Tooltip, Modal and Carousel

Topics Covered:

- What is Tooltip?
- How to create a Tooltip?
- Positioning Tooltip.
- What is Modal?
- Modal Features.
- Carousel.
- Carousel Class and Description.
- Carousel Caption.

Topics in Detail:

What is Tooltip?

- Tooltips display text (or other content) when you hover over an HTML element.
- The Tooltip component is a small pop-up box that appears when the user moves the mouse pointer over an element.

How to create a Tooltip?

- To create a tooltip, add the **data-bs-toggle="tooltip"** attribute to an element.
- Use the **title** attribute to specify the text that should be displayed inside the tooltip.
- Tooltips must be initialized with JavaScript to work.
- HTML:

```
<button type="button" class="btn btn-primary" data-bs-toggle="tooltip" title="Hooray!">Hover
over me!</button>
```
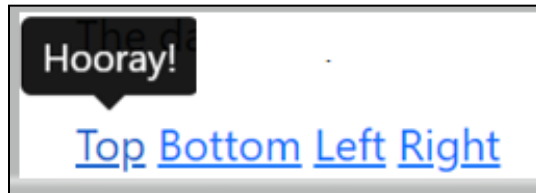
- JS:

```html
<script>
var tooltipTriggerList = [].slice.call(document.querySelectorAll('[data-bs-
toggle="tooltip"]'))
var tooltipList = tooltipTriggerList.map(function (tooltipTriggerEl) {
  return new bootstrap.Tooltip(tooltipTriggerEl)
})
</script>
```

Positioning Tooltips:

- By default, the tooltip will appear on top of the element.
- Use the **data-bs-placement** attribute to set the position of the tooltip on top, bottom, left or the right side of the element.
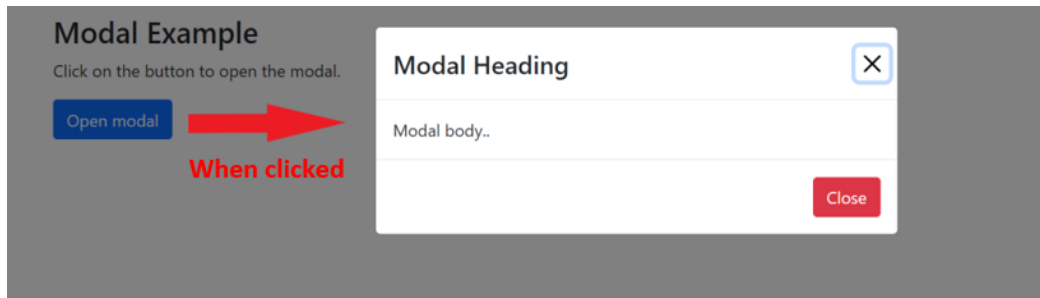- Code:

```html
<a href="#" data-bs-toggle="tooltip" data-bs-placement="top" title="Hooray!">Hover</a>
<a href="#" data-bs-toggle="tooltip" data-bs-placement="bottom" title="Hooray!">Hover</a>
<a href="#" data-bs-toggle="tooltip" data-bs-placement="left" title="Hooray!">Hover</a>
<a href="#" data-bs-toggle="tooltip" data-bs-placement="right" title="Hooray!">Hover</a>
```

- Output:

What is Modal?

- A modal (also called a modal window or lightbox) is a web page element that displays in front of and deactivates all other page content.
- To return to the main content, the user must engage with the modal by completing an action or by closing it.
- The Modal component is a dialog box/popup window that is displayed on top of the current page.

2

Example Code:

```html
<div class="container mt-3">
  <h3>Modal Example</h3>
  <p>Click on the button to open the modal.</p>

  <button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#myModal">
    Open modal
  </button>
</div>
```
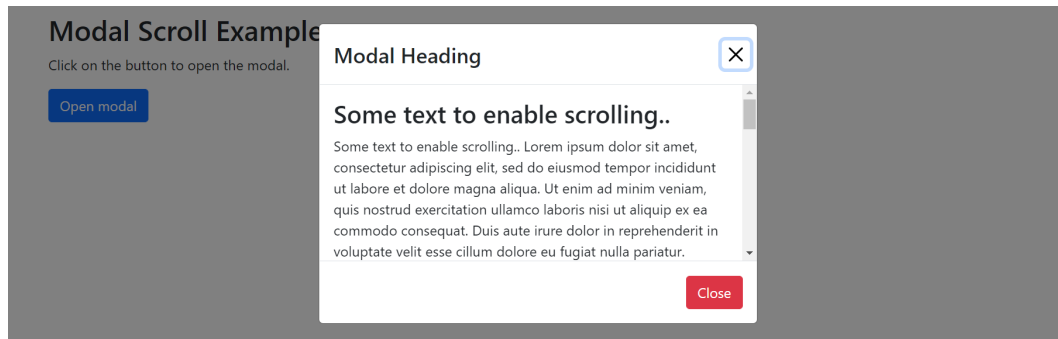
```html
<!-- The Modal -->
<div class="modal" id="myModal">
  <div class="modal-dialog">
    <div class="modal-content">
      <!-- Modal Header -->
      <div class="modal-header">
        <h4 class="modal-title">Modal Heading</h4>
        <button type="button" class="btn-close" data-bs-dismiss="modal"></button>
      </div>
      <!-- Modal body -->
      <div class="modal-body">
        Modal body..
      </div>
      <!-- Modal footer -->
      <div class="modal-footer">
        <button type="button" class="btn btn-danger" data-bs-dismiss="modal">Close</button>
      </div>
    </div>
  </div>
</div>
```
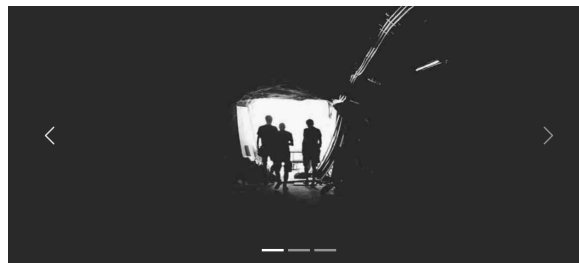
Modal Features:

- **Animation:** Use the *.fade* class to add a fading effect when opening and closing the modal.
- **Size:** Change the size of the modal by adding the *.modal-sm* class for small modals (max-width 300px), *.modal-lg* class for large modals (max-width 800px), or *.modal-xl* for extra large modals (max-width 1140px). Default is 500px max-width.
- Add the size class to the <div> element with class *.modal-dialog*.
- **Fullscreen:** If you want the modal to span the whole width and height of the page, use the *.modal-fullscreen* class.
- **Centered Modal:** Center the modal vertically and horizontally within the page, with the *.modal-dialog-centered* class.

- **Scrolling Modal:** When you have a lot of content inside the modal, a scrollbar is added to the page. However, it is possible to only scroll inside the modal, instead of the page itself, by adding *.modal-dialog-scrollable* to *.modal-dialog*

Carousel/Slideshow:

- A website carousel or slider, is an effective way of displaying multiple images or content in a single space.
- It not only helps in saving screen space, but also encourages visitors to focus on important website content and improves the overall visual appeal effectively.
- The Carousel is a slideshow for cycling through elements.

Carousel Class and Description:

Class	Description
.carousel	Creates a carousel
.carousel-indicators	Adds indicators for the carousel. These are the little dots at the bottom of each slide (which indicates how many slides there are in the carousel, and which slide the user are currently viewing)
.carousel-inner	Adds slides to the carousel
.carousel-item	Specifies the content of each slide
.carousel-control-prev	Adds a left (previous) button to the carousel, which allows the user to go back between the slides
.carousel-control-next	Adds a right (next) button to the carousel, which allows the user to go forward between the slides
.carousel-control-prev-icon	Used together with .carousel-control-prev to create a "previous" button
.carousel-control-next-icon	Used together with .carousel-control-next to create a "next" button
.slide	Adds a CSS transition and animation effect when sliding from one item to the next. Remove this class if you do not want this effect

Carousel Caption:

Add elements inside **<div class="carousel-caption">** within each **<div class="carousel-item">** to create a caption for each slide.