

# Bootstrap

Bootstrap is used for developing responsive mobile & tables for their resolution using HTML, CSS and JavaScript Framework.

Bootstrap having pre-defined classes using that we can inherit their CSS property for our HTML Page also we make a customization on it.

## How to Implement in our HTML page:

- ✓ Using CDN (Content Delivery Network) in HTML (link in head tag),(script in head or body tag).

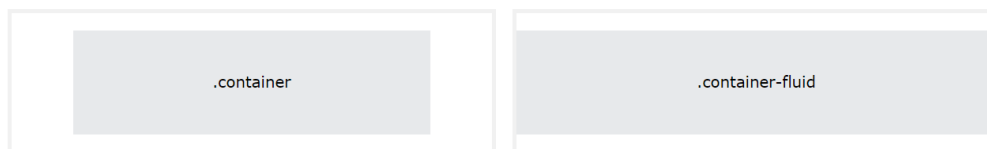
## Advantages of Bootstrap Page:

- ✓ **Easy to use:** Anybody with just basic knowledge of HTML and CSS can start using Bootstrap.
- ✓ **Responsive features:** Bootstrap's responsive CSS adjusts to phones, tablets, and desktops.
- ✓ **Mobile-first approach:** In Bootstrap 3, mobile-first styles are part of the core framework.
- ✓ **Browser compatibility:** Bootstrap is compatible with all modern browsers (Chrome, Firefox, Internet Explorer, Edge, Safari, and Opera).

## Bootstrap Version:

- ✓ Latest version of bootstrap is **Bootstrap V5.2**

## 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:

```
<div class="container" style="background-color:gray">
  <div>
    <h1>My First Bootstrap Page</h1>
    <p>This part is inside a .container class.</p>
    <p>The .container class provides a responsive fixed width container.</p>
  </div>
</div>
```

## My First Bootstrap Page

This part is inside a .container class.

The .container class provides a responsive fixed width container.

## Container-fluid:

```
<div class="container-fluid" style="background-color:gray">
<div>
<h1>My First Bootstrap Page</h1>
  <p>This part is inside a .container class.</p>
  <p>The .container class provides a responsive fixed width container.</p>
</div>
</div>
```

## My First Bootstrap Page

This part is inside a .container class.

The .container class provides a responsive fixed width container.

## Bootstrap Grid System

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

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

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											

## Grid Classes:

- ✓ **xs** (for phones - screens less than 768px wide)
- ✓ **sm** (for tablets - screens equal to or greater than 768px wide)
- ✓ **md** (for small laptops - screens equal to or greater than 992px wide)
- ✓ **lg** (for laptops and desktops - screens equal to or greater than 1200px wide)

## Basic Structure of a Bootstrap:

```
<div class="row">
  <div class="col-*-*"></div>
  <div class="col-*-*"></div>
</div>
<div class="row">
  <div class="col-*-*"></div>
  <div class="col-*-*"></div>
  <div class="col-*-*"></div>
</div>
<div class="row">
  ...
</div>
```

## Three Equal Columns:

```
Col oneCol TwoCol Three<div class="row">
  <div class="col-sm-4" style="background-color:gray;">Col one</div>
  <div class="col-sm-4" style="background-color:white;">Col Two</div>
  <div class="col-sm-4" style="background-color:yellow;">Col Three</div>
</div>
</div>
```

## Bootstrap Tables:

### Striped Rows:

```
<div class="container">
  <h2>Basic Table</h2>
  <table class="table">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Manoj</td>
        <td>S</td>
        <td>manojasaravanan212@gmail.com</td>
      </tr>
      <tr>
        <td>Sanjay</td>
        <td>S</td>
        <td>sanjaysaravanan212@gmail.com</td>
      </tr>
    </tbody>
  </table>
</div>
```

## Basic Table

Firstname	Lastname	Email
Manoj	S	manojasaravanan212@gmail.com
Sanjay	S	sanjaysaravanan212@gmail.com

Bordered Tables:

```
<table class="table table-bordered">
  <thead>
    <tr>
      <th>Firstname</th>
      <th>Lastname</th>
      <th>Email</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Manoj</td>
      <td>S</td>
      <td>manojasaravanan212@gmail.com</td>
    </tr>
    <tr>
      <td>Sanjay</td>
      <td>S</td>
      <td>sanjaysaravanan212@gmail.com</td>
    </tr>
  </tbody>
</table>
```

Bordered Table

Firstname	Lastname	Email
Manoj	S	manojasaravanan212@gmail.com
Sanjay	S	sanjaysaravanan212@gmail.com

Hover Rows:

```
<table class="table table-hover">
  <thead>
    <tr>
      <th>Firstname</th>
      <th>Lastname</th>
      <th>Email</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Manoj</td>
      <td>S</td>
      <td>manojasaravanan212@gmail.com</td>
    </tr>
    <tr>
      <td>Sanjay</td>
      <td>S</td>
      <td>sanjaysaravanan212@gmail.com</td>
    </tr>
  </tbody>
</table>
```

Hover Rows

The .table-hover class enables a hover state on table rows:

Firstname	Lastname	Email
Manoj	S	manojasaravanan212@gmail.com
Sanjay	S	sanjaysaravanan212@gmail.com

## Alerts:

```
<div class="container">
  <h2>Alerts</h2>
  <div class="alert alert-success">
    <strong>Success!</strong>God
  </div>
  <div class="alert alert-info">
    <strong>Info!</strong> Heaven
  </div>
  <div class="alert alert-warning">
    <strong>Warning!</strong> Evil
  </div>
  <div class="alert alert-danger">
    <strong>Danger!</strong> Hell
  </div>
</div>
```

## Alerts

Success!God

Info! Heaven

Warning! Evil

Danger! Hell

## Closing Alerts:

```
<div class="container">
  <h2>Alerts</h2>
  <div class="alert alert-success alert-dismissible">
    <a href="#" class="close" data-dismiss="alert">&times;</a>
    <strong>Success!</strong> God
  </div>
  <div class="alert alert-info alert-dismissible">
    <a href="#" class="close" data-dismiss="alert">&times;</a>
    <strong>Info!</strong>Heaven
  </div>
</div>
```

## Alerts

Success! God



Info!Heaven



## Button Styles:

Bootstrap provides different styles of buttons:

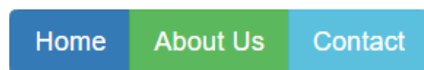


```
<div class="container">
  <h2>Button Styles</h2>
  <button type="button" class="btn">Basic</button>
  <button type="button" class="btn btn-default">Default</button>
  <button type="button" class="btn btn-primary">Primary</button>
  <button type="button" class="btn btn-success">Success</button>
  <button type="button" class="btn btn-info">Info</button>
  <button type="button" class="btn btn-warning">Warning</button>
  <button type="button" class="btn btn-danger">Danger</button>
  <button type="button" class="btn btn-link">Link</button>
</div>
```

## Button Group:

# Button Group

The `.btn-group` class creates a button group:



```
<div class="container">
  <h2>Button Group</h2>
  <div class="btn-group">
    <button type="button" class="btn btn-primary">Home</button>
    <button type="button" class="btn btn-success">About Us</button>
    <button type="button" class="btn btn-info">Contact</button>
  </div>
</div>
```

## Badges:

```
<div class="container">
  <h2>Badges</h2>
  <a href="#">Inbox <span class="badge">5</span></a><br>
  <a href="#">Sent <span class="badge">10</span></a><br>
  <a href="#">Span <span class="badge">2</span></a>
</div>
```

# Badges



## Dropdown:

- The `.dropdown` class indicates a dropdown menu.
- To open the dropdown menu, use a button or a link with a class of `.dropdown-toggle` and the `data-toggle="dropdown"` attribute.
- The `.caret` class creates a caret arrow icon (`^`), which indicates that the button is a dropdown.
- Add the `.dropdown-menu` class to a `<ul>` element to actually build the dropdown menu.

```

<div class="container">
<div class="dropdown">
<button class="btn btn-success dropdown-toggle" type="button" data-toggle="dropdown">Dropdown Example
<span class="caret"></span></button>
<ul class="dropdown-menu">
<li><a href="#">HTML</a></li>
<li><a href="#">CSS</a></li>
<li><a href="#">JavaScript</a></li>
</ul>
</div>
</div>

```

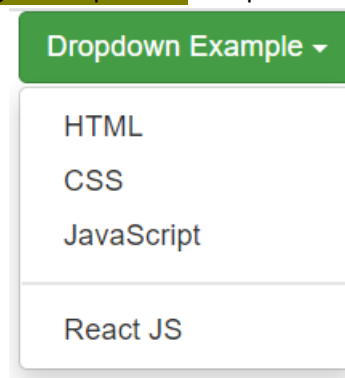


#### Divider:

```

<div class="container">
<div class="dropdown">
<button class="btn btn-success dropdown-toggle" type="button" data-toggle="dropdown">Dropdown Example
<span class="caret"></span></button>
<ul class="dropdown-menu">
<li><a href="#">HTML</a></li>
<li><a href="#">CSS</a></li>
<li><a href="#">JavaScript</a></li>
<li class="divider"></li>
<li><a href="#">React JS</a></li>
</ul>
</div>
</div>

```



#### Dropdown Header:

```

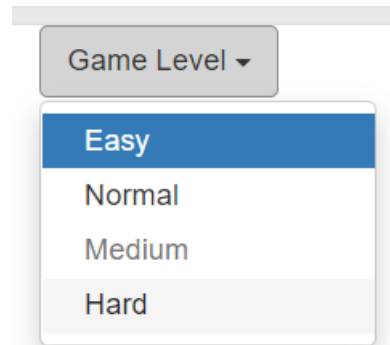
<div class="container">
<div class="dropdown">
<button class="btn btn-success dropdown-toggle" type="button" data-toggle="dropdown">Dropdown Example
<span class="caret"></span></button>
<ul class="dropdown-menu">
<li class="dropdown-header">Course 1:</li>
<li><a href="#">HTML</a></li>
<li><a href="#">CSS</a></li>
<li><a href="#">JavaScript</a></li>
<li class="divider"></li>
<li class="dropdown-header">Course 2:</li>
<li><a href="#">React JS</a></li>
</ul>
</div>
</div>

```



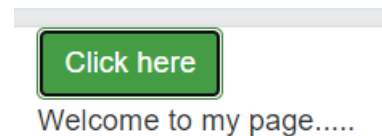
### Active and Disable items:

```
<div class="container">
  <div class="dropdown">
    <button class="btn btn-default dropdown-toggle" type="button" data-toggle="dropdown">Game Level
    <span class="caret"></span></button>
    <ul class="dropdown-menu">
      <li class="active"><a href="#">Easy</a></li>
      <li><a href="#">Normal</a></li>
      <li class="disabled"><a href="#">Medium</a></li>
      <li><a href="#">Hard</a></li>
    </ul>
  </div>
</div>
```



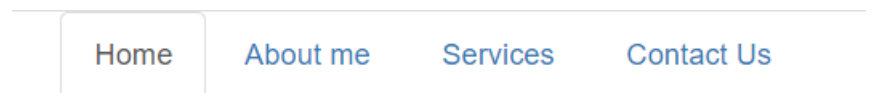
### Collapse:

```
<div class="container">
  <button type="button" class="btn btn-success" data-toggle="collapse" data-target="#about">Click here</button>
  <div id="about" class="collapse">
    Welcome to my page.....
  </div>
</div>
```



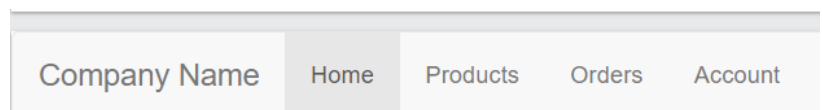
### Tabs:

```
<div class="container">
  <ul class="nav nav-tabs">
    <li class="active"><a href="#">Home</a></li>
    <li><a href="#">About me</a></li>
    <li><a href="#">Services</a></li>
    <li><a href="#">Contact Us</a></li>
  </ul>
</div>
```



### Navbar:

```
<nav class="navbar navbar-default">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">Company Name</a>
    </div>
    <ul class="nav navbar-nav">
      <li class="active"><a href="#">Home</a></li>
      <li><a href="#">Products</a></li>
      <li><a href="#">Orders</a></li>
      <li><a href="#">Account</a></li>
    </ul>
  </div>
</nav>
```





Form:

```
<div class="container">
<form action="#" method="get">
<div class="form-group">
<label for="email">Email:</label>
<input type="email" class="form-control" id="email" placeholder="Enter email" name="email">
</div>
<div class="form-group">
<label for="pwd">Password:</label>
<input type="password" class="form-control" id="pwd" placeholder="Enter password" name="pwd">
</div>
<div class="checkbox">
<label><input type="checkbox" name="remember"> Remember me</label>
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
```

Email:

Enter email

Password:

Enter password

☐ Remember me

Submit