

Boot Strap

Presented by

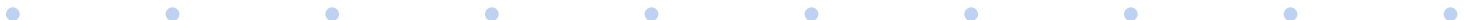


Sagar
Java Consultant

Bootstrap

Def:

- Bootstrap is the most popular and powerful front-end framework for faster and easier responsive web development.
- It includes HTML and CSS based design templates for creating common user interface components like forms, buttons, navigations, dropdowns, alerts etc.



Mobile-First Framework

Mobile-first front end framework.

- “Mobile first”, as the name suggests, means that we start the product design from the mobile end then expand its features to create a tablet or desktop version.

Mobile First Web Design



Responsive Web Design(RWD)

Responsive Web Design (RWD)

Responsive web design is a web design methodology that enables web to fit the screens of different devices automatically.



What can be done with Bootstrap?

- Easy creation of responsive websites.
- Creation of multi-column layout with pre-defined classes.
- Creation of different types of form layouts.
- Creation of different variation of navigation bar.



Containers

View Port :


The viewport is the user's visible area of a web page.

The viewport varies with the device, and will be smaller on a mobile phone than on a computer screen.

Bootstrap Containers :

The **.container** class provides a responsive fixed width container.

The **.container-fluid** class provides a full width container, spanning the entire width of the viewport



.container

A diagram illustrating the .container class. It shows a light gray rectangular box centered within a larger white rectangular frame, representing a fixed-width container.



.container-fluid

A diagram illustrating the .container-fluid class. It shows a light gray rectangular box that spans the entire width of the white rectangular frame, representing a full-width container.

CDN – Content Delivery Network

A content delivery network (CDN) is a network of interconnected servers that speeds up webpage loading for data-heavy applications.

When a user visits a website, data from that website's server has to travel across the internet to reach the user's computer.

Bootstrap uses CDN.

The links :

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
      rel="stylesheet" >
<link rel="stylesheet"
      href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script
      src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
```

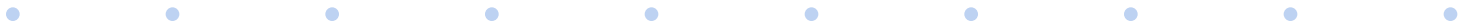
**Demo



Typography

Typography :

- Typography is the art of making the written matter look legible, attractive and appealing when displayed.
- Bootstrap sets a default font-size of 1rem, 16px by default.
- Bootstrap sets the line-height as 1.5
- For optimum text rendering on every device and OS through font-family, use the "Native Font Stack".



Inputs

Forms

Containers

Tables

Typography

Inputs –

Bootstrap supports the following form controls:

- input
- textarea
- checkbox
- radio
- select



Input groups

The `.input-group` class is a container to enhance an input by adding an icon, text or a button in front or behind it as a "help text".

The `.input-group-addon` class attaches an icon or help text next to the input field.



