can concoct your customization using the CSS file.

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.

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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 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).

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 improved color palette
jQuery	It has jQuery and all related plugins.	jQuery is removed and switched to vanilla JS with some working plugins.
Internet Explorer	Bootstrap 4 support both IE 10 &11	Bootstrap 4 doesn't support both IE 10 &11
Form elements	Radio buttons, checkboxes have different looks in different OS and browser	Whether it may be any OS or browser, the look of form elements will not change.
Utilities API	We cannot modify utilities in bootstrap 4	Bootstrap 5 gave freedom to modify and also create our own utility

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".

7) How can you use Bootstrap to make thumbnails?

Ans:

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.

8) In Bootstrap 4, what is flexbox?

Ans:

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:

Bootstrap Alerts are used to provide an easy way to create predefined alert messages. Alert adds a style to your messages to make it more appealing to the users.

There are four classes that are used within <div> element for alerts.

.alert-success

.alert-info

.alert-warning

.alert-danger

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.