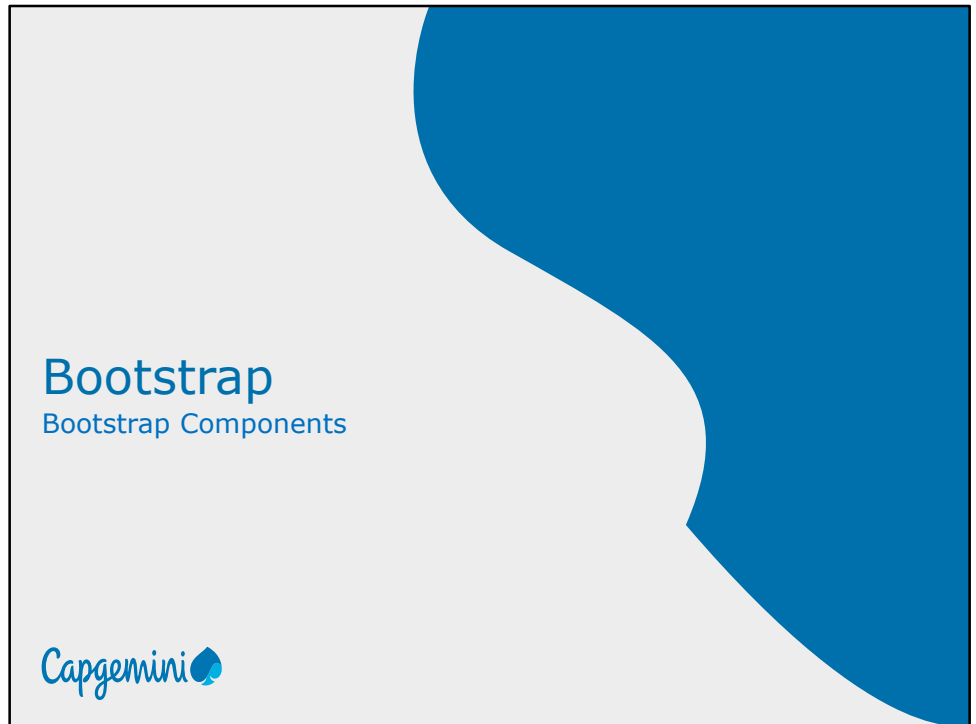


Instructor Notes:

Add instructor notes here.



Instructor Notes:

Add instructor notes here.

Lesson Objectives



➤ Working with Bootstrap components



Instructor Notes:

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3.1: Bootstrap Components

Page Header




- Page header is used to add appropriate spacing around the headings on a page. It represents the heading part of the page.
- It is used to orient the users about, what page they are visiting by specifying an heading and information below the heading regarding that page.
- It provides an horizontal ruler which gives a clear separation from the content of the page.

```
<div class="page-header">  
  <h1>Page header demo</h1>  
  <p>This page demonstrates the usage of page header component</p>  
</div>
```

Instructor Notes:

Add instructor notes here.

Demo



➤Pageheader

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Instructor Notes:

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3.1: Bootstrap Components

Breadcrumb




- Breadcrumbs are used to show the hierarchy-based information of a site
- It indicates the current page's location with navigational hierarchy.
- Like page header component, bread crumb component also orient the users which page they are visiting.
- A breadcrumb in Bootstrap is simply an unordered list with a class of *.breadcrumb*, in which the current page link is added with the class *.breadcrumb-item active*

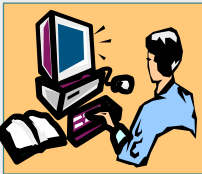
```
<ol class="breadcrumb">
  <li class="breadcrumb-item"><a href="india.html">India</a></li>
  <li class="breadcrumb-item"><a href="karnataka.html">Karnataka</a></li>
  <li class="breadcrumb-item active">Bangalore</li>
</ol>
```

Instructor Notes:

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Demo

 Breadcrumb



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3.1: Bootstrap Components Button Groups



- Button group allows us to work with an inline set of buttons.
- To create a basic button group we need to wrap a series of buttons with class `.btn` in `.btn-group`
- We can apply `.btn-group-lg`, `.btn-group-md`, `.btn-group-sm`, `.btn-group-xs` classes to button group to resize the buttons placed inside it.
- `.btn-group-vertical` make a set of buttons appear vertically stacked rather than horizontally.
- We can even use button groups as checkboxes / radio buttons in a form

```
<div class="btn-group">
  <button type="button" class="btn btn-primary">Button1</button>
  <button type="button" class="btn btn-primary">Button1</button>
  <button type="button" class="btn btn-primary">Button1</button>
</div>
```

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Creating default button:

```
<button type="button" class="btn btn-primary">Basic</button>
```

Instead of applying button sizes to every button in a group, use class `.btn-group-lg` for a large button group or the `.btn-group-sm` for a small button group

Bootstrap 4 provides eight outline/bordered buttons:


```
<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>
```

Instructor Notes:

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Demo

➤ Buttongroup



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Instructor Notes:

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3.1: Bootstrap Components

Dropdowns



- Dropdown menus are toggleable, contextual menus for displaying links in a list format.
- It can be used on a variety of different elements, navs, buttons and more.
- To create split button dropdown use `.dropdown-toggle-split` for proper spacing around the dropdown caret.

```
<div class="dropdown">
  <button type="button" class="btn btn-primary dropdown-toggle" data-
toggle="dropdown">Dropdown button</button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">One</a>
      <a class="dropdown-item" href="#">Two</a>
      <a class="dropdown-item" href="#">Three</a>
      <div class="dropdown-divider"></div>
      <a class="dropdown-item disabled" href="#">Four</a>
    </div>
```

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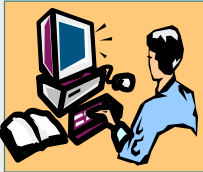
To create responsive dropdown submenu, need to provide respective `.css` and `.js`.

Instructor Notes:

Add instructor notes here.

Demo

➤Dropdown



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Instructor Notes:

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3.1: Bootstrap Components

Nav & Navbars



- A simple horizontal menu can be created by adding `.nav` class to a `` element, followed by `.nav-item` for each `` and the `.nav-link` class can be added to their respective links.
- To align `nav` at center or right add class `.justify-content-center` or `.justify-content-end`.
- Use `.flex-column` class to create a vertical nav.
- To use `nav` as navigation tabs use `.nav-tab` class, add `.active` class to specify current/active link. Add `.dropdown` class to create nav-tab with dropdown.

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

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Instructor Notes:

3.1: Bootstrap Components
Nav & Navbars

- A navigation bar is a navigation header that is placed at the top of the page. In Bootstrap, a navigation bar can extend or collapse, depending on the screen size.
- Basic navbar can be created by adding the `.navbar` class with responsive collapsing class `.navbar-expand-xl|lg|md|sm`.
- To add links to the navbar, create an unordered list with the `.navbar-nav` class.
- Each individual list item can be defined, by adding `.nav-item` class to `` element and then the `.nav-link` class is used with an `<a>` element for individual links.
- The `.navbar-brand` class used to highlight the brand or logo of the page.
- To create navbar with dropdown menu, add the dropdown code to the `` element with the help of `.dropdown` class

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```


<header class="container">
    <nav class="navbar bg-light navbar-expand-md">
        <a class="navbar-brand" href="#"></a>
        <ul class="navbar-nav">
            <li class="nav-item"><a
class="nav-link" href="#">About Us</a> </li>
            <li class="nav-item
dropdown">
                <a class="nav-link dropdown-
toggle" href="#" data-toggle="dropdown">Services <span class="navbar-
icon"></span></a>
                <ul class="dropdown-menu">
                    <li><a class="dropdown-
item" href="#">Application Development</a></li>
                    <li><a class="dropdown-
item" href="#">Application Maintenance</a></li>
                    <li><a class="dropdown-
item" href="#">Cloud Services</a></li>
                    <li><a class="dropdown-
item" href="#">Enterprise Mobility</a></li>
                </ul></li>
            <li class="nav-item
active"><a class="nav-link" href="#">Contact Us</a></li>
        </ul>
    </nav>
</header>

```

Instructor Notes:

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Demo



➤ Nav-Navbars

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Instructor Notes:

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3.1: Bootstrap Components Input groups



- Input groups are extended Form Controls.
- Using input groups we can easily prepend and append text or buttons to text-based inputs.
- To prepend or append elements to a `.form-group`:
 - Wrap `<input>` element in a `<div>` with class **`.input-group`**
 - Within that same `<div>` , place the extra content inside a `` with class **`.input-group-prepend`** . To wrap the buttons instead of text use the class **`.input-group-btn`**
 - Then place the `` either before or after the `<input>` element.

```
<div class="input-group-prepend">  
  <span class="input-group-text">@</span>  
  <input type="text" class="form-control"  
    name="Name" placeholder="Enter your Email">  
</div>
```

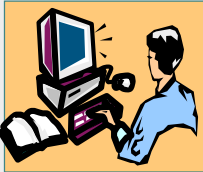
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Instructor Notes:

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Demo

➤Inputgroup



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Instructor Notes:

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3.1: Bootstrap Components Pagination



- Bootstrap supports pagination component using the following classes.
 - Add **.pagination** class to element to get the pagination on page. Then Add the .page-item to each element and a .page-link class to each link inside .
 - We can use the classes **.disabled** and **.active** to set the states for the elements
 - We can apply sizing using **.pagination-lg**, **.pagination-sm** and classes .

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


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.previous and **.next** classes are dropped in Bootstrap4.

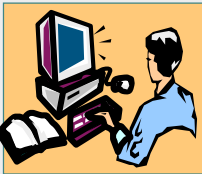
Instructor Notes:

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Demo



➤Pagination



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Instructor Notes:

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3.1: Bootstrap Components Card



- A card in Bootstrap 4 is a bordered box with some padding around its content.
- It includes options for headers, footers, content, colors, etc.
- To get a basic Card, just add class `.card` to the `<div>` element and add the style class like `.panel-default` along with it.
- To specify heading, body and footer to card use the classes `.card-header`, `.card-body` and `.card-footer` respectively inside `<div>` with the class `.card`
- Use `<h1>` - `<h6>` with a `.card-title` class inside the `<div>` with `.card-header` class to add a pre-styled heading.

```
<div class="card text-white bg-primary">  
  <div class="card-header"><h2 class="card-title">Title</h2></div>  
  <div class="card-body"><p>Card content ...</p></div>  
  <div class="card-footer"><p>Footer</p></div>  
</div>
```


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Panel component is replaced with **Card** in Bootstrap 4.

Instructor Notes:

Add instructor notes here.

Demo



➤Card

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Instructor Notes:

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3.1: Bootstrap Components

Card with Card Body(Well effect)



- The `.card` class along with `.card-body` class can be used with container `<div>` that causes the content to appear sunken or an inset effect on the page.(It will give the same effect as that of class `.well`)
- Padding size for the contents with in the card body can be specified using the classes `.mb-{sm,md,lg,xl}`. `.bd` class is for responsive bottom margin.
- We can also apply the class `.lead` to the element which holds the content to provide additional emphasis .

```
<div class="card card-body mb-3">  
  <p class="lead">Well Content.</p>  
</div>
```

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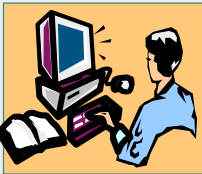
`.well` is replaced with `.card.card-body`

Instructor Notes:

Add instructor notes here.

Demo





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Instructor Notes:

Add instructor notes here.

3.1: Bootstrap Components

Jumbotron



- A Jumbotron indicates a big box for calling extra attention to some special content or information.
- A Jumbotron is displayed as a grey box with rounded corners. It also enlarges the font sizes of the text inside it.
- To use the Jumbotron, simply create a container `<div>` with the class of `.jumbotron`.

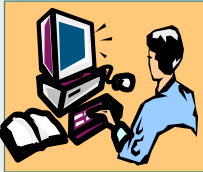
```
<div class="jumbotron">
  <div class="container text-center">
    <h1>Heading</h1>
    <p>Content.</p>
    <a href="#" class="btn btn-lg btn-default">FreeTrail</a>
  </div>
</div>
```

Instructor Notes:

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Demo

➤Jumbotron



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Instructor Notes:

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3.1: Bootstrap Components

Alerts



➤ Alerts are used to provide contextual feedback messages for user actions .

➤ Alert can be created by wrapping the contextual messages in a `<div>` and adding a class of `.alert` with one of the four contextual classes

- `.alert-success`
- `.alert-info`
- `.alert-warning`
- `.alert-danger`


```
<div class="well well-lg">
  <p class="lead">Well Content.</p>
</div>
```

➤ We can add close icon to alert with `.alert-dismissible` class to the `<div>` tag and adding a close button with `data-dismiss="alert"`

Instructor Notes:

Add instructor notes here.

Demo



➤Alerts

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