

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.
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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 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:

```
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```

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```

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```

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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
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.carousel-indicators	<p>It is a collection of indicators.</p> <p>Usually indicators collection is defined with a set of items in or .</p>
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- The jQuery attributes used by indicators

Attribute	Description
data-target	<p>It specifies the ID of carousel.</p> <p>Indicators should refer to ID of carousel.</p>
data-slide-to-number	<p>It indicates the index number of items to slide. Index starts with 0.</p> <p>Every indicator is defined with data-slide-to</p>

Ex:

```
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```

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```

```
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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:

```
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```

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```

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```

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```

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