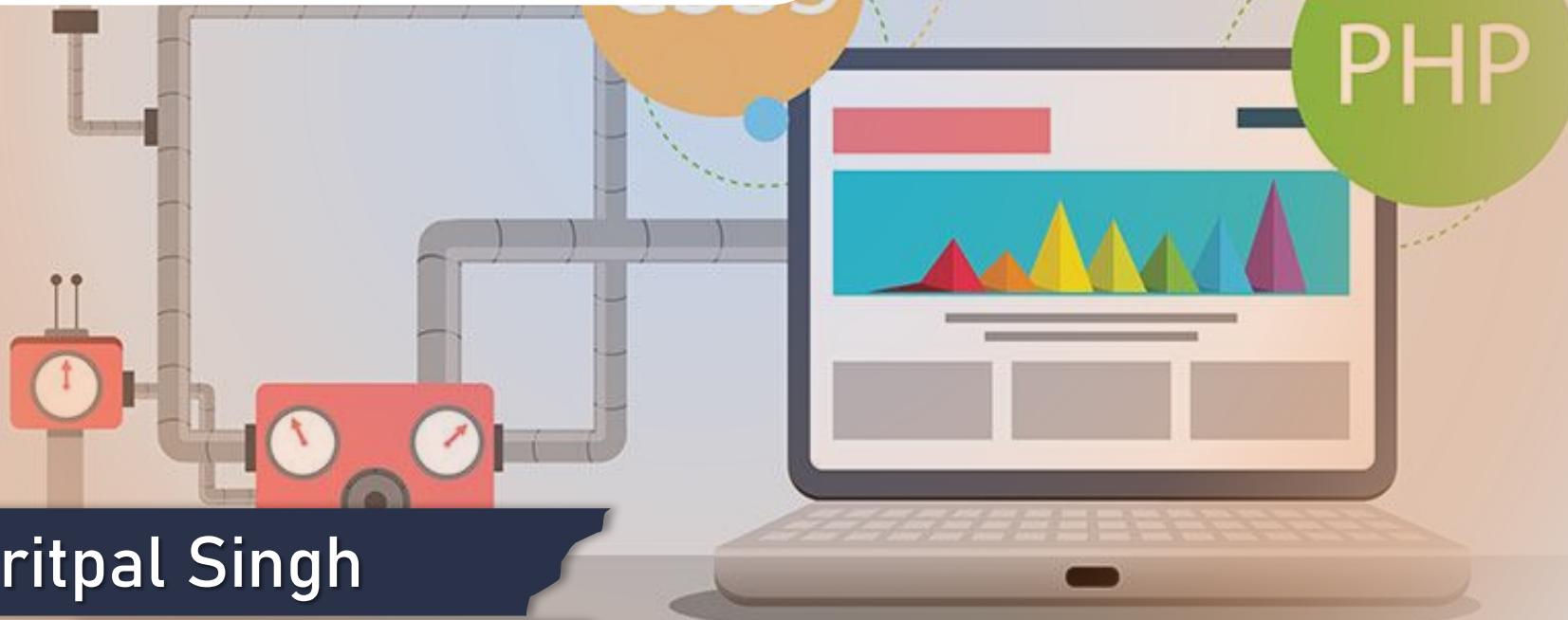


ECAP472

WEB TECHNOLOGIES



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Learning Outcomes



After this lecture, you will be able to

- implement Bootstrap 4 – Carousel.
- implement bootstrap modals .

Bootstrap 4

Carousel

A carousel in Bootstrap 4 can be defined as a slideshow that is used for the purpose to slideshow through a series of content to show the audience the content and to enhance the website. A carousel can also be called as slideshow or image slider.

Bootstrap 4

Carousel

It can be regarded as one of the best ways of displaying the large number of contents inside a small space on a web page.

Bootstrap 4

Carousel

A carousel can be created in four main ways, which are

- Using slides only
- Using controls
- With the indicators
- With the captions

Using Slides only

This carousel only contains slides. The class `carousel-inner` is used to add different slides to the carousel.

Using Controls

In this, two little arrows will be added to the slides which can help a user to manually switch to any slide in the carousel.

The classes used are given below

- **.carousel-control-prev class**

It inserts a left or previous button to the carousel, that will give access to the user to go back between the slides.

- **.carousel-control-next class**

It inserts a right or next button to the carousel, that will give access to the user to go forward between the slides.

The classes used are given below

- **.carousel-control-prev class**

It inserts a left or previous button to the carousel, that will give access to the user to go back between the slides.

- **.carousel-control-next class**

It inserts a right or next button to the carousel, that will give access to the user to go forward between the slides.

The classes used are given below

- **.carousel-control-prev-icon class**

It can be used along with the .carousel-control-prev in order to create a previous button.

- **.carousel-control-next-icon class**

It can be used along with the .carousel-control-next to create a "next" button

The classes used are given below

- **.carousel-control-prev-icon class**

It can be used along with the .carousel-control-prev in order to create a previous button.

- **.carousel-control-next-icon class**

It can be used along with the .carousel-control-next to create a "next" button

With the Indicators:

The .carousel-indicators class is the class that can be used to add indicators for the carousel. The indicators in this class are used to indicate how many slides are in the carousel, and which slide the user is currently viewing.

With the Captions:

- A user can also add captions to their slides in Bootstrap 4
- A caption can be easily used to convey to the audience of the website that what exactly is happening in the carousel. For the purpose of adding captions, a user has to add elements inside <div class="carousel-caption"> within each <div class="carousel-item"> in order to create a caption for every slide.

Bootstrap 4 Modal

The Modal component is a dialog box/popup window
that is displayed on top of the current page

How To Create a Modal

```
<!-- The Modal -->
```

```
<div class="modal" id="myModal">
```

```
  <div class="modal-dialog">
```

```
    <div class="modal-content">
```

How To Create a Modal

```
<!-- Modal Header -->
```

```
<div class="modal-header">  
  <h4 class="modal-title">Modal Heading</h4>  
  <button type="button" class="close" data-  
    dismiss="modal">&times;</button>  
</div>
```

```
<!-- Modal body -->
```

```
<div class="modal-body">  
  Modal body..  
</div>
```

How To Create a Modal

```
<!-- Modal footer -->
```

```
<div class="modal-footer">  
  <button type="button" class="btn btn-danger" data-  
  dismiss="modal">Close</button>  
</div>
```

Difference Between Bootstrap and CSS

Definition

Bootstrap is a free and open-source front-end framework for designing websites and web applications.

CSS is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

Versions

Bootstrap has Bootstrap 3,4 and

CSS has CSS 1, 2,3 versions

Grid

Furthermore, Bootstrap provides a grid system, which creates a page layout through a series of rows and columns that can place the content. **There is no Grid system in CSS.**

Designed Classes

Also, Bootstrap contains already designed classes. The programmer can use them in his program to add styling to the elements without writing code from the beginning. On the other hand, in CSS, the programmer should write the code from scratch.

Usage

Considering the usage, the Bootstrap helps to create responsive designs that are more presentable while CSS helps to create presentable webpages.

Usage

Bootstrap and CSS help to build presentable user interfaces. The basic difference between Bootstrap and CSS is that the Bootstrap is a front-end framework while CSS is a style sheet language. They help to add background and borders, text effects, 2D, 3D animations etc. to web pages.

That's all for now...