

Module (Bootstrap Basic & Advanced) – 6

Q1.What are the advantages of Bootstrap?

Ans:- Easy to prevent repetitions among multiple projects. Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device. Maintaining consistency among projects when using multiple developer teams. Quick design of prototypes.

Q2. What is a Bootstrap Container, and how does it work?

Ans:- In Bootstrap, container is used to set the content's margins dealing with the responsive behaviors of your layout. It contains the row elements and the row elements are the container of columns (known as grid system). The container class is used to create boxed content.

Q3. What are the default Bootstrap text settings?

Ans:- Bootstrap 5 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).

Q4. 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.

Q5. What is the difference between Bootstrap 4 and Bootstrap 5

Ans:- **Difference between Bootstrap 4 and Bootstrap 5**

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.

BASIS OF

BOOTSTRAP 4

BOOTSTRAP 5

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.

Form elements

Radio buttons, checkboxes have different look in different OS and browsers. The form uses whatever default browsers provide.

The look of form elements will not change, on different OS or browser. The forms can be customized and form controls can be added, they would not depend on browser.

BASIS OF

BOOTSTRAP 4

BOOTSTRAP 5

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

Vertical Classes

Columns can be positioned relative

Columns cannot be positioned relative

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.

BASIS OF

BOOTSTRAP 4

BOOTSTRAP 5

Card deck

The card deck is used to create an isset of cards with equal width and height.

Card deck class in removed in bootstrap

Navbar

We have inline-block property and we will get white dropdown as default for dropdown-menu-dark class.

Inline-block property is removed and we will get black dropdown as default for dropdown-menu-dark class.

Static Site Generator

Bootstrap 4 uses Jekyll software.

Bootstrap 5 uses Hugo software as it is fast static site generator.

flexbox grid

this makes easier to implement

advanced grid system is made

BASIS OF

BOOTSTRAP 4

BOOTSTRAP 5

vertical designs, and the columns and rows can easily be implemented. the classes justify-center-content can directly be used to align according to the requirement.

available , also columns don't have relative positions.

RTL Support

It does not enable RTL(Right to Left) switching.

It enables RTL(Right to Left) switching.

Offcanvas Component

It does not support Offcanvas Component.

It supports Offcanvas Component(that is it is available now).

Q6. 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”.

Q7. How can you use Bootstrap to make thumbnails?

Ans:- Bootstrap By Building Projects

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.

Q8. 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.

Q9. How can one create an alert in Bootstrap?

Ans:- Here's how:

1. Be sure you've loaded the alert plugin, or the compiled Bootstrap JavaScript.
2. Add a close button and the
3. On the close button, add the data-bs-dismiss="alert" attribute, which triggers the JavaScript functionality. ...
4. To animate alerts when dismissing them, be sure to add the .

Q10. 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.