**Bootstrap Basic & Advance**

**MODULE: 6**

**• What are the advantages of Bootstrap?**

* Fewer Cross browser bugs
* A consistent framework that supports major of all browsers and CSS compatibility fixes
* Lightweight and customizable
* Responsive structures and styles
* Several JavaScript plugins using the jQuery
* Good documentation and community support
* Loads of free and professional templates, WordPress themes and plugins
* Great grid system

**• What is a Bootstrap Container, and how does it work?**

**Bootstrap Containers** are the most basic layout element in Bootstrap. Bootstrap **Containers**are very essential and basic building blocks of bootstrap that wrap a page’s content. It’s responsible for setting and aligning content within it according to viewport or given device. Containers are defined within the container class **(.container)**. In other words, we can say that containers are established the width for the layout to give the content. Elements and content are added within the container.

**•What are the default Bootstrap text settings?**

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).

# EX.h1 Bootstrap heading (2.5rem = 40px)

h2 Bootstrap heading (2rem = 32px)

h3 Bootstrap heading (1.75rem = 28px)

h4 Bootstrap heading (1.5rem = 24px)

h5 Bootstrap heading (1.25rem = 20px)

h6 Bootstrap heading (1rem = 16px)

**• What do you know about the Bootstrap Grid System?**

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | | | | | | | | | | | |

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

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.

**• What is the difference between Bootstrap 4 and 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. |
| **Card deck** | The card deck is used to create a set 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 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. | advanced grid system is made 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). |

**• What is a Button Group, and what is the class for a basic Button Group?**

## **Button Groups**

Bootstrap allows you to group a series of buttons together (on a single line) in a button group:

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Use a <div> element with class .btn-group to create a button group:

**• How can you use Bootstrap to make thumbnails?**

The .img-thumbnail class shapes the image to a thumbnail:

**• In Bootstrap 4, what is flexbox?**

In [Bootstrap 4](https://www.javatpoint.com/bootstrap-4), flex box is used to control the layout and alignment specification of Bootstrap 4 components. This box makes it easier to design flexible responsive layout structures without using float or positioning attributes.

**• How can one create an alert in Bootstrap?**

Bootstrap provides an easy way to create predefined alert messages:

[**×**](https://www.w3schools.com/bootstrap/bootstrap_alerts.asp)**Success!** This alert box indicates a successful or positive action.

[**×**](https://www.w3schools.com/bootstrap/bootstrap_alerts.asp)**Info!** This alert box indicates a neutral informative change or action.

[**×**](https://www.w3schools.com/bootstrap/bootstrap_alerts.asp)**Warning!** This alert box indicates a warning that might need attention.

[**×**](https://www.w3schools.com/bootstrap/bootstrap_alerts.asp)**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:

**• What is a bootstrap card and how would you create one?**

## Cards

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