

## Bootstrap Components

- Bootstrap provides a rich set of components for various interactions.
- Bootstrap components require HTML, CSS and jQuery attributes.
- Bootstrap components require “bootstrap.bundle.js” library.
- Script library is embedded into page by using <script> element.
- Any bootstrap jQuery requires the base “jquery.js” core file.

## Bootstrap Alerts

- Alert is used to display a message box dynamically embedded into page.
- You can open and close the alerts dynamically.
- The bootstrap classes to design alerts are

Bootstrap Class	Description
.alert	It is the base class for alert box.
.alert-contextual	It defines different colors .alert-primary

	.alert-secondary .alert-success .alert-danger etc.
.alert-link	It is used for links in alert box.
.alert-heading	It is used for heading text in alert box.
.alert-dismissible	It is used to define dismiss style for the alert [close]
.fade	It give a fading effects.
.show	It is used to display in page.
.close	It is used for buttons in alert to display as close button.

<b>jQuery Attribute</b>	<b>Description</b>
role	It defines the role of container, it can be <ul style="list-style-type: none"> <li>- Alert</li> <li>- Dialog</li> <li>- Modal etc.</li> </ul>
Data-dismiss	It is used to define a behaviour that can

	dynamically close the current element or any specific element.
--	--

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bo
otstrap.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js">
</script>
```

```
    <script
src="../node_modules/bootstrap/dist/js/boot
strap.bundle.js"></script>
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
    <h2>Alert</h2>
```

```
    <div class="alert alert-success alert-
dismissible show fade" role="alert">
```

```
      <button data-dismiss="alert"
class="close">x</button>
```

```

    <h2 class="alert-heading">Registered
    Successfully</h2>
    <p>Your registration completed.</p>
    <a class="alert-link"
    href="#">Login</a>
    <p>
        <button data-dismiss="alert"
        class="btn btn-success">OK</button>
    </p>
</div>
</body>
</html>

```

## Bootstrap Badge

- A badge is used for displaying notification style.
- It is used for displaying annotations and marked contents in a list or any element.

.badge	It is the base class for badge.
.badge-contextual	Colors for badge <ul style="list-style-type: none"> <li>- .badge-primary</li> <li>- .badge-secondary</li> <li>- .badge-success etc..</li> </ul>

.badge-pill	It is a badge with border radius.
-------------	-----------------------------------

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bo
otstrap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
    <div>
```

```
      Missed Calls
```

```
      <span class="fa fa-phone"></span>
```

```
      <sup>
```

```
        <span class="badge badge-pill badge-
dark">2</span>
```

```
      </sup>
```

```
    </div>
```

```
    <div>
```

```
      Messages
```

```
<span class="fa fa-mail-bulk"></span>
<sup>
  <span class="badge badge-pill badge-
dark">1</span>
</sup>
</div>
```

## <h2>Badge</h2>

```
<button class="btn btn-outline-success">
  <span class="badge badge-
success">4</span>
  <span class="fa fa-thumbs-
up"></span>
  Likes
</button>
```

## <h2>Badge for List</h2>

```
<ul class="list-unstyled">
  <li><span class="badge badge-
primary">4</span> Electronics</li>
  <li><span class="badge badge-
primary">3</span> Footwear</li>
  <li><span class="badge badge-
primary">8</span> Fashion</li>
</ul>
```

## <h2>Badge Pills</h2>

```

        <ul class="list-unstyled" style="display:
flex;">
            <li><span class="badge badge-primary
badge-pill">Home</span> </li>
            <li><span class="badge badge-danger
badge-pill">About</span> </li>
            <li><span class="badge badge-success
badge-pill">Contact</span> </li>
        </ul>
    </body>
</html>

```

## Bootstrap Breadcrumb

- It is mostly used for creating side navigation or site maps.

.breadcrumb	Its is collection of items to display in breadcrumb style
.breadcrumb-item	It is used for displaying every item in collection.
.breadcrumb-active	It uses active style and sets focus on one item.

Ex:

```
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bo
otstrap.css">
    <link rel="stylesheet"
href="../Fonts/css/all.css">
    <style>
      .breadcrumb-item + .breadcrumb-
item::before {
        content: "-->";
      }
    </style>
  </head>
  <body class="container-fluid">
    <h2>Site Map</h2>
    <ol class="breadcrumb">
      <li class="breadcrumb-item"><a
href="#">Home</a></li>
      <li class="breadcrumb-item"><a
href="#">About</a></li>
      <li class="breadcrumb-item"><a
href="#">Contact</a></li>
```



```
</ol>  
</body>  
</html>
```

## Bootstrap Buttons

- Bootstrap provides several classes for buttons.

.btn	It is the base class for button.
.btn-contextual	It sets different colors. .btn-primary .btn-secondary etc.
.btn-outline-contextual	It will set outline style colors. .btn-outline-primary .btn-outline-danger etc.
.btn-size	Size for button is defined with .btn-sm .btn-lg
.btn-block	It sets the button width to fit the parent.
.btn-link	It defined button with a

	link style.
.active	Predefined style for active.
.disabled	Predefined style for disable.
.close	Predefines style for close.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootstrap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
    <h2>Buttons Contextual</h2>
```

```
    <button class="btn btn-
primary">Home</button>
```

```
    <button class="btn btn-
danger">About</button>
```

```
<button class="btn btn-
success">Contact</button>
<h2>Buttons Outline Contextual</h2>
<button class="btn btn-outline-
primary">Home</button>
<button class="btn btn-outline-
danger">About</button>
<button class="btn btn-outline-
success">Contact</button>
<h2>Button Block</h2>
<button class="btn btn-dark btn-
block">Back to Top</button>
<h2>Button Size</h2>
<button class="btn btn-primary btn-
sm">Home</button>
<button class="btn btn-primary btn-
lg">Home</button>
<h2>Link Button</h2>
<button class="btn btn-
link">Login</button>
<h2>Close Button</h2>
<button class="close">x</button>
</body>
</html>
```

## Button Toolbar and Button Group

- Bootstrap can create a button tool bar with set of button groups.

.btn-toolbar	It creates a toolbar with set of button groups.
.btn-group	It creates a group of buttons.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootstrap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
<h2>Amazon Shopping</h2>
```

```
<div class="btn-toolbar bg-danger justify-content-between">
```

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

```
<button class="btn btn-danger"> <span class="fa fa-home"></span> Home</button>
```

```
<button class="btn btn-danger"> <span class="fa fa-tv"></span> Electronics</button>
```

```
<button class="btn btn-danger"> <span class="fa fa-tshirt"></span> Fashion</button>
```

```
</div>
```

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

```
<button class="btn btn-danger"><span class="fa fa-search"></span> Search</button>
```

```
<button class="btn btn-danger"><span class="fa fa-user"></span> Login</button>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

## Bootstrap Card

- Card is a container.
- It contains flexible content inside.
- It includes header, footer and body content.

Class	Description
.card	It is a container for defining card contents.
.card-img-top	It is used for image to display as card header.
.card-header	It is used for header content.
.card-footer	It is used for footer content.
.card-body	It is used for body content.
.card-title	It is used for titles.
.card-subtitle	It is used for sub titles.
.card-link	It is used for links in a card.
.card-text	It is used for normal text in card.
.card-deck	It is a collection of cards.

**Ex:**

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
<title>Cards</title>

<link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/boot
strap.css">

<link rel="stylesheet"
href="../Fonts/css/all.css">

<style>

    .card-img-top {
        width: 100%;
        height: 200px;
    }

</style>
</head>
<body class="container-fluid">
    <h2>Card Deck</h2>
    <!--All Cards-->
    <div class="card-deck">
        <!--Card-1-->
        <div class="card">
```

```
<div class="card-header">
    <h3 class="card-title">Nike
Casuals</h3>
    <h5 class="card-subtitle">&#8377;
6700.77</h5>
</div>
<div class="card-body">
    
    <div>
        <a href="#" class="card-
link">more details..</a>
    </div>
</div>
<div class="card-footer">
    <button class="btn btn-danger btn-
block"> <span class="fa fa-shopping-
cart"></span> Add to Cart</button>
</div>
</div>
```



```
<!--Card-2-->
<div class="card">
  <div class="card-header">
    <h3 class="card-title">Shirt</h3>
    <h5 class="card-subtitle">&#8377;
2300.77</h5>
  </div>
  <div class="card-body">
    
    <div>
      <a href="#" class="card-
link">more details..</a>
    </div>
  </div>
  <div class="card-footer">
    <button class="btn btn-danger btn-
block"> <span class="fa fa-shopping-
cart"></span> Add to Cart</button>
  </div>
```

</div>

<!--Card-3-->

<div class="card">

<div class="card-header">

<h3 class="card-title">JBL  
Speaker</h3>

<h5 class="card-subtitle">&#8377;  
4700.77</h5>

</div>

<div class="card-body">



<div>

<a href="#" class="card-  
link">more details..</a>

</div>

</div>

<div class="card-footer">

```
        <button class="btn btn-danger btn-  
block"> <span class="fa fa-shopping-  
cart"></span> Add to Cart</button>
```

```
    </div>
```

```
</div>
```

```
</div>
```

```
<!-- Another Card Deck-->
```

```
<h2>Image Top</h2>
```

```
<div class="card-deck">
```

```
    <div class="card">
```

```
        
```

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

```
        <h3>JBL Speaker</h3>
```

```
    </div>
```

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

```
    <h4>&#8377; 5700.66</h4>
```

```
</div>
```

</div>

<div class="card">



<div class="card-header">

<h3>Nike Casuals</h3>

</div>

<div class="card-body">

<h4>₹ 3700.66</h4>

</div>

</div>

<div class="card">



<div class="card-header">

<h3>Shirt</h3>

</div>

<div class="card-body">

<h4>#8377; 1700.66</h4>

</div>

</div>

</div>

</body>

</html>

#### Card Deck

Nike Casuals

₹ 6700.77



[more details..](#)

[Add to Cart](#)

Shirt

₹ 2300.77



[more details..](#)

[Add to Cart](#)

JBL Speaker

₹ 4700.77



[more details..](#)

[Add to Cart](#)

#### Image Top



JBL Speaker

₹ 5700.66



Nike Casuals

₹ 3700.66



Shirt

₹ 1700.66

Bootstrap Carousel

- Carousel is used for creating sliding and fading contents.
- It is used to create dynamic slide show with manual and auto navigation
- It uses CSS and jQuery attribute to handle interactions.

## Basic Carousel Classes

Class	Description
.carousel	It is a container for sliding and fading contents.
.carousel-inner	It defines a collection of items in carousel. All items in carouse must be defined in carousel inner.
.carousel-item	It defines an individual carousel item. The banner or text to slide or fade is defined here.
.active	It is used to start the carouse with specific item. Every carousel must have only one item active.
.slide	It gives sliding effect.
.fade	It give the fading effect.

## Basic jQuery attribute

data-ride	It Starts the carousel. You can define carousel a value for data-ride.
-----------	--

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Carousel</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootstrap.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></script>
```

```
    <script
src="../node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
```

```
  </head>
```

```
<body class="container-fluid">
  <div 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>
</body>
</html>
```



## Carousel with Control:

- Controls allow to navigate between slides.
- The controls are defined inside the carousel.
- Technically carouse controls are Hyperlinks with button behaviour.
- Click Next for next slide and previous for previous slide.
- Classes required to create carousel controls

Class	Description
.carousel-control-prev	It adds a previous button.
.carousel-control-prev-icon	It is icon used for previous button.
.carousel-control-next	It adds a next button.
.carousel-control-next-icon	It adds next icon for next button.

- The functionality for navigating previous and next is give by using jQuery Attributes

Attribute	Description
data-slide	It defines the slide to specific items.

	You can use: data-slide="prev" for previous data-slide="next" for next
role	It is an attribute use to specify the role of elements like dialog, alert, modal, button etc.

**Note:** Every page can have multiple carousel contents. You need a unique ID for reference. Control usually refer to the ID of carousel.

**Ex:**

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Carousel</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/boot
strap.css">
```

```
<script  
src="../../node_modules/jquery/dist/jquery.js"></  
script>
```

```
<script  
src="../../node_modules/bootstrap/dist/js/bootstr  
ap.bundle.js"></script>
```

```
</head>
```

```
<body class="container-fluid">
```

```
<div id="mainCarousel" 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>
<!--Carousel Inner Ends-->
<!--Carousel Controls-->
    <a href="#mainCarousel" role="button"
data-slide="prev" class="carousel-control-
prev">
        <span class="carousel-control-prev-
icon"></span>
    </a>
    <a href="#mainCarousel" role="button"
data-slide="next" class="carousel-control-
next">
        <span class="carousel-control-next-
icon"></span>
    </a>
</div>
</body>
```

</html>

## Carousel Indicators:

- Indicators allow to slide to any specific item in carousel.
- Indicators will show how many items are there.
- The classes required for adding indicators

Class	Description
.carousel-indicators	It is a collection of indicators. Usually indicators collection is defined with a set of items in <ol> or <ul>.

- The jQuery attributes used by indicators

Attribute	Description
data-target	It specifies the ID of carousel. Indicators should refer to ID of carousel.
data-slide-to-number	It indicates the index number of items to slide. Index starts with 0.

	Every indicator is defined with data-slide-to
--	---

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Carousel</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/boot
strap.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></
script>
```

```
    <script
src="../node_modules/bootstrap/dist/js/bootstr
ap.bundle.js"></script>
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
    <div id="mainCarousel" class="carousel
slide" data-ride="carousel">
```

```
<!--Carousel Indicators-->
<ol class="carousel-indicators">
  <li data-target="#mainCarousel" data-
slide-to="0" class="active"></li>
  <li data-target="#mainCarousel" data-
slide-to="1"></li>
  <li data-target="#mainCarousel" data-
slide-to="2"></li>
</ol>
<div class="carousel-inner">
  <div class="carousel-item active">
    
  </div>
  <div class="carousel-item">
    
  </div>
  <div class="carousel-item">
```

```
        
    </div>
</div>
<!--Carousel Inner Ends-->
<!--Carousel Controls-->
    <a href="#mainCarousel" role="button"
data-slide="prev" class="carousel-control-
prev">
        <span class="carousel-control-prev-
icon"></span>
    </a>
    <a href="#mainCarousel" role="button"
data-slide="next" class="carousel-control-
next">
        <span class="carousel-control-next-
icon"></span>
    </a>
</div>
</body>
```



</html>

## Carousel Slide Timing

- You can use the attribute “data-interval” to defined timing for every carousel item.
- It uses milliseconds to define the timing [1000ms = 1sec].

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Carousel</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></sc
ript>
```

```
    <script
src="../node_modules/bootstrap/dist/js/bootstra
p.bundle.js"></script>
```

```
</head>
<body class="container-fluid">
  <div id="mainCarousel" class="carousel slide"
data-ride="carousel">
    <!--Carousel Indicators-->
    <ol class="carousel-indicators">
      <li data-target="#mainCarousel" data-slide-
to="0" class="active"></li>
      <li data-target="#mainCarousel" data-slide-
to="1"></li>
      <li data-target="#mainCarousel" data-slide-
to="2"></li>
    </ol>
    <div class="carousel-inner">
      <div class="carousel-item active" data-
interval="2000">
        
      </div>
```

```
<div class="carousel-item" data-  
interval="1000">
```

```

```

```
</div>
```

```
<div class="carousel-item" data-  
interval="4000">
```

```

```

```
</div>
```

```
</div>
```

```
<!--Carousel Inner Ends-->
```

```
<!--Carousel Controls-->
```

```
<a href="#mainCarousel" role="button"  
data-slide="prev" class="carousel-control-prev">
```

```
<span class="carousel-control-prev-  
icon"></span>
```

```
</a>
```

```
<a href="#mainCarousel" role="button"  
data-slide="next" class="carousel-control-next">
```

```
<span class="carousel-control-next-  
icon"></span>  
  
</a>  
  
</div>  
  
</body>  
  
</html>
```

## Bootstrap Collapse

- It is used to define a container which can expand and collapse dynamically.
- Show or hide contents in a group dynamically.

Class	Description
.collapse	It is a container that contains the content to collapse.
.collapsing	It defines the animation style for collapse.
.collapse.show	It is used to show content

- jQuery attributes to control collapse

data-target	It specifies the ID reference for collapse container. If you are using button to collapse
-------------	--

	then define “data-target”. If you are using “<a>” to collapse then define “href”
data- toggle	It is used to toggle the display ON or OFF.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Collapse</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/boot
strap.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></
script>
```

```
    <script
src="../node_modules/bootstrap/dist/js/bootstr
ap.bundle.js"></script>
```

```
  </head>
```

```
<body class="container-fluid">
  <h2>Collapse Demo</h2>
  <div>
    <a href="#bootstrap" data-
toggle="collapse" >Show/Hide</a>
    <button data-target="#bootstrap" data-
toggle="collapse" class="btn btn-
primary">Show / Hide</button>
  </div>
  <div class="collapse collapsing"
id="bootstrap">
    <h2>Bootstrap</h2>
    <p>Something about bootstrap.</p>
  </div>
</body>
</html>
```

## **Bootstrap Accordion**

- Accordion is a wrapper used to enclose a group of containers, which can toggle the display.

- You have to use combination of “collapse and accordion”.
- You have to use “.accordion” class for defining the main container.
- To refer the accordion, you can use the attribute “data-parent”

Syntax:

```
<div class="accordion" id="main">  
  <div class="collapse" data-parent="#main">  
  </div>  
  <div class="collapse" data-parent="#main">  
  </div>  
</div>
```

- You have to use buttons or links to toggle the collapse.

Ex:

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>Collapse</title>
```

```
<link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/boot
strap.css">
```

```
<script
src="../node_modules/jquery/dist/jquery.js"></
script>
```

```
<script
src="../node_modules/bootstrap/dist/js/bootstr
ap.bundle.js"></script>
```

```
</head>
```

```
<body class="container-fluid">
```

```
<h1 class="text-center">Online
Tutorial</h1>
```

```
<div class="accordion" id="topics">
```

```
<div class="card">
```

```
<div class="card-header"
id="htmlTopic">
```

```
<button data-
target="#htmlCollapse" data-toggle="collapse"
class="btn btn-danger btn-block">HTML
Tutorial</button>
```



</div>

<div class="collapse show" data-parent="#topics" id="htmlCollapse">

<div class="card-body">

<h2>HTML Tutorial</h2>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. Note that if you are a volume license customer, use of this software is subject to your volume license agreement rather than this agreement.</p>

```
        </div>
    </div>
</div>
<div class="card">
    <div class="card-header">
        <button data-target="#jsCollapse"
data-toggle="collapse" class="btn btn-danger
btn-block">JavaScript Examples</button>
    </div>
    <div class="collapse" data-
parent="#topics" id="jsCollapse">
        <div class="card-body">
            <h2>JavaScript Examples</h2>
            <p>Depending on how you
obtained the Windows software, this is a license
agreement between (i) you and the device
manufacturer or software installer that
distributes the software with your device; or (ii)
you and Microsoft Corporation (or, based on
where you live or, if a business, where your
principal place of business is located, one of its
```

affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. Note that if you are a volume license customer, use of this software is subject to your volume license agreement rather than this agreement.</p>

</div>

</div>

</div>

<div class="card">

<div class="card-header">

<button data-target="#jqCollapse" data-toggle="collapse" class="btn btn-danger btn-block">jQuery Tutorial</button>

</div>

<div class="collapse" data-parent="#topics" id="jqCollapse">

<div class="card-body">

## <h2>JQuery Tutorial</h2>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. Note that if you are a volume license customer, use of this software is subject to your volume license agreement rather than this agreement.</p>

</div>

</div>

</div>

</div>

```
</body>
</html>
```

## Bootstrap Dropdown

- Bootstrap dropdown is mostly used for navigation and selection.
- They are not suitable for dynamic manipulations like adding items, removing items dynamically.

Class	Description
.dropdown	It is main container with collection of menu items.
.dropdown-menu	It defines a menu with items.
.dropdown-menu-left	Menu with left orientation
.dropdown-menu-right	Menu with right orientation.
.dropdown-item	It specifies item in dropdown menu.
.dropdown-item-text	It is to define menu item.
.dropdown-	It is a separator for menu

divider	items.
.dropdown-toggle	It will add ON and OFF for dropdown.
.dropright	Animation for list items.
.dropleft	Left drop animation.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Dropdown</title>
```

```
    <link rel="stylesheet"
```

```
href="../node_modules/bootstrap/dist/css/bootstrap.css">
```

```
    <link rel="stylesheet"
```

```
href="../Fonts/css/all.css">
```

```
    <script
```

```
src="../node_modules/jquery/dist/jquery.js">
```

```
</script>
```

```
    <script
```

```
src="../node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
<h2>Amazon Shopping</h2>
<div class="btn-toolbar bg-danger">
  <div class="btn-group">
    <button class="btn btn-danger">
      <span class="fa fa-home"></span>
      Home
    </button>
    <div class="dropdown">
      <button data-toggle="dropdown"
class="btn btn-danger dropdown-toggle">
        Choose a Category
      </button>
      <div class="dropdown-menu">
        <a
href="../Pages/electronics.html"
target="frameBody" class="dropdown-item">
          <span class="fa fa-tv"></span>
          Electronics
        </a>
        <a href="../Pages/fashion.html"
target="frameBody" class="dropdown-item">
          <span class="fa fa-
tshirt"></span> Fashion
        </a>
```

```

        <a href="../Pages/footwear.html"
target="frameBody" class="dropdown-item">
            <span class="fa fa-shoe-
prints"></span> Footwear
        </a>
        <div class="dropdown-
divider"></div>
        <a href="#" class="dropdown-
item">more..</a>
        </div>
    </div>
</div>
</div>
<section>
    <iframe style="border:none"
height="400" name="frameBody"
width="100%"></iframe>
</section>
</body>
</html>

```

Ex: Dropright

```
<!DOCTYPE html>
```

```
<html>
```



```
<head>

  <title>Dropdown</title>

  <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootstrap.css">

  <link rel="stylesheet"
href="../Fonts/css/all.css">

  <script
src="../node_modules/jquery/dist/jquery.js"></script>

  <script
src="../node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>

  <style>

    .btn-toolbar {
      width: 200px;
    }

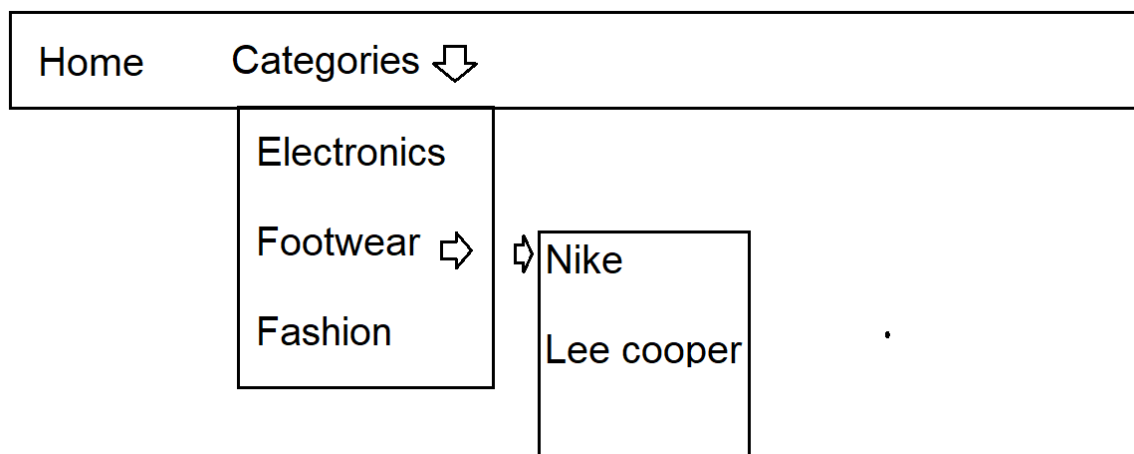
    .btn-group {
      width: 200px;
    }

  </style>

</head>
```

```
</style>
</head>
<body class="container-fluid">
  <div class="btn-toolbar bg-danger">
    <div class="btn-group btn-group-vertical">
      <div class="dropright">
        <button type="button" data-
toggle="dropdown" class="btn btn-danger btn-
block dropdown-toggle">
          Electronics
        </button>
        <ul class="dropdown-menu dropdown-
menu-right bg-danger text-light">
          <li><a href="#" class="dropdown-
item">TV</a></li>
          <li><a href="#" class="dropdown-
item">Mobile</a></li>
          <li><a href="#" class="dropdown-
item">Earbuds</a></li>
        </ul>
```

```
        </div>
    </div>
</div>
</body>
</html>
```



## Bootstrap Navigation

- Basic Navigation for page is designed by using “nav” classes.
- The items used for navigation are defined as `<ol>` or `<ul>`.
- The static navigation options can be defined by using following classes.

Class	Description
-------	-------------

.nav	It configures a navigation bar
.nav-item	It defines style for link in navigation item.
.nav-tabs	It defines a tab style for navigation.
.nav-pills	It defines a button style for navigation.
.nav-link	It is used for links in nav bar.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Dropdown</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootstrap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></script>
```

```
<script
src="../../node_modules/bootstrap/dist/js/bootstrap
p.bundle.js"></script>

</head>

<body class="container-fluid">

  <h2>Amazon Shopping</h2>

  <ul class="nav">

    <li class="nav-item"><a href="#"
class="nav-link"> <span class="fa fa-
home"></span> Home</a></li>

    <li class="nav-item"><a href="#"
class="nav-link"> <span class="fa fa-tv"></span>
Electronics</a></li>

    <li class="nav-item"><a href="#"
class="nav-link"> <span class="fa fa-
tshirt"></span> Fashion</a></li>

  </ul>

</body>

</html>
```

# Amazon Shopping

 Home

 Electronics

 Fashion

Ex: Tab Style

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

 Home

 Electronics

 Fashion

Ex: Pill style

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

## Bootstrap Tab Content

- Bootstrap provides Tab panels that can allows dynamically changing view.
- Classes required to create panels

Class	Description
.tab-content	It is a container of tab panels.
.tab-pane	It is used to define a panel.

Syntax:

```
<div class="tab-content" id="tab">  
  <div class="tab-pane show fade" id="home">  
  </div>  
  <div class="tab-pane fade" id="about">  
  </div>  
</div>
```

Ex:

```
<!DOCTYPE html>  
<html>  
  <head>  
    <title>Dropdown</title>  
    <link rel="stylesheet"  
href="../node_modules/bootstrap/dist/css/boot  
strap.css">  
    <link rel="stylesheet"  
href="../Fonts/css/all.css">  
    <script  
src="../node_modules/jquery/dist/jquery.js"></  
script>
```

```
<script  
src="../../node_modules/bootstrap/dist/js/bootstr  
ap.bundle.js"></script>
```

```
</head>
```

```
<body class="container-fluid">
```

```
<h2>Amazon Shopping</h2>
```

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

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

```
<a href="#details" data-toggle="tab"  
class="nav-link">
```

```
<span class="fa fa-info-circle"></span>
```

Basic Details

```
</a>
```

```
</li>
```

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

```
<a href="#preview" data-toggle="tab"  
class="nav-link">
```

```
<span class="fa fa-eye"></span>
```

Preview

```
</a>
```



</li>

<li class="nav-item">

<a href="#specifications" data-  
toggle="tab" class="nav-link">

<span class="fa fa-comment"></span>

Specifications

</a>

</li>

</ul>

<div class="tab-content" id="topics">

<div class="tab-pane fade show"  
id="details">

<h2>Nike Casuals</h2>

<p>&#8377; 5600.66</p>

</div>

<div class="tab-pane fade" id="preview">



</div>

```
<div class="tab-pane fade"
id="specifications">
    <h2>Description</h2>
    <p>something about nike casuals.</p>
</div>
</div>
</body>
</html>
```

## **Bootstrap List Group**

- It is used to display ordered and unordered list.
- The classes are
  - .list-group
  - .list-group-item (view)
  - .list-group-flush
  - .list-group-horizontal
  - .list-group-horizontal-sm,lg
  - .list-unstyled
  - .list-group-item-action (onclick)
  - .list-group-item-danger, info, warning etc.

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Dropdown</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></sc
ript>
```

```
    <script
src="../node_modules/bootstrap/dist/js/bootstra
p.bundle.js"></script>
```

```
    <style>
```

```
      .container-fluid {
        margin-top: 30px;
      }
```

```
    </style>
```

```
</head>
<body class="container-fluid">
  <div class="row">
    <div class="col-4">
      <div class="list-group" id="list-tab"
role="tablist">
        <a class="list-group-item list-group-
item-danger list-group-item-action" role="tab"
data-toggle="list" href="#list-html">
          HTML Tutorial
        </a>
        <a class="list-group-item list-group-
item-info list-group-item-action" role="tab" data-
toggle="list" href="#list-css">
          CSS Examples
        </a>
        <a class="list-group-item list-group-
item-warning list-group-item-action" role="tab"
data-toggle="list" href="#list-js">
          JavaScript Tutorial
```

</a>

</div>

</div>

<div class="col-8">

<div class="tab-content" id="content-  
details">

<div class="tab-pane fade show active"  
id="list-html" role="tabpanel">

<h2>HTML Tutorial</h2>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. Note that if you are a volume license

customer, use of this software is subject to your volume license agreement rather than this agreement.</p>

</div>

<div class="tab-pane fade" id="list-css" role="tabpanel">

## <h2>CSS Examples</h2>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. Note that if you are a volume license customer, use of this software is subject to your volume license agreement rather than this agreement.</p>

</div>

<div class="tab-pane fade" id="list-js"  
role="tabpanel">

<h2>JavaScript Tutorial</h2>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer. Microsoft is the device manufacturer for devices produced by Microsoft or one of its affiliates, and Microsoft is the retailer if you acquired the software directly from Microsoft. Note that if you are a volume license customer, use of this software is subject to your volume license agreement rather than this agreement.</p>

</div>

</div>

```
</div>  
</div>  
</body>  
</html>
```

## Dynamic Nav Bar

- Bootstrap provides “navbar” for designing main navigation for website.
- It is responsive navigation bar, which can change according to the device and screen.
- It uses a combination with “collapse”

Class	Description
.navbar	It is a container for navigation
.navbar-expand-lg,sm	It is used to define responsive navigation bar.
.navbar-toggler	It is used to define a toggle button to show or hide the items.
.navbar-toggler-icon	Icon for toggler button
.navbar.nav	To design the navigation



	items.
.navbar-dark	Dark theme
.navbar-light	Light theme
.navbar-brand	It sets a title for navigation bar.

### Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
    <script
src="../node_modules/jquery/dist/jquery.js"></sc
ript>
```

```
    <script
src="../node_modules/bootstrap/dist/js/bootstra
p.bundle.js"></script>
```

```
</head>
<body class="container-fluid">
  <nav class="navbar navbar-expand-lg navbar-
dark bg-dark">
    <button data-target="#navitems" data-
toggle="collapse" type="button" class="navbar-
toggler">
      <span class="navbar-toggler-
icon"></span>
    </button>
    <a href="#" class="navbar-brand">
      Amazon Shopping
    </a>
    <div id="navitems" class="collapse navbar-
collapse">
      <ul class="navbar-nav">
        <li class="nav-item"><a class="nav-link"
href="#"> <span class="fa fa-home"></span>
Home</a></li>
```

```
        <li class="nav-item"><a class="nav-link"
href="#"> <span class="fa fa-tv"></span>
Electronics</a></li>

        <li class="nav-item"><a class="nav-link"
href="#"> <span class="fa fa-shoe-
prints"></span>Footwear</a></li>

    </ul>

</div>

</nav>

</body>

</html>
```

## Bootstrap Modal

- Model is used to display a dialog box.
- You can open and close the dialog dynamically.

Class	Description
.modal	It is a container for dialog. All dialogs are kept inside modal.

.modal-dialog	It configures a dialog box in model.
.modal-content	It defines the content to display in dialog. Content comprises of header, body, footer.
.modal-header	Header content.
.modal-body	Body content.
.modal-footer	Footer content.
.modal-title	Title text.
.modal-dialog-scrollable	It will set overflow to scroll.
.modal-dialog-centered	It keeps the dialog center screen.

**Ex:**

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
<link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
<script
src="../node_modules/jquery/dist/jquery.js"></sc
ript>
```

```
<script
src="../node_modules/bootstrap/dist/js/bootstra
p.bundle.js"></script>
```

```
</head>
```

```
<body class="container-fluid">
```

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

```
<button data-target="#navitems" data-
toggle="collapse" type="button" class="navbar-
toggler">
```

```
<span class="navbar-toggler-
icon"></span>
```

```
</button>
```

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

```
Amazon Shopping
```

```
</a>
```

```
<div id="navitems" class="collapse navbar-collapse">
```

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

```
<li class="nav-item"><a class="nav-link"
href="#"> <span class="fa fa-home"></span>
Home</a></li>
```

```
<li class="nav-item"><a class="nav-link"
href="#"> <span class="fa fa-tv"></span>
Electronics</a></li>
```

```
<li class="nav-item"><a class="nav-link"
href="#"> <span class="fa fa-shoe-
prints"></span>Footwear</a></li>
```

```
<li class="nav-item"> <a class="nav-link"
href="#loginModal" data-toggle="modal"> <span
class="fa fa-user"></span> Login </a> </li>
```

```
<li class="nav-item"> <a class="nav-link"
href="#subscribe" data-toggle="modal"> <span
class="fa fa-registered"></span> Subscribe</a>
</li>
```

```
</ul>
```

```
</div>
```

```
</nav>
<div class="modal fade" id="loginModal">
  <div class="modal-dialog">
    <div class="modal-content">
      <div class="modal-header">
        <h3>User Login</h3>
        <button data-dismiss="modal"
class="close">x</button>
      </div>
      <div class="modal-body">
        <div class="form-group">
          <label>User Name</label>
          <div>
            <input type="text" class="form-
control">
          </div>
        </div>
        <div class="form-group">
```

```
        <label>Password</label>
        <div>
            <input type="password"
class="form-control">
        </div>
    </div>
</div>
<div class="modal-footer">
    <button class="btn btn-
primary">Login</button>
    <button data-dismiss="modal"
class="btn btn-danger">Cancel</button>
</div>
</div>
</div>
<div id="subscribe" class="modal fade bg-
dark">
    <div class="modal-dialog modal-dialog-
centered">
```



```
<div class="modal-content">
  <div class="modal-header">
    <h3>Subscribe</h3>
    <button data-dismiss="modal"
class="close">x</button>
  </div>
  <div class="modal-body">
    <div class="form-inline">
      <input type="email"
placeholder="Subscribe: Your Email" class="form-
control">
      <div class="btn-group">
        <button class="btn btn-
success">Subscribe</button>
        <button data-target="#subscribe"
data-toggle="modal" class="btn btn-
danger">Cancel</button>
      </div>
    </div>
  </div>
</div>
```

```
        </div>
    </div>
</div>
</body>
</html>
```

[Home](#) [About](#) [Service](#) [Contact us](#)

### Contact Details

- **Name:** Naresh Technologies
- **Email ID:** info@nareshit.com
- **Contact Number:** +91-xxxxxxxxxx
- **Address:** Hyderabad, India



**Singin – register, login, change password**  
**Responsive Navigation.**

## Bootstrap Forms

- Bootstrap provides a set of classes for presenting forms and controls.
- The classes used for displaying form elements like <input>, <select>, <textarea> etc. are
  - .form-control
  - .form-control-lg
  - .form-control-sm
  - .form-control-file [file input]
  - .form-control-range [range input]
- The class used to group controls is
  - .form-group
- The classes used for radios and checkbox
  - .form-check
  - .form-check-input
  - .form-check-label
  - .form-check-inline

**Ex:**

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
<link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
<link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
<style>
```

```
form {
```

```
width: 300px;
```

```
padding: 20px;
```

```
margin:auto;
```

```
border: 2px solid darkcyan;
```

```
box-shadow: 2px 2px 3px darkcyan;
```

```
background-color: lightyellow;
```

```
margin-top: 50px;
```

```
opacity: 0.8;
```

```
}
```

```
body {
```

```
background-image:
url("../Images/shoe.jpg");
```

```
background-repeat: no-repeat;
```

```
        background-position: center center;
        background-attachment: fixed;
    }
    label {
        font-weight: bold;
    }
</style>
</head>
<body class="container-fluid">
    <form>
        <h2>Register User</h2>
        <div class="form-group">
            <label>User Name</label>
            <div>
                <input type="text" class="form-
control">
            </div>
        </div>
        <div class="form-group">
```

```
<label>Password</label>
<div>
  <input type="password" class="form-
control">
</div>
</div>
<div class="form-group">
  <label>Your City</label>
  <div>
    <select class="form-control">
      <option>Delhi</option>
      <option>Hyd</option>
    </select>
  </div>
</div>
<div class="form-group">
  <label>Upload Photo</label>
  <div>
```

```
        <input type="file" class="form-control-  
file">
```

```
    </div>
```

```
</div>
```

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

```
    <label>Price Range</label>
```

```
    <div>
```

```
        <input type="range" class="form-  
control-range" >
```

```
    </div>
```

```
</div>
```

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

```
    <div>
```

```
        <label>Choose Gender</label>
```

```
    </div>
```

```
    <div class="form-check form-check-  
inline">
```

```
        <div>
```

```
            <input class="form-check-input"  
type="radio" name="gender">
```

```
        <label class="form-check-  
label">Male</label>
```

```
    </div>
```

```
</div>
```

```
<div class="form-check form-check-  
inline">
```

```
    <div>
```

```
        <input class="form-check-input"  
type="radio" name="gender">
```

```
        <label class="form-check-  
label">Female</label>
```

```
    </div>
```

```
</div>
```

```
</div>
```

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

```
    <div>
```

```
        <label>Select Hobbies</label>
```

```
    </div>
```

```
<div class="form-check form-check-  
inline">
```



```
        <input type="checkbox" class="form-check-input">
```

```
        <label class="form-check-label">Movies</label>
```

```
    </div>
```

```
    <div class="form-check form-check-inline">
```

```
        <input type="checkbox" class="form-check-input">
```

```
        <label class="form-check-label">Music</label>
```

```
    </div>
```

```
</div>
```

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

```
    <button class="btn btn-primary btn-block">Register</button>
```

```
</div>
```

```
</form>
```

```
</body>
```

```
</html>
```

## Inline Forms

- You can organize and display the form elements inline.
- It configures horizontal orientation for form elements.
- The classes are
  - .form-row
  - .col [general column classes 1 to 12]

### Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
    <style>
```

```
      form {
```

```
        height: 100px;
```

```
        border: 2px solid darkcyan;
```

```
        margin:auto;
        margin-top: 50px;
        box-shadow: 2px 3px 4px darkcyan;
        padding: 20px;
        border-radius: 10px;
    }
</style>
</head>
<body class="container-fluid">
    <form>
        <div class="form-row">
            <div class="col">
                <input type="text" placeholder="User
Name" class="form-control">
            </div>
            <div class="col">
                <input type="password"
placeholder="Password" class="form-control">
            </div>
        </div>
    </form>
</body>
</html>
```

```
<div class="col">
    <button class="btn btn-primary btn-
block">Login</button>
</div>
</div>
</form>
</body>
</html>
```

## Bootstrap Input Group

- Input group is used to group a set of controls and display as one element.
- Controls can be merged into one component.

Class	Description
.input-group	It is container with group of controls
.input-group-prepend	It is used to define a control hand side.
.input-group-append	It is used to define a control right hand side.
.input-group-text	It is special appearance for controls defined in prepend

	and append.
--	-------------

**Ex:**

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootst
rap.css">
```

```
    <link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
  </head>
```

```
  <body class="container-fluid">
```

```
    <h2>Input group append</h2>
```

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

```
      <input placeholder="Email Id" type="email"
class="form-control">
```

```
      <div class="input-group-append">
```

```
        <span class="input-group-
text">@gmail.com</span>
```

```
</div>
```

```
</div>
```

```
<h2>Input group prepend</h2>
```

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

```
  <div class="input-group-prepend">
```

```
    <span class="input-group-text"> &#8377;
```

```
</span>
```

```
  </div>
```

```
    <input type="text" class="form-control"
placeholder="Enter Price">
```

```
</div>
```

```
<h2>Prepend and Append</h2>
```

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

```
  <div class="input-group-prepend">
```

```
    <span class="input-group-text">
```

```
&#8377;</span>
```

```
  </div>
```

```
    <input type="text" class="form-control"
placeholder="Your Price">
```

```
  <div class="input-group-append">
```

```
        <span class="input-group-  
text">.00</span>
```

```
    </div>
```

```
</div>
```

```
<h2>Amazon</h2>
```

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

```
    <div class="input-group-prepend">
```

```
        <select class="input-group-text">
```

```
            <option>All</option>
```

```
            <option>Footwear</option>
```

```
            <option>Fashion</option>
```

```
        </select>
```

```
    </div>
```

```
    <input type="text" class="form-control">
```

```
    <div class="input-group-append">
```

```
        <button class="btn btn-outline-  
warning">
```

```
            <span class="fa fa-search"></span>
```

```
        </button>
```

</div>

</div>

<h2>Multiple Prepend</h2>

<div class="input-group">

<div class="input-group-prepend">

<span class="input-group-text">

First Name

</span>

<span class="input-group-text">

Last Name

</span>

</div>

<input type="text" class="form-control"  
placeholder="First Name - LastName">

</div>

<h2>Custom</h2>

<div class="input-group">

<input type="text" class="form-control">



```
    <div class="input-group-append input-  
group-prepend">  
        <span class="input-group-  
text">@</span>  
    </div>  
    <input type="text" class="form-control">  
</div>  
</body>  
</html>
```