

Lab No:3

Bootstrap

Objectives:

In this lab, student will be able to

1. Develop web pages using design templates
 2. Learn how to use bootstrap elements ***What is Bootstrap?***
- Bootstrap is a free front-end framework for faster and easier web development
 - Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins
 - Bootstrap also gives you the ability to easily create responsive designs(automatically adjust themselves to look good on all devices)

Bootstrap Containers are used to pad the content inside of them, and there are two container classes available:

- The .container class provides a responsive fixed width container
- The .container-fluid class provides a full width container, spanning the entire width of the viewport Example:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<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/4.4.1/css/bootstrap.min.css">

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/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/4.4.1/js/bootstrap.min.js"></scr
ipt>

</head>

<body>

<div class="container">

  <h1>My First Bootstrap Page</h1>

  <p>This part is inside a .container class.</p>

  <p>The .container class provides a responsive fixed width container.</p>

  <p>Resize the browser window to see that its width (max-width) will change at
different breakpoints.</p>

</div>

</body></html>

```

Bootstrap Tables

The .table-striped class adds zebra-stripes to a table.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>

```

Firstname	Lastname	Email
John	Doe	john@example.com
Mary	Moe	mary@example.com
July	Dooley	july@example.com

```

<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></scrip
t> <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"></script>
</head>
<body>

<div class="container">
  <h2>Dark Striped Table</h2>
  <p>Combine .table-dark and .table-striped to create a dark, striped table:</p>
  <table class="table table-dark table-striped">
    <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>
    </tbody>
  </table>

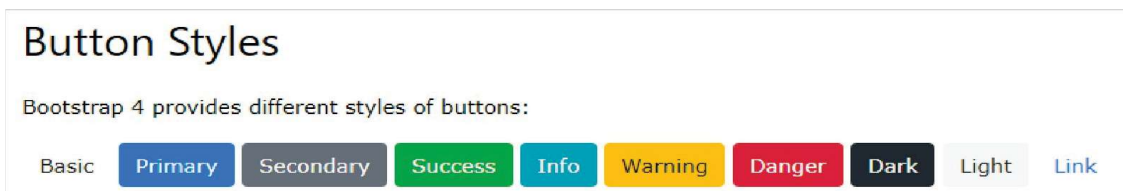
```

```

</div>
</body>
</html>

<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>

```



Exercise:

1. Design the student bio-data form using button, label, textbox, radio button, table and checkbox.
2. Design a web page which shows the database oriented CRUD operation. Consider Employee data.
3. Create a web page using bootstrap as mentioned. Divide the page in to 2 parts top and bottom, then divide the bottom into 3 parts and design each top and bottom part using different input groups, input, badges, buttons and button groups. Make the design more attractive.

Home Assignments:

1. Design an attractive 'train ticket booking form' using different bootstrap elements.
2. Design an attractive 'magazine cover page' using different bootstrap elements.
3. Design your class timetable using bootstrap table and carousel.