



Bootstrap

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What is Bootstrap

- Bootstrap is a free front-end framework for faster and easier web development
- Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins
- Bootstrap also gives you the ability to easily create responsive designs

What is Responsive Web Design?

Responsive web design is about creating web sites which automatically adjust themselves to look good on all devices, from small phones to large desktops.

Why Use Bootstrap

Advantages of Bootstrap:-

- **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, mobile-first styles are part of the core framework
- **Browser compatibility:** Bootstrap 4 is compatible with all modern browsers (Chrome, Firefox, Internet Explorer 10+, Edge, Safari, and Opera)
- **Bootstrap 4 is mobile-first**
- Bootstrap 4 is designed to be responsive to mobile devices. Mobile-first styles are part of the core framework.
- To ensure proper rendering and touch zooming, add the following `<meta>` tag inside the `<head>` element:
- `<meta name="viewport" content="width=device-width, initial-scale=1">`
- The `width=device-width` part sets the width of the page to follow the screen-width of the device (which will vary depending on the device).

- The initial-scale=1 part sets the initial zoom level when the page is first loaded by the browser.

Containers

Bootstrap 4 also requires a containing element to wrap site contents.

There are two container classes to choose from:

1. The .container class provides a responsive **fixed width container**
2. The .container-fluid class provides a **full width container**, spanning the entire width of the viewport
3. Bootstrap 4 Grid System
4. Bootstrap's grid system is built with flexbox and allows up to 12 columns across the page.
5. If you do not want to use all 12 columns individually, you can group the columns together to create wider columns:
6. The grid system is responsive, and the columns will re-arrange automatically depending on the screen size.

span 1	span 1	span 1	span 1	span 1	span 1	span 1	span 1	s
span 4				span 4				
span 4				span 8				
span 6						span 6		
span 12								

Grid Classes

The Bootstrap 4 grid system has five classes:

- .col- (extra small devices - screen width less than 576px)
- .col-sm- (small devices - screen width equal to or greater than 576px)
- .col-md- (medium devices - screen width equal to or greater than 768px)

- .col-lg- (large devices - screen width equal to or greater than 992px)
- .col-xl- (xlarge devices - screen width equal to or greater than 1200px)
- **Bootstrap Colors :-**
 - Text Colors :-
 - `<p class="text-muted">This text is muted.</p>`
 - `<p class="text-primary">This text is important.</p>`
 - `<p class="text-success">This text indicates success.</p>`
 - `<p class="text-info">This text represents some information.</p>`
 - `<p class="text-warning">This text represents a warning.</p>`
 - `<p class="text-danger">This text represents danger.</p>`
 - `<p class="text-secondary">Secondary text.</p>`
 - `<p class="text-dark">This text is dark grey.</p>`
 - `<p class="text-body">Default body color (often black).</p>`
 - `<p class="text-light">This text is light grey (on white background).</p>`
 - `<p class="text-white">This text is white (on white background).</p>`

Background Colors :-

`<p class="bg-primary text-white">This text is important.</p>`

`<p class="bg-success text-white">This text indicates success.</p>`

`<p class="bg-info text-white">This text represents some information.</p>`

`<p class="bg-warning text-white">This text represents a warning.</p>`

`<p class="bg-danger text-white">This text represents danger.</p>`

`<p class="bg-secondary text-white">Secondary background color.</p>`

`<p class="bg-dark text-white">Dark grey background color.</p>`

`<p class="bg-light text-dark">Light grey background color.</p>`

Bootstrap Basic Table :-

```
<table class="table">
  <thead>
    <tr>
      <th>Emp Id</th>
      <th>Emp Name</th>
      <th>Emp Sal</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>101</td>
      <td>aa</td>
      <td>25000</td>
    </tr>
    <tr>
      <td>102</td>
      <td>bb</td>
      <td>40000</td>
    </tr>
  </tbody>
</table>
```

```
<table class="table table-striped">
  <thead>
    <tr>
      <th>Emp Id</th>
```

```
<th>Emp Name</th>
<th>Emp Sal</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td>aa</td>
<td>25000</td>
</tr>
<tr>
<td>102</td>
<td>bb</td>
<td>40000</td>
</tr>
</tbody>
</table>

<table class="table table-bordered">
<thead>
<tr>
<th>Emp Id</th>
<th>Emp Name</th>
<th>Emp Sal</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
```

```
        <td>aa</td>
        <td>25000</td>
    </tr>
    <tr>
        <td>102</td>
        <td>bb</td>
        <td>40000</td>
    </tr>
</tbody>
</table>
```

```
<table class="table table-hover">
    <thead>
        <tr>
            <th>Emp Id</th>
            <th>Emp Name</th>
            <th>Emp Sal</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>101</td>
            <td>aa</td>
            <td>25000</td>
        </tr>
        <tr>
            <td>102</td>
            <td>bb</td>
            <td>40000</td>
```



```
    </tr>
</tbody>
</table>
```

```
<table class="table table-dark">
  <thead>
    <tr>
      <th>Emp Id</th>
      <th>Emp Name</th>
      <th>Emp Sal</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>101</td>
      <td>aa</td>
      <td>25000</td>
    </tr>
    <tr>
      <td>102</td>
      <td>bb</td>
      <td>40000</td>
    </tr>
  </tbody>
</table>
```

Bootstrap Basic Table :-

```
<table class="table table-dark table-striped">
  <thead>
```

```
<tr>
  <th>Emp Id</th>
  <th>Emp Name</th>
  <th>Emp Sal</th>
</tr>
</thead>
<tbody>
  <tr>
    <td>101</td>
    <td>aa</td>
    <td>25000</td>
  </tr>
  <tr>
    <td>102</td>
    <td>bb</td>
    <td>40000</td>
  </tr>
</tbody>
</table>
```

Bootstrap Basic Table :-

```
<table class="table table-borderless">
  <thead>
    <tr>
      <th>Emp Id</th>
      <th>Emp Name</th>
      <th>Emp Sal</th>
    </tr>
  </thead>
```

```
<tbody>
  <tr>
    <td>101</td>
    <td>aa</td>
    <td>25000</td>
  </tr>
  <tr>
    <td>102</td>
    <td>bb</td>
    <td>40000</td>
  </tr>
</tbody>
</table>
```

Bootstrap Basic Table :-

```
<table class="table">
  <thead>
    <tr>
      <th>Emp Id</th>
      <th>Emp Name</th>
      <th>Emp Sal</th>
    </tr>
  </thead>
  <tbody>
    <tr class="table-primary">
      <td>101</td>
      <td>aa</td>
      <td>25000</td>
    </tr>
```

```
<tr class="table-success">
  <td>102</td>
  <td>bb</td>
  <td>40000</td>
</tr>
</tbody>
</table>
```

Bootstrap Basic Table :-

```
<table class="table">
  <thead class="thead-dark">
    <tr>
      <th>Emp Id</th>
      <th>Emp Name</th>
      <th>Emp Sal</th>
    </tr>
  </thead>
  <tbody>
    <tr class="table-primary">
      <td>101</td>
      <td>aa</td>
      <td>25000</td>
    </tr>
    <tr class="table-success">
      <td>102</td>
      <td>bb</td>
      <td>40000</td>
    </tr>
  </tbody>
```

```
</table>
```

Responsive Tables :-

The .table-responsive class adds a scrollbar to the table when needed (when it is too big horizontally):

```
<div class="table-responsive">  
<table class="table table-bordered">  
  <thead>  
    <tr>  
      <th>Emp Id</th>  
      <th>Emp Name</th>  
      <th>Emp Sal</th>  
    </tr>  
  </thead>  
  <tbody>  
    <tr class="table-primary">  
      <td>101</td>  
      <td>aa</td>  
      <td>25000</td>  
    </tr>  
    <tr class="table-success">  
      <td>102</td>  
      <td>bb</td>  
      <td>40000</td>  
    </tr>  
  </tbody>  
</table>  
</div>
```

Bootstrap Images :-

Rounded Corners :-

The .rounded class adds rounded corners to an image:

Exa:-

```

```

Circle :-

The .rounded-circle class shapes the image to a circle :-

```

```

Thumbnail :-

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

```

```

Aligning Images :-

Float an image to the right with the .float-right class or to the left with .float-left:

```

```

```

```

Centered Image:-

Center an image by adding the utility classes .mx-auto (margin:auto) and .d-block (display:block) to the image:

```

```

Bootstrap Jumbotron :-

A jumbotron indicates a big grey box for calling extra attention to some special content or information.

Exa:-

```
<div class="jumbotron">
  <h1>My Training Insistute</h1>
  <p>It Provide Training And Placements</p>
</div>
```

Bootstrap Alerts :-

Bootstrap provides an easy way to create predefined alert messages:

```
<div class="alert alert-success">
  <strong>Success!</strong> Indicates a successful or positive action.
</div>
```

Exa:-

```
<div class="alert alert-success">
  <strong>Success!</strong> You should <a href="#" class="alert-
link">click here</a>.
</div>
```

Closing Alerts :-

To close the alert message, add a .alert-dismissible class to the alert container. Then add class="close" and data-dismiss="alert" to a link or a button element

```
<div class="alert alert-success alert-dismissible">
  <button type="button" class="close" data-
dismiss="alert">&times;</button>
  <strong>Success!</strong> Indicates a successful or positive action.
</div>
```

Bootstrap Buttons :-

```
<button type="button" class="btn">Basic</button>
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</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-dark">Dark</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-link">Link</button>
```

Exa:-

```
<button type="button" class="btn btn-outline-primary">Primary</button>
<button type="button" class="btn btn-outline-secondary">Secondary</button>
<button type="button" class="btn btn-outline-success">Success</button>
<button type="button" class="btn btn-outline-info">Info</button>
<button type="button" class="btn btn-outline-warning">Warning</button>
<button type="button" class="btn btn-outline-danger">Danger</button>
<button type="button" class="btn btn-outline-dark">Dark</button>
<button type="button" class="btn btn-outline-light text-dark">Light</button>
```

Button Sizes :-

```
<button type="button" class="btn btn-primary btn-lg">Large</button>
<button type="button" class="btn btn-primary">Default</button>
<button type="button" class="btn btn-primary btn-sm">Small</button>
```

Block Level Buttons :-

Add class .btn-block to create a block level button that spans the entire width of the parent element.

Exa:-

```
<button type="button" class="btn btn-primary btn-block">Full-Width Button</button>
```

Active/Disabled Buttons :-

```
<button type="button" class="btn btn-primary active">Active Primary</button>
<button type="button" class="btn btn-primary" disabled>Disabled Primary</button>
<a href="#" class="btn btn-primary disabled">Disabled Link</a>
```

Spinner Buttons :-

```
<button class="btn btn-primary">
  <span class="spinner-border spinner-border-sm"></span>
  Loading..
</button>
```



```
<button class="btn btn-primary" >
  <span class="spinner-grow spinner-grow-sm"></span>
  Loading..
</button>
```

Button Groups :-

```
<div class="btn-group">
  <button type="button" class="btn btn-primary">Home</button>
  <button type="button" class="btn btn-primary">About us</button>
  <button type="button" class="btn btn-primary">Contact us</button>
</div>
```

Exa:-

```
<div class="btn-group btn-group-lg">
  <button type="button" class="btn btn-primary">Home</button>
  <button type="button" class="btn btn-primary">About us</button>
  <button type="button" class="btn btn-primary">Contact us</button>
</div>
```

Vertical Button Groups :-

```
<div class="btn-group-vertical">
  <button type="button" class="btn btn-primary">Home</button>
  <button type="button" class="btn btn-primary">About us</button>
  <button type="button" class="btn btn-primary">Contact us</button>
</div>
```

```
<link rel="stylesheet" href="D:\abc\Scripts\bootstrap.css"/>
```

```
<link rel="stylesheet" href="D:\abc\Scripts\bootstrap.min.css"/>
```

```
<script src="D:\abc\Scripts\jquery-1.7.1.js"></script>
```

```
<script src="D:\abc\Scripts\jquery-1.7.1.min.js"></script>
```

```
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper
.min.js"></script>
```

```
<script src="D:\abc\Scripts\bootstrap.js"></script>
```

```

<script src="D:\abc\Scripts\bootstrap.min.js"></script>
</head>
<body>

<div class="btn-group">
  <button type="button" class="btn btn-primary">Home</button>
  <button type="button" class="btn btn-primary">About us</button>
  <div class="btn-group">
    <button type="button" class="btn btn-primary dropdown-toggle"
data-toggle="dropdown">
      Career
    </button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">.Net Position</a>
      <a class="dropdown-item" href="#"> Java Position </a>
    </div>
  </div>
</div>
</div>
</body>

```

Bootstrap Badges :-

```

<h1>Unique System Skills<span class="badge badge-
secondary">New</span></h1>
<h2>Unique System Skills <span class="badge badge-
secondary">New</span></h2>
<h3>Unique System Skills<span class="badge badge-
secondary">New</span></h3>
<h4>Unique System Skills<span class="badge badge-
secondary">New</span></h4>
<h5>Unique System Skills<span class="badge badge-
secondary">New</span></h5>
<h6>Unique System Skills<span class="badge badge-
secondary">New</span></h6>

```

Contextual Badges :-

```
<span class="badge badge-primary">Primary</span>
<span class="badge badge-secondary">Secondary</span>
<span class="badge badge-success">Success</span>
<span class="badge badge-danger">Danger</span>
<span class="badge badge-warning">Warning</span>
<span class="badge badge-info">Info</span>
<span class="badge badge-light">Light</span>
<span class="badge badge-dark">Dark</span>
```

Pill Badges :-

Use the .badge-pill class to make the badges more round:

```
<span class="badge badge-pill badge-primary">Primary</span>
<span class="badge badge-pill badge-secondary">Secondary</span>
<span class="badge badge-pill badge-success">Success</span>
<span class="badge badge-pill badge-danger">Danger</span>
<span class="badge badge-pill badge-warning">Warning</span>
<span class="badge badge-pill badge-info">Info</span>
<span class="badge badge-pill badge-light">Light</span>
<span class="badge badge-pill badge-dark">Dark</span>
```

Badge inside an Element :-

```
<button type="button" class="btn btn-primary">
  Messages <span class="badge badge-light">4</span>
</button>
```

Progress Bar :-

```
<div class="progress">
  <div class="progress-bar" style="width:70%"></div>
</div>
```

Progress Bar Labels :-

```
<div class="progress">
  <div class="progress-bar" style="width:70%">70%</div>
</div>
```

Colored Progress Bars :-

```
<div class="progress">  
  <div class="progress-bar bg-success" style="width:20%"></div>  
</div>
```

Striped Progress Bars :-

```
<div class="progress">  
  <div class="progress-bar progress-bar-  
striped" style="width:40%"></div>  
</div>
```

Animated Progress Bar :-

```
<div class="progress-bar progress-bar-striped progress-bar-  
animated" style="width:40%"></div>
```

Multiple Progress Bars :-

```
<div class="progress">  
  <div class="progress-bar bg-success" style="width:40%">  
    Free Space  
  </div>  
  <div class="progress-bar bg-warning" style="width:10%">  
    Warning  
  </div>  
  <div class="progress-bar bg-danger" style="width:20%">  
    Danger  
  </div>  
</div>
```

Pagination :-

```
<ul class="pagination">  
  <li class="page-item"><a class="page-  
link" href="#">Previous</a></li>  
  <li class="page-item"><a class="page-link" href="#">1</a></li>  
  <li class="page-item"><a class="page-link" href="#">2</a></li>  
  <li class="page-item"><a class="page-link" href="#">3</a></li>  
  <li class="page-item"><a class="page-link" href="#">Next</a></li>  
</ul>
```

Pagination Sizing :-

```

<ul class="pagination pagination-lg">
  <li class="page-item"><a class="page-link" href="#">Previous</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>

```

Pagination Alignment :-

```

<ul class="pagination">
  <li class="page-item"><a class="page-link" href="#">Previous</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>

<ul class="pagination justify-content-center">
  <li class="page-item"><a class="page-link" href="#">Previous</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>

<ul class="pagination justify-content-end">
  <li class="page-item"><a class="page-link" href="#">Previous</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>

```

Breadcrumbs :-

Another form for pagination, is breadcrumbs:

```
<ul class="breadcrumb">
  <li class="breadcrumb-item"><a href="#">abc</a></li>
  <li class="breadcrumb-item"><a href="#">aa</a></li>
  <li class="breadcrumb-item"><a href="#">bb</a></li>
  <li class="breadcrumb-item active">cc</li>
</ul>
```

List Groups :-

```
<ul class="list-group">
  <li class="list-group-item">First item</li>
  <li class="list-group-item">Second item</li>
  <li class="list-group-item">Third item</li>
</ul>
```

Active State :-

```
<ul class="list-group">
  <li class="list-group-item active">Active item</li>
  <li class="list-group-item">Second item</li>
  <li class="list-group-item">Third item</li>
</ul>
```

List Group With Linked Items :-

```
<div class="list-group">
  <a href="#" class="list-group-item list-group-item-action">First
item</a>
  <a href="#" class="list-group-item list-group-item-action">Second
item</a>
  <a href="#" class="list-group-item list-group-item-action">Third
item</a>
</div>
```

Flush / Remove Borders :-

Use the .list-group-flush class to remove some borders and rounded corners:

```
<ul class="list-group list-group-flush">
<li class="list-group-item">First item</li>
```

```
<li class="list-group-item">Second item</li>
</ul>
```

Horizontal List Groups :-

```
<ul class="list-group list-group-horizontal">
  <li class="list-group-item">First item</li>
  <li class="list-group-item">Second item</li>
  <li class="list-group-item">Third item</li>
  <li class="list-group-item">Fourth item</li>
</ul>
```

Contextual Classes :-

```
<ul class="list-group">
  <li class="list-group-item list-group-item-success">Success item</li>
  <li class="list-group-item list-group-item-secondary">Secondary
item</li>
  <li class="list-group-item list-group-item-info">Info item</li>
  <li class="list-group-item list-group-item-warning">Warning item</li>
  <li class="list-group-item list-group-item-danger">Danger item</li>
  <li class="list-group-item list-group-item-primary">Primary item</li>
  <li class="list-group-item list-group-item-dark">Dark item</li>
  <li class="list-group-item list-group-item-light">Light item</li>
</ul>
```

Link items with Contextual Classes :-

```
<div class="list-group">
  <a href="#" class="list-group-item list-group-item-action">Action
item</a>
  <a href="#" class="list-group-item list-group-item-action list-group-
item-success">Success item</a>
  <a href="#" class="list-group-item list-group-item-action list-group-
item-secondary">Secondary item</a>
  <a href="#" class="list-group-item list-group-item-action list-group-
item-info">Info item</a>
  <a href="#" class="list-group-item list-group-item-action list-group-
item-warning">Warning item</a>
  <a href="#" class="list-group-item list-group-item-action list-group-
item-danger">Danger item</a>
  <a href="#" class="list-group-item list-group-item-action list-group-
item-primary">Primary item</a>
```

```
<a href="#" class="list-group-item list-group-item-action list-group-item-dark">Dark item</a>
<a href="#" class="list-group-item list-group-item-action list-group-item-light">Light item</a>
</div>
```

List Group with Badges :-

```
<ul class="list-group">
  <li class="list-group-item d-flex justify-content-between align-items-center">
    Inbox
    <span class="badge badge-primary badge-pill">12</span>
  </li>
  <li class="list-group-item d-flex justify-content-between align-items-center">
    Ads
    <span class="badge badge-primary badge-pill">50</span>
  </li>
  <li class="list-group-item d-flex justify-content-between align-items-center">
    Junk
    <span class="badge badge-primary badge-pill">99</span>
  </li>
</ul>
```

Cards :-

```
<div class="card">
  <div class="card-header">Header</div>
  <div class="card-body">Content</div>
  <div class="card-footer">Footer</div>
</div>
```

Exa:-

```
<div class="card">
  <div class="card-body">
    <h4 class="card-title">Card title</h4>
    <p class="card-text">Some example text. Some example text.</p>
```



```
<a href="#" class="card-link">Card link</a>
<a href="#" class="card-link">Another link</a>
</div>
</div>
```

Cards Images:-

```
<div class="card" style="width:400px">
  
  <div class="card-body">
    <h4 class="card-title">Amit</h4>
    <p class="card-text"> Amit is an architect and engineer </p>
    <a href="#" class="btn btn-primary">See Profile</a>
  </div>
</div>
<br>
```

```
<p>Image at the bottom (card-img-bottom):</p>
<div class="card" style="width:400px">
  <div class="card-body">
    <h4 class="card-title">Amit</h4>
    <p class="card-text">Amit is an architect and engineer</p>
    <a href="#" class="btn btn-primary">See Profile</a>
  </div>
  
</div>
```

Cards Images :-

Stretched Link :-

```
<div class="card" style="width:400px">
  
  <div class="card-body">
    <h4 class="card-title">Amit</h4>
    <p class="card-text"> Amit is an architect and engineer </p>
    <a href="#" class="btn btn-primary stretched-link">See
Profile</a>
  </div>
</div>
<br>
```

Card Image Overlays :-

```
<div class="card" style="width:400px">
  
  <div class="card-img-overlay">
    <h4 class="card-title">Amit</h4>
    <p class="card-text"> Amit is an architect and engineer </p>
    <a href="#" class="btn btn-primary stretched-link">See
Profile</a>
  </div>
</div>
<br>
```

Dropdown :-

```
<div class="dropdown">
  <button type="button" class="btn btn-primary dropdown-toggle" data-
```

```
toggle="dropdown">
  Menu
</button>
<div class="dropdown-menu">
  <a class="dropdown-item" href="#">Home</a>
  <a class="dropdown-item" href="#">About us</a>
  <a class="dropdown-item" href="#">Career</a>
</div>
</div>
```

Dropdown Divider :-

```
<div class="dropdown">
  <button type="button" class="btn btn-primary dropdown-toggle" data-
toggle="dropdown">
    Menu
  </button>
  <div class="dropdown-menu">
    <a class="dropdown-item" href="#">Home</a>
    <a class="dropdown-item" href="#">About us</a>
    <a class="dropdown-item" href="#">Career</a>

  <div class="dropdown-divider"></div>

    <a class="dropdown-item" href="#">Another link</a>
  </div>
</div>
```

Dropdown Header :-

```
<div class="dropdown">
  <button type="button" class="btn btn-primary dropdown-toggle" data-
toggle="dropdown">
    Menu
  </button>
  <div class="dropdown-menu">

    <h5 class="dropdown-header">Dropdown header</h5>
    <a class="dropdown-item" href="#">Home</a>
    <a class="dropdown-item" href="#">About us</a>
    <a class="dropdown-item" href="#">Career</a>

  <div class="dropdown-divider"></div>
```

```
    <a class="dropdown-item" href="#">Another link</a>
  </div>
</div>
```

Dropdown Position :-

You can also create a "dropright" or "dropleft" menu, by adding the .dropright or .dropleft class to the dropdown element. Note that the caret/arrow is added automatically:

```
<div class="dropdown dropright">
  <button type="button" class="btn btn-primary dropdown-toggle" data-
toggle="dropdown">
    Menu
  </button>
  <div class="dropdown-menu">

    <h5 class="dropdown-header">Dropdown header</h5>
    <a class="dropdown-item" href="#">Home</a>
    <a class="dropdown-item" href="#">About us</a>
    <a class="dropdown-item" href="#">Career</a>

  </div>

  <a class="dropdown-item" href="#">Another link</a>
</div>
```

Or

```
<div class="dropdown dropleft float-right">
```

Or

```
<div class="dropup">
```

Dropdown Text :-

```
<div class="dropdown">
  <button type="button" class="btn btn-primary dropdown-toggle" data-
toggle="dropdown">
    Menu
  </button>
```

```
<div class="dropdown-menu">
  <a class="dropdown-item" href="#">Link 1</a>
  <a class="dropdown-item" href="#">Link 2</a>
  <a class="dropdown-item-text" href="#">Text Link</a>
  <span class="dropdown-item-text">Just Text</span>
</div>
```

Collapsible :-

```
<button type="button" class="btn btn-primary" data-toggle="collapse"
data-target="#demo">Unique System Skills</button>

<div id="demo" class="collapse">
It is Training and Placement Insistute
</div>
```

By default, the collapsible content is hidden. However, you can add the .show class to show the content by default:

```
<button type="button" class="btn btn-primary" data-toggle="collapse"
data-target="#demo">Unique System Skills</button>

<div id="demo" class="collapse show">
It is Training and Placement Insistute
</div>
```

Nav Menus :-

```
<ul class="nav">
  <li class="nav-item">
    <a class="nav-link" href="#">Home</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">About us</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Contact Us</a>
  </li>
  <li class="nav-item">
    <a class="nav-link disabled" href="#">Disabled</a>
  </li>
</ul>
```

Aligned Nav :-

```
<!-- Centered nav -->  
<ul class="nav justify-content-center">
```

```
<!-- Right-aligned nav -->  
<ul class="nav justify-content-end">
```

Vertical Nav :-

```
<ul class="nav flex-column">  
  <li class="nav-item">  
    <a class="nav-link" href="#">Home</a>  
  </li>  
  <li class="nav-item">  
    <a class="nav-link" href="#">About us</a>  
  </li>  
  <li class="nav-item">  
    <a class="nav-link" href="#">Contact Us</a>  
  </li>  
  <li class="nav-item">  
    <a class="nav-link disabled" href="#">Disabled</a>  
  </li>  
</ul>
```

Tabs :-

```
<ul class="nav nav-tabs">
```

Pills :-

```
<ul class="nav nav-pills">
```

Pills with Dropdown :-

```
<ul class="nav nav-pills">  
  <li class="nav-item">  
    <a class="nav-link active" href="#">Active</a>  
  </li>  
  <li class="nav-item dropdown">  
    <a class="nav-link dropdown-toggle" data-  
toggle="dropdown" href="#">Dropdown</a>  
    <div class="dropdown-menu">
```

```

    <a class="dropdown-item" href="#">Home</a>
    <a class="dropdown-item" href="#">About us</a>
    <a class="dropdown-item" href="#">Career</a>
  </div>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Link</a>
</li>
<li class="nav-item">
  <a class="nav-link disabled" href="#">Disabled</a>
</li>
</ul>

```

Tabs with Dropdown :-

```

<ul class="nav nav-tabs">
  <li class="nav-item">
    <a class="nav-link active" href="#">Active</a>
  </li>
  <li class="nav-item dropdown">
    <a class="nav-link dropdown-toggle" data-
toggle="dropdown" href="#">Dropdown</a>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">Home</a>
      <a class="dropdown-item" href="#">About us</a>
      <a class="dropdown-item" href="#">Career</a>
    </div>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="#">Link</a>
  </li>
  <li class="nav-item">
    <a class="nav-link disabled" href="#">Disabled</a>
  </li>
</ul>

```

Toggleable / Dynamic Tabs :-

```
<ul class="nav nav-tabs" role="tablist">
  <li class="nav-item">
    <a class="nav-link active" data-toggle="tab"
href="#home">Home</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" data-toggle="tab" href="#menu1">About
Us</a>
  </li>
  <li class="nav-item">
    <a class="nav-link" data-toggle="tab" href="#menu2">Career</a>
  </li>
</ul>
<!-- Tab panes -->
<div class="tab-content">
  <div id="home" class="container tab-pane active"><br>
    <h3>HOME</h3>
    <p>Home Page</p>
  </div>
  <div id="menu1" class="container tab-pane fade"><br>
    <h3>About Us</h3>
    <p>About Us Page</p>
  </div>
  <div id="menu2" class="container tab-pane fade"><br>
    <h3>Contact Us</h3>
    <p>Contact Us Page</p>
  </div>
</div>
```

Navbar :-


```
<nav class="navbar navbar-expand-sm bg-dark">

  <!-- Links -->
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">About us</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Contact us</a>
    </li>
  </ul>

</nav>
```

Vertical Navbar :-

```
<nav class="navbar bg-light">

  <!-- Links -->
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="#">Link 1</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link 2</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link 3</a>
    </li>
  </ul>

</nav>
```

Centered Navbar :-

```
<nav class="navbar navbar-expand-sm bg-light justify-content-center">

  <ul class="navbar-nav">
```

```
<li class="nav-item">
  <a class="nav-link" href="#">Link 1</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Link 2</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Link 3</a>
</li>
</ul>
</nav>
```

Colored Navbar :-

```
<nav class="navbar navbar-expand-sm bg-primary navbar-light">
  <ul class="navbar-nav">
    <li class="nav-item active">
      <a class="nav-link" href="#">Active</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>
</nav>
```

Brand / Logo :-

The .navbar-brand class is used to highlight the brand/logo/project name of your page:

```
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
```

```
  <!-- Brand/logo -->
```

```
  <a class="navbar-brand" href="#">Logo</a>
```

```
  <!-- Links -->
```

```
  <ul class="navbar-nav">
```

```
    <li class="nav-item">
```

```
      <a class="nav-link" href="#">Home</a>
```

```
    </li>
```

```
    <li class="nav-item">
```

```
      <a class="nav-link" href="#">About us</a>
```

```
    </li>
```

```
    <li class="nav-item">
```

```
      <a class="nav-link" href="#">Contact us</a>
```

```
    </li>
```

```
  </ul>
```

```
</nav>
```

```
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
```

```
  <!-- Brand/logo -->
```

```
  <a class="navbar-brand" href="#">
```

```
    
```

```
  </a>
```

```
  <!-- Links -->
```

```
  <ul class="navbar-nav">
```

```
<li class="nav-item">
  <a class="nav-link" href="#">Home</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">About us</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="#">Contact us</a>
</li>
</ul>
</nav>
```

Navbar With Dropdown :-

```
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
  <!-- Brand -->
  <a class="navbar-brand" href="#">Logo</a>

  <!-- Links -->
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">About us</a>
    </li>

    <!-- Dropdown -->
    <li class="nav-item dropdown">
```

```

    <a class="nav-link dropdown-toggle" href="#" id="navbardrop"
data-toggle="dropdown">
      Contact Us
    </a>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">Home</a>
      <a class="dropdown-item" href="#">About us</a>
      <a class="dropdown-item" href="#">Contact us</a>
    </div>
  </li>
</ul>
</nav>

```

Sticky Navbar :-

A sticky navigation bar stays fixed at the top of the page when you scroll past it.

```

<nav class="navbar navbar-expand-sm bg-dark navbar-dark sticky-
top">
  <!-- Brand -->
  <a class="navbar-brand" href="#">Logo</a>

  <!-- Links -->
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">About us</a>
    </li>

```

```

<!-- Dropdown -->
<li class="nav-item dropdown">
  <a class="nav-link dropdown-toggle" href="#" id="navbardrop"
data-toggle="dropdown">
    Contact Us
  </a>
  <div class="dropdown-menu">
    <a class="dropdown-item" href="#">Home</a>
    <a class="dropdown-item" href="#">About us</a>
    <a class="dropdown-item" href="#">Contact us</a>
  </div>
</li>
</ul>
</nav>
<div class="container-fluid"><br>
  <p>Some example text. Some example text. Some example text. Some
example text. Some example text.</p>
  <p>Some example text. Some example text. Some example text. Some
example text. Some example text.</p>
</div>

```

Form Layouts :-

two types of form layouts:-

1.Stacked (full-width) form :-

2. Inline form

1.Stacked (full-width) form :-

```

<div class="container">
  <form >
    <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="form-group form-check">
        <label class="form-check-label">
            <input class="form-check-input" type="checkbox"
name="remember"> Remember me
        </label>
    </div>
    <button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>

```

2. Inline form :-

```

<div class="container">
    <h2>Inline form</h2>
    <form class="form-inline">
        <label for="email">Email: </label>
        <input type="email" class="form-control" id="email"
placeholder="Enter email" name="email">
        <label for="pwd">Password: </label>
        <input type="password" class="form-control" id="pwd"
placeholder="Enter password" name="pwd">
        <div class="form-check">
            <label class="form-check-label">

```

```

        <input class="form-check-input" type="checkbox"
name="remember"> Remember me
    </label>
</div>

<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>

```

Form Validation :-

```

<div class="container">

    <form class="was-validated">
        <div class="form-group">
            <label for="uname">Username:</label>

            <input type="text" class="form-control" id="uname"
placeholder="Enter username" name="uname" required>

            <div class="valid-feedback">Valid.</div>
            <div class="invalid-feedback">Please fill out this field.</div>
        </div>

        <div class="form-group">
            <label for="pwd">Password:</label>

            <input type="password" class="form-control" id="pwd"
placeholder="Enter password" name="pswd" required>

            <div class="valid-feedback">Valid.</div>
            <div class="invalid-feedback">Please fill out this field.</div>
        </div>

        <div class="form-group form-check">
            <label class="form-check-label">

                <input class="form-check-input" type="checkbox"
name="remember" required> I agree on blabla.

                <div class="valid-feedback">Valid.</div>

```



```
<div class="invalid-feedback">Check this checkbox to
continue.</div>
</label>
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
```

Tooltip :-

```
<div class="container">
  <h3>Tooltip Example</h3>
  <a href="#" data-toggle="tooltip" title="Hello!">Hover over me</a>
</div>

<script>
$(document).ready(function(){
  $('[data-toggle="tooltip"]').tooltip();
});
</script>
```

Positioning Tooltips :-

By default, the tooltip will appear on top of the element.

Use the data-placement attribute to set the position of the tooltip on top, bottom, left or the right side of the element:

```
<div class="container">

  <a href="#" data-toggle="tooltip" data-placement="top"
title="Hello!">Top</a>
```

```
<a href="#" data-toggle="tooltip" data-placement="bottom"
title="Hello!">Bottom</a>
```

```
<a href="#" data-toggle="tooltip" data-placement="left"
title="Hello!">Left</a>
```

```
<a href="#" data-toggle="tooltip" data-placement="right"
title="Hello!">Right</a>
```

```
</div>
```

```
<script>
```

```
$(document).ready(function(){
```

```
  $('[data-toggle="tooltip"]').tooltip();
```

```
});
```

```
</script>
```

Toast :-

The toast component is like an alert box that is only shown for a couple of seconds when something happens (i.e. when the user clicks on a button, submits a form, etc.).

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

```
<button type="button" class="btn btn-primary" id="myBtn">Show
Toast</button>
```

```
<div class="toast">
```

```
<div class="toast-header">
```

```
  Toast Header
```

```
</div>
```

```
<div class="toast-body">
```

```
  Some text inside the toast body
```

```
        </div>
    </div>
</div>

<script>
$(document).ready(function(){
    $("#myBtn").click(function(){
        $('.toast').toast('show');
    });
});
</script>
```

Borders :-

Use the border classes to add or remove borders from an element:

```
<style>
.border {
    display: inline-block;
    width: 70px;
    height: 70px;
    margin: 6px;
}
</style>
</head>
<body>

<div class="container">
```

```
<h2>Borders</h2>
```

```
<span class="border"></span>
```

```
<span class="border border-0"></span>
```

```
<span class="border border-top-0"></span>
```

```
<span class="border border-right-0"></span>
```

```
<span class="border border-bottom-0"></span>
```

```
<span class="border border-left-0"></span>
```

```
</div>
```

```
</body>
```

Border Color :-

```
<style>
```

```
.border {
```

```
display: inline-block;
```

```
width: 70px;
```

```
height: 70px;
```

```
margin: 6px;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

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

```
<span class="border border-primary"></span>
```

```
<span class="border border-secondary"></span>
```

```
<span class="border border-success"></span>
```

```
<span class="border border-danger"></span>
```

```
<span class="border border-warning"></span>
```

```
<span class="border border-info"></span>
<span class="border border-light"></span>
<span class="border border-dark"></span>
<span class="border border-white"></span>
</div>
</body>
```

Flex :-

```
<div class="container mt-3">
  <h2>Flex</h2>

  <div class="d-flex p-3 bg-secondary text-white">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
    <div class="p-2 bg-primary">Flex item 3</div>
  </div>
</div>
```

inline flexbox container, use the d-inline-flex class:-

```
<div class="container mt-3">
  <h2>Inline Flex</h2>

  <div class="d-inline-flex p-3 bg-secondary text-white">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
    <div class="p-2 bg-primary">Flex item 3</div>
  </div>
</div>
```

Horizontal Direction :-

Use .flex-row to display the flex items horizontally (side by side). This is default.

.flex-row-reverse to right-align the horizontal direction:

```
<div class="container mt-3">
  <div class="d-flex flex-row bg-secondary mb-3">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
    <div class="p-2 bg-primary">Flex item 3</div>
  </div>
  <p>Use .flex-row-reverse to right-align the direction:</p>
  <div class="d-flex flex-row-reverse bg-secondary">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
    <div class="p-2 bg-primary">Flex item 3</div>
  </div>
</div>
```

Vertical Direction :-

Use .flex-column to display the flex items vertically (on top of each other), or .flex-column-reverse to reverse the vertical direction:

```
<div class="container mt-3">
  <div class="d-flex flex-column">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
    <div class="p-2 bg-primary">Flex item 3</div>
  </div>

  <div class="d-flex flex-column-reverse">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
```

```
<div class="p-2 bg-primary">Flex item 3</div>
</div>
</div>
```

Justify Content :-

Use the .justify-content-* classes to change the alignment of flex items. Valid classes are start (default), end, center, between or around:

```
<div class="container mt-3">
```

```
<div class="d-flex justify-content-start bg-secondary mb-3">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

```
<div class="d-flex justify-content-end bg-secondary mb-3">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

```
<div class="d-flex justify-content-center bg-secondary mb-3">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

```
<div class="d-flex justify-content-between bg-secondary mb-3">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

```

<div class="d-flex justify-content-around bg-secondary mb-3">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
</div>

```

Fill / Equal Widths :-

Use .flex-fill on flex items to force them into equal widths:

```

<div class="container mt-3">

  <div class="d-flex mb-3">
    <div class="p-2 flex-fill bg-info">Flex item 1</div>
    <div class="p-2 flex-fill bg-warning">Flex item 2</div>
    <div class="p-2 flex-fill bg-primary">Flex item 3</div>
  </div>

  <p>Example without .flex-fill:</p>
  <div class="d-flex mb-3 bg-secondary">
    <div class="p-2 bg-info">Flex item 1</div>
    <div class="p-2 bg-warning">Flex item 2</div>
    <div class="p-2 bg-primary">Flex item 3</div>
  </div>
</div>

```

Order :-

Change the visual order of a specific flex item(s) with the .order classes. Valid classes are from 0 to 12, where the lowest number has highest priority

```

<div class="container mt-3">

```



```

<div class="d-flex mb-3">
  <div class="p-2 order-3 bg-info">Flex item 1</div>
  <div class="p-2 order-2 bg-warning">Flex item 2</div>
  <div class="p-2 order-1 bg-primary">Flex item 3</div>
</div>
</div>

```

Icons:-

```

<link rel="stylesheet"
href="https://use.fontawesome.com/releases/v5.6.3/css/all.css">
<div class="container">
  <h1>My Icons <i class="fas fa-heart"></i></h1>
  <p>An icon along with some text: <i class="fas fa-thumbs-
up"></i></p>
</div>

```

```

<div class="container">
  <p>Others:</p>
  <i class="fas fa-cloud"></i>
  <i class="fas fa-coffee"></i>
  <i class="fas fa-car"></i>
  <i class="fas fa-file"></i>
  <i class="fas fa-bars"></i>
</div>

```

Image Slider :-

Exa :- 1 :-

```

<div class="container">

```

```

<div id="carouselExampleSlidesOnly" class="carousel slide" data-
ride="carousel">
  <div class="carousel-inner">
    <div class="carousel-item active">
      
    </div>
    <div class="carousel-item">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>
</div>

```

With controls :-

```

<div class="container">
  <div id="carouselExampleControls" class="carousel slide" data-
ride="carousel">
    <div class="carousel-inner">
      <div class="carousel-item active">
        
      </div>
      <div class="carousel-item">
        
      </div>
    </div>
  </div>

```

```

    <div class="carousel-item">
      
    </div>
  </div>

  <a class="carousel-control-prev" href="#carouselExampleControls"
role="button" data-slide="prev">
    <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
    <span class="sr-only">Previous</span>
  </a>

  <a class="carousel-control-next" href="#carouselExampleControls"
role="button" data-slide="next">
    <span class="carousel-control-next-icon" aria-
hidden="true"></span>
    <span class="sr-only">Next</span>
  </a>
</div>
</div>

```

With indicators :-

```

<div class="container">

  <div id="carouselExampleIndicators" class="carousel slide" data-
ride="carousel">
    <ol class="carousel-indicators">
      <li data-target="#carouselExampleIndicators" data-slide-to="0"
class="active"></li>
      <li data-target="#carouselExampleIndicators" data-slide-
to="1"></li>
      <li data-target="#carouselExampleIndicators" data-slide-
to="2"></li>
    </ol>
  </div>

```

```

</ol>
<div class="carousel-inner">
  <div class="carousel-item active">
    
  </div>
  <div class="carousel-item">
    
  </div>
  <div class="carousel-item">
    
  </div>
</div>
<a class="carousel-control-prev" href="#carouselExampleIndicators"
role="button" data-slide="prev">
  <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
  <span class="sr-only">Previous</span>
</a>
<a class="carousel-control-next" href="#carouselExampleIndicators"
role="button" data-slide="next">
  <span class="carousel-control-next-icon" aria-
hidden="true"></span>
  <span class="sr-only">Next</span>
</a>
</div>
</div>

```

With captions :-

```

<div class="carousel-item active">
  

```

```
<div class="carousel-caption d-none d-md-block">  
  <h5>My Nation</h5>  
  <p>New Nation</p>  
</div>  
</div>
```