

Bootstrap

Installation:

Step 1: Download the bootstrap.css/bootstrap.min.css

Step 2: Download the bootstrap.js/bootstrap.min.js (which is optional if it is added means then jquery should be installed)

Step 3: Include the bootstrap/bootstrap.min.css in index.html

Bootstrap CSS:

- 1 Container
- 2 List
- 3 Tables
- 4 Forms
- 5 Buttons
- 6 Images

1. Container:(Fixed Width)

Bootstrap requires a containing element to wrap site contents and house our grid system. You may choose one of two containers to use in your projects. Note that, due to padding and more, neither container is nestable.

Container -Fluid: (Full Width)

Use `.container-fluid` for a full width container, spanning the entire width of your viewport.

Grid:

```
<div class="container">  
  <div class="row">
```

```
<div class="col-md-3">Grid1</div>
<div class="col-md-3">Grid2</div>
<div class="col-md-3">Grid3</div>
<div class="col-md-3">Grid4</div>
</div>
<div class="row">
  <div class="col-xs-12 col-md-8">Col width 8</div>
  <div class="col-xs-6 col-md-4">Col width 4</div>
</div>
</div>
```

Text Align:

```
text-left
text-center
text-right
text-justify
text-nowrap
text-lowercase
text-uppercase
text-capitalize
<abbr title="attribute">attr</abbr> used to show help content
```

2.List

Unordered List:

Shows the list in bullet for which order is not a matter

```
<ul>
  <li>List one</li>
  <li>List two</li>
  <li>List three</li>
  <li>List four</li>
  <li>List five</li>
```

```
</ul>
```

Ordered List:

Shows the list in number for which the order is matter

```
<ol>
  <li>List one</li>
  <li>List two</li>
  <li>List three</li>
  <li>List four</li>
  <li>List five</li>
</ol>
```

Inline:

Displays the list in a single line with display: inline-block;

```
<ul class="list-inline">
  <li>List one</li>
  <li>List two</li>
  <li>List three</li>
  <li>List four</li>
  <li>List five</li>
</ul>
```

3.Tables

Structure:

```
<table class="table">
  ...
</table>
```

For Zebra style use the following in the class: table-striped

```
<table class="table table-striped">
  ...
```

```
</table>
```

Bordering Table:

```
<table class="table table-bordered">
```

```
...
```

```
</table>
```

Contextual Classes:

Class	Description
.active	Applies the hover color to a particular row or cell
.success	Indicates a successful or positive action
.info	Indicates a neutral informative change or action
.warning	Indicates a warning that might need attention
.danger	Indicates a dangerous or potentially negative action

```
<tr class="active">...</tr>
```

```
<tr class="success">...</tr>
```

```
<tr class="warning">...</tr>
```

```
<tr class="danger">...</tr>
```

```
<tr class="info">...</tr>
```

4.Forms:

To wrap labels and controls we use **form-group**

To have the form in a single line we use **form-inline**

To have the form horizontally we use **form-horizontal**

Disable FieldSet:

To disable all the fields in a forms we use

```
<fieldset disabled>
```

```
</fieldset>
```

Readonly state

Add the readonly boolean attribute on an input to prevent modification of the

input's value.

Read-only inputs appear lighter (just like disabled inputs), but retain the standard cursor.

```
<input class="form-control" type="text" placeholder="Readonly input here..."
readonly>
```

Validataor state:

Using these validation styles to denote the state of a

form control only provides a visual, color-based indication,

which will not be conveyed to users of

assistive technologies - such as screen readers - or to colorblind users.

```
<div class="form-group has-success">
```

```
<label class="control-label" for="inputSuccess1">Input with success</label>
```

```
<input type="text" class="form-control" id="inputSuccess1"
aria-describedby="helpBlock2">
```

```
<span id="helpBlock2" class="help-block">A block of help text that breaks onto a
new line and may extend beyond one line.</span>
```

```
</div>
```

form-group has-success

form-group has-warning

form-group has-error

Form validation with icons:

```
<div class="form-group has-success has-feedback">
```

```
<label class="control-label" for="inputSuccess2">Input with success</label>
```

```
<input type="text" class="form-control" id="inputSuccess2"
aria-describedby="inputSuccess2Status">
```

```
<span class="glyphicon glyphicon-ok form-control-feedback" aria-hidden="true"></
span>
```

```
<span id="inputSuccess2Status" class="sr-only">(success)</span>
```

```
</div>
```

5.Buttons

we can use button classes on an <a>, <button>, or <input> element.

```
<a class="btn btn-default" href="#" role="button">Link</a>
```

```
<button class="btn btn-default" type="submit">Button</button>
```

```
<input class="btn btn-default" type="button" value="Input">
<input class="btn btn-default" type="submit" value="Submit">
```

Button Options:

```
btn-default
btn-primary
btn-success
btn-info
btn-warning
btn-danger
btn-link
```

Button Sizes:

```
.btn-lg
.btn-sm
.btn-xs
```

Active state:

```
active
```

6.Images:

```



```

For rounded corners: img-rounded

For circle image: img-circle

For thumbnail image: img-thumbnail

Bootstrap Components:

- 1 GlyphIcons
- 2 Drop-downs
- 3 Button Groups
- 4 Button Drop downs

- 5 Input Groups
- 6 Nav
- 7 Breadcrumbs
- 8 Pagination
- 9 Label
- 10 Badges
- 11 PageHeader
- 12 Thumbnails
- 13 Alerts
- 14 ProgressBars
- 15 List Group

1.GlymphIcons:

Before using the icons the fonts should be available else the icons won't be displayed

Icon classes should only be used on elements that contain no text content and have no child elements.

```
<span class="glyphicon glyphicon-search" aria-hidden="true"></span>
```

To display icons during alert:

```
<div class="alert alert-danger" role="alert">
  <span class="glyphicon glyphicon-exclamation-sign" aria-hidden="true"></span>
  <span class="sr-only">Error:</span>
  Enter a valid email address
</div>
```

2.Dropdowns:

```
<div class="dropdown">

  <button class="btn btn-default dropdown-toggle" type="button"
id="dropdownMenu1"

    data-toggle="dropdown" aria-haspopup="true" aria-expanded="true">

    Dropdown

    <span class="caret"></span>

  </button>

  <ul class="dropdown-menu" aria-labelledby="dropdownMenu1">

    <li><a href="#">Action</a></li>

    <li><a href="#">Another action</a></li>

    <li><a href="#">Something else here</a></li>

    <li role="separator" class="divider"></li>

    <li><a href="#">Separated link</a></li>

  </ul>

</div>
```

Dropdown menus can be changed to expand upwards (instead of downwards) by adding `.dropup` to the parent.

Add `.disabled` to a `` in the dropdown to disable the link.

3.Button Groups:

```
<div class="btn-group" role="group" aria-label="...">

  <button type="button" class="btn btn-default">Left</button>

  <button type="button" class="btn btn-default">Middle</button>

  <button type="button" class="btn btn-default">Right</button>

</div>
```

4.Button Dropdowns:

Use any button to trigger a dropdown menu by placing it within a `.btn-group` and providing the proper menu markup.

```
<div class="btn-group">
```



```

    <button type="button" class="btn btn-default dropdown-toggle"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
    Action <span class="caret"></span>
</button>
<ul class="dropdown-menu">
    <li><a href="#">Action</a></li>
    <li><a href="#">Another action</a></li>
    <li><a href="#">Something else here</a></li>
    <li role="separator" class="divider"></li>
    <li><a href="#">Separated link</a></li>
</ul>
</div>

```

Splitup Dropdowns:

```

<!-- Split button -->
<div class="btn-group">
    <button type="button" class="btn btn-danger">Action</button>
    <button type="button" class="btn btn-danger dropdown-toggle"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
    <span class="caret"></span>
    <span class="sr-only">Toggle Dropdown</span>
</button>
<ul class="dropdown-menu">
    <li><a href="#">Action</a></li>
    <li><a href="#">Another action</a></li>
    <li><a href="#">Something else here</a></li>
    <li role="separator" class="divider"></li>
    <li><a href="#">Separated link</a></li>
</ul>
</div>

```

5.Input Groups:

CheckBox and RadioButton

```

<div class="row">

```

```

<div class="col-lg-6">
  <div class="input-group">
    <span class="input-group-addon">
      <input type="checkbox" aria-label="...">
    </span>
    <input type="text" class="form-control" aria-label="...">
  </div><!-- /input-group -->
</div><!-- /.col-lg-6 -->
<div class="col-lg-6">
  <div class="input-group">
    <span class="input-group-addon">
      <input type="radio" aria-label="...">
    </span>
    <input type="text" class="form-control" aria-label="...">
  </div><!-- /input-group -->
</div><!-- /.col-lg-6 -->
</div>

```

For Button Addons:

```

<div class="input-group">
  <span class="input-group-btn">
    <button class="btn btn-default" type="button">Go!</button>
  </span>
  <input type="text" class="form-control" placeholder="Search for...">
</div>

```

For buttons with dropdown:

```

<div class="input-group-btn">
  <button type="button" class="btn btn-default dropdown-toggle"
data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Action <span
class="caret"></span></button>
  <ul class="dropdown-menu">
    <li><a href="#">Action</a></li>

```

```

    <li><a href="#">Another action</a></li>
    <li><a href="#">Something else here</a></li>
    <li role="separator" class="divider"></li>
    <li><a href="#">Separated link</a></li>
  </ul>
</div>

```

Segmented Buttons:

```

<div class="input-group">
  <div class="input-group-btn">
    <!-- Button and dropdown menu -->
  </div>
  <input type="text" class="form-control" aria-label="...">
</div>

```

Multiple Buttons:

```

<div class="input-group">
  <div class="input-group-btn">
    <!-- Buttons -->
  </div>
  <input type="text" class="form-control" aria-label="...">
</div>
<div class="input-group">
  <input type="text" class="form-control" aria-label="...">
  <div class="input-group-btn">
    <!-- Buttons -->
  </div>
</div>

```

6.Nav

```

<ul class="nav nav-tabs">
  <li role="presentation" class="active"><a href="#">Home</a></li>
  <li role="presentation"><a href="#">Profile</a></li>

```

```
<li role="presentation"><a href="#">Messages</a></li>
</ul>
```

To view the tab as pills use nav-pills instead of nav-tabs

To view the tab as stackable use nav-stacked

7.BreadCrumbs

Indicate the current page's location within a navigational hierarchy.

```
<ol class="breadcrumb">
  <li><a href="#">Home</a></li>
  <li><a href="#">Library</a></li>
  <li class="active">Data</li>
</ol>
```

8.Pagination

Simple pagination inspired by Rdio, great for apps and search results. The large block is hard to miss, easily scalable, and provides large click areas.

```
<nav aria-label="Page navigation">
  <ul class="pagination">
    <li>
      <a href="#" aria-label="Previous">
        <span aria-hidden="true">&laquo;</span>
      </a>
    </li>
    <li><a href="#">1</a></li>
    <li><a href="#">2</a></li>
    <li><a href="#">3</a></li>
    <li><a href="#">4</a></li>
    <li><a href="#">5</a></li>
    <li>
      <a href="#" aria-label="Next">
```

```

        <span aria-hidden="true">&raquo;</span>
      </a>
    </li>
  </ul>
</nav>

```

Pager

Quick previous and next links for simple pagination implementations with light markup and styles. It's great for simple sites like blogs or magazines.

```

<nav aria-label="...">
  <ul class="pager">
    <li><a href="#">Previous</a></li>
    <li><a href="#">Next</a></li>
  </ul>
</nav>

```

Alignment of previous and next:

```

<nav aria-label="...">
  <ul class="pager">
    <li class="previous"><a href="#"><span aria-hidden="true">&larr;</span>
Older</a></li>
    <li class="next"><a href="#">Newer <span aria-hidden="true">&rarr;</span></a></li>
  </ul>
</nav>

```

Disabled: To disable a button

```
disabled
```

9.Labels

```

<h3>Example heading <span class="label label-default">New</span></h3>
<span class="label label-default">Default</span>
<span class="label label-primary">Primary</span>

```

```
<span class="label label-success">Success</span>
<span class="label label-info">Info</span>
<span class="label label-warning">Warning</span>
<span class="label label-danger">Danger</span>
```

10.Badges

Easily highlight new or unread items by adding a `` to links, Bootstrap navs, and more.

```
<a href="#">Inbox <span class="badge">42</span></a>
<button class="btn btn-primary" type="button">
  Messages <span class="badge">4</span>
</button>
```

11.PageHeader

A simple shell for an h1 to appropriately space out and segment sections of content

on a page. It can utilize the h1's default small element, as well as most other components

(with additional styles).

```
<div class="page-header">
  <h1>Example page header <small>Subtext for header</small></h1>
</div>
```

12.Thumbnails

By default, Bootstrap's thumbnails are designed to showcase linked images with minimal required markup.

```
<div class="row">
  <div class="col-xs-6 col-md-3">
```

```

    <a href="#" class="thumbnail">
      
    </a>
  </div>

  ...
</div>

```

custom Event:

With a bit of extra markup, it's possible to add any kind of HTML content like headings, paragraphs, or buttons into thumbnails.

```

<div class="row">
  <div class="col-sm-6 col-md-4">
    <div class="thumbnail">
      
      <div class="caption">
        <h3>Thumbnail label</h3>
        <p>...</p>
        <p><a href="#" class="btn btn-primary" role="button">Button</a> <a
href="#" class="btn btn-default" role="button">Button</a></p>
      </div>
    </div>
  </div>
</div>
</div>

```

13.Alerts:

There is no special class for alerts instead of class role is used

```

<div class="alert alert-success" role="alert">...</div>
<div class="alert alert-info" role="alert">...</div>
<div class="alert alert-warning" role="alert">...</div>
<div class="alert alert-danger" role="alert">...</div>

```

Dismissable Alerts

```

<div class="alert alert-warning alert-dismissible" role="alert">
  <button type="button" class="close" data-dismiss="alert"
aria-label="Close"><span aria-hidden="true">&times;</span></button>
  <strong>Warning!</strong> Better check yourself, you're not looking too good.
</div>

```

Linkable Alerts

```

<div class="alert alert-success" role="alert">
  <a href="#" class="alert-link">...</a>
</div>
<div class="alert alert-info" role="alert">
  <a href="#" class="alert-link">...</a>
</div>
<div class="alert alert-warning" role="alert">
  <a href="#" class="alert-link">...</a>
</div>
<div class="alert alert-danger" role="alert">
  <a href="#" class="alert-link">...</a>
</div>

```

14. Progress Bar

Progress bar with default

```

<div class="progress">
  <div class="progress-bar" role="progressbar" aria-valuenow="60"
aria-valuemin="0" aria-valuemax="100" style="width: 60%;">
    <span class="sr-only">60% Complete</span>
  </div>
</div>

```

Progress bar with label

```

<div class="progress">
  <div class="progress-bar" role="progressbar" aria-valuenow="60"
aria-valuemin="0" aria-valuemax="100" style="width: 60%;">

```



```
        60%  
    </div>  
</div>
```

15.ListGroup

```
Listgroup with badges  
<ul class="list-group">  
  <li class="list-group-item">  
    <span class="badge">14</span>  
    Cras justo odio  
  </li>  
</ul>
```