



WESTCLIFF
UNIVERSITY
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MODULE 2

Week 3: Bootstrap

Day 1



Agenda

Bootstrap

1. Bootstrap Table, Card, Image, Forms
2. Bootstrap Button & Button Group
3. Bootstrap Jumbotron and Sticky Top
4. Bootstrap Alert
5. Bootstrap Badges
6. Bootstrap ProgressBar
7. Bootstrap Spinner
8. Bootstrap Media Objects
9. Bootstrap Pagination

Bootstrap Table, Card, Image, Forms

Bootstrap Table



Use .table class for table to make the table bootstrap

```
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
</head>
```

```
<table class="table">
  <thead>
    <tr>
      <th>Firstname</th>
      <th>Lastname</th>
      <th>Email</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>John</td>
      <td>Doe</td>
      <td>john@example.com</td>
    </tr>
```

Bootstrap Table Classes



- .table class
- .table-striped class
- .table-bordered class
- .table-hover class
- .table-dark class
- .table-dark and .table-striped combined
- .table-dark and .table-hover combined
- .table-borderless class
- .table-sm class
- .table-responsive class

Bootstrap Table Contextual Classes



Class	Description
<code>.table-primary</code>	Blue: Indicates an important action
<code>.table-success</code>	Green: Indicates a successful or positive action
<code>.table-danger</code>	Red: Indicates a dangerous or potentially negative action
<code>.table-info</code>	Light blue: Indicates a neutral informative change or action
<code>.table-warning</code>	Orange: Indicates a warning that might need attention
<code>.table-active</code>	Grey: Applies the hover color to the table row or table cell
<code>.table-secondary</code>	Grey: Indicates a slightly less important action
<code>.table-light</code>	Light grey table or table row background
<code>.table-dark</code>	Dark grey table or table row background

Bootstrap Table Header Classes

- .thead-dark class
- .thead-light class



Bootstrap Responsive Table Classes



Class	Screen width
<code>.table-responsive-sm</code>	< 576px
<code>.table-responsive-md</code>	< 768px
<code>.table-responsive-lg</code>	< 992px
<code>.table-responsive-xl</code>	< 1200px

Bootstrap Card

- .card class
 - .card-header class
 - .card-body class
 - .card-footer class



Bootstrap Cards

```
<div class="card">
  <div class="card-body">Basic card</div>
</div>
<br>
<div class="card bg-primary text-white">
  <div class="card-body">Primary card</div>
</div>
<br>
<div class="card bg-success text-white">
  <div class="card-body">Success card</div>
</div>
<br>
<div class="card bg-info text-white">
  <div class="card-body">Info card</div>
</div>
<br>
<div class="card bg-warning text-white">
  <div class="card-body">Warning card</div>
</div>
<br>
<div class="card bg-danger text-white">
  <div class="card-body">Danger card</div>
</div>
<br>
<div class="card bg-secondary text-white">
  <div class="card-body">Secondary card</div>
</div>
<br>
<div class="card bg-dark text-white">
  <div class="card-body">Dark card</div>
</div>
<br>
<div class="card bg-light text-dark">
  <div class="card-body">Light card</div>
</div>
```



Cards with Contextual Classes

Basic card

Primary card

Success card

Info card

Warning card

Danger card

Secondary card

Dark card

Light card

Bootstrap Card



```
<div class="container">
  <h2>Card Image</h2>
  <p>Image at the top (card-img-top):</p>
  <div class="card" style="width:400px">
    
    <div class="card-body">
      <h4 class="card-title">John Doe</h4>
      <p class="card-text">Sample text - some example text.</p>
      <a href="#" class="btn btn-primary">See Profile</a>
    </div>
  </div>
  <br>

  <p>Image at the bottom (card-img-bottom):</p>
  <div class="card" style="width:400px">
    <div class="card-body">
      <h4 class="card-title">Jane Doe</h4>
      <p class="card-text">Sample text - some example text.</p>
      <a href="#" class="btn btn-primary">See Profile</a>
    </div>
    
  </div>
</div>
```

Bootstrap Images

- .rounded class
- .rounded-circle class
- .img-thumbnail class
- .float-right class
- .float-left class
- .mx-auto (margin:auto)
- .d-block
- .img-fluid



Bootstrap Forms

- .form-group class
- .form-inline class

Stacked form

Email:

Password:

☐ Remember me



Inline form

Make the viewport larger than 576px wide to see that all of the form elements are inline and left-aligned. On small screens, the form groups will stack horizontally.

Email:

Password:

☐ Remember me

Bootstrap Button & Button Group

Bootstrap Buttons



```
<button type="button" class="btn">Basic</button>  
<button type="button" class="btn btn-primary">Primary</button>  
<button type="button" class="btn btn-secondary">Secondary</button>  
<button type="button" class="btn btn-success">Success</button>  
<button type="button" class="btn btn-info">Info</button>  
<button type="button" class="btn btn-warning">Warning</button>  
<button type="button" class="btn btn-danger">Danger</button>  
<button type="button" class="btn btn-dark">Dark</button>  
<button type="button" class="btn btn-light">Light</button>  
<button type="button" class="btn btn-link">Link</button>
```

Bootstrap Buttons Outline



```
<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>
```


Bootstrap Buttons Size



```
<button type="button" class="btn btn-primary btn-lg">Large</button>  
<button type="button" class="btn btn-primary">Default</button>  
<button type="button" class="btn btn-primary btn-sm">Small</button>  
<button type="button" class="btn btn-primary btn-block">Full-Width Button</button>
```

Bootstrap Buttons Size



```
<button type="button" class="btn btn-primary btn-lg">Large</button>  
<button type="button" class="btn btn-primary">Default</button>  
<button type="button" class="btn btn-primary btn-sm">Small</button>  
<button type="button" class="btn btn-primary btn-block">Full-Width Button</button>
```

Bootstrap Buttons Groups



```
<div class="btn-group">
  <button type="button" class="btn btn-primary">HTML</button>
  <button type="button" class="btn btn-primary">CSS</button>
  <button type="button" class="btn btn-primary">Javascript</button>
</div>

<div class="btn-group btn-group-lg">
  <button type="button" class="btn btn-primary">HTML</button>
  <button type="button" class="btn btn-primary">CSS</button>
  <button type="button" class="btn btn-primary">Javascript</button>
</div>

<div class="btn-group btn-group-sm">
  <button type="button" class="btn btn-primary">HTML</button>
  <button type="button" class="btn btn-primary">CSS</button>
  <button type="button" class="btn btn-primary">Javascript</button>
</div>

<div class="btn-group-vertical">
  <button type="button" class="btn btn-primary">HTML</button>
  <button type="button" class="btn btn-primary">CSS</button>
  <button type="button" class="btn btn-primary">Javascript</button>
</div>
```

Bootstrap Jumbotron and Sticky Top

Bootstrap Jumbotron



```
<div class="jumbotron">
  <h1>Bootstrap Tutorial</h1>
  <p>Bootstrap is the most popular HTML, CSS...</p>
</div>
```

```
<div class="jumbotron jumbotron-fluid">
  <div class="container"> <!-- you can also use container-fluid-->
    <h1>Bootstrap Tutorial</h1>
    <p>Bootstrap is the most popular HTML, CSS...</p>
  </div>
</div>
```

Bootstrap Sticky Top



the **.sticky-top** class makes the navbar fixed/stay at the **top** of the page when you scroll **past** it.

```
<nav class="navbar navbar-expand-sm bg-dark navbar-dark sticky-top">
  <a class="navbar-brand" href="#">Logo</a>
  <ul class="navbar-nav">
    <li class="nav-item">
      <a class="nav-link" href="#">HTML</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">CSS</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">JS</a>
    </li>
  </ul>
</nav>
```

Bootstrap Alert

Bootstrap Alert



Alerts are created with the **.alert** class, followed by one of the contextual classes

- .alert-success
- .alert-info
- .alert-warning
- .alert-danger
- .alert-primary
- .alert-secondary
- .alert-light
- .alert-dark

Bootstrap Alert



Success! This alert box indicates a successful or positive action.

Info! This alert box indicates a neutral informative change or action.

Warning! This alert box indicates a warning that might need attention.

Danger! This alert box indicates a dangerous or potentially negative action.

Primary! This alert box indicates an important action.

Secondary! This alert box indicates a less important action.

Dark! Dark grey alert box.

Bootstrap Alert



```
<div class="container">
  <h2>Alert Classes and Link Class</h2>
  <p>Add the alert-link class to any links inside the alert box to create "matching colored links".</p>
  <div class="alert alert-success">
    <strong>Success!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-info">
    <strong>Info!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-warning">
    <strong>Warning!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-danger">
    <strong>Danger!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-primary">
    <strong>Primary!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-secondary">
    <strong>Secondary!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-dark">
    <strong>Dark!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
  <div class="alert alert-light">
    <strong>Light!</strong> You should <a href="#" class="alert-link">read this message</a>.
  </div>
</div>
```

Bootstrap Badges

Bootstrap Badges



Badges are a good way to add additional information to content

```
<div class="container">
  <h2> Badges</h2>
  <span class="badge badge-primary">Primary</span>
  <span class="badge badge-secondary">Secondary</span>
  <span class="badge badge-success">Success</span>
  <span class="badge badge-danger">Danger</span>
  <span class="badge badge-warning">Warning</span>
  <span class="badge badge-info">Info</span>
  <span class="badge badge-light">Light</span>
  <span class="badge badge-dark">Dark</span>
</div>
```

Bootstrap Badges



Badges

Primary **Secondary** **Success** **Danger** **Warning** **Info** **Light** **Dark**

Bootstrap ProgressBar

Bootstrap Progress Bar



A progress bar acts as a communication tool to user. It tells the user how far along he/she is with in the process

```
<div class="progress" style="height:10px">
  <div class="progress-bar"></div>
</div>
<br>
<div class="progress" style="height:20px">
  <div class="progress-bar" style="width:50%;height:20px"></div>
</div>
<br>
<div class="progress" style="height:30px">
  <div class="progress-bar" style="width:60%;height:30px"></div>
</div>
```

Bootstrap Progress Bar



Bootstrap Spinner

Bootstrap Spinner



A Spinner also acts as a communication tool to user. It tells the user that something is in the process of loading.

```
<button class="btn btn-primary">  
  <span class="spinner-border spinner-border-sm"></span>  
</button>
```

```
<button class="btn btn-primary">  
  <span class="spinner-border spinner-border-sm"></span>  
  Loading..  
</button>
```



Bootstrap Media Objects

Bootstrap Media Objects



Bootstrap provides an easy way to align media objects together with content to make your website appealing to user. Media objects are often used to display blog comments, tweets etc.

```
<div class="media border p-3">
  
  <div class="media-body">
    <h4>West Cliff User <small><i>Posted on February 15, 2021</i></small></h4>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
  </div>
```



West Cliff User *Posted on February 15, 2021*

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Bootstrap Media Objects



Media objects can also be nested.

```
<div class="media border p-3">
  
  <div class="media-body">
    <h4>WestCliff User <small><i>Posted on February 1, 2020</i></small></h4>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
    <div class="media p-3">
      
      <div class="media-body">
        <h4>Westcliff User <small><i>Posted on February 10 2020</i></small></h4>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>
      </div>
    </div>
  </div>
</div>
```



WestCliff User *Posted on February 1, 2020*

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.



Westcliff User *Posted on February 10 2020*

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

Bootstrap Pagination

Bootstrap Pagination



Media objects can also be nested.

```
<ul class="pagination">
  <li class="page-item"><a class="page-link" href="#">Previous</a></li>
  <li class="page-item"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```



Resources

<https://www.w3schools.com/bootstrap4>
<https://getbootstrap.com/docs/4.0/content/tables/>
<https://getbootstrap.com/docs/4.0/content/tables>
<https://getbootstrap.com/docs/4.0/components/card/>

Questions?