

K. J. Somaiya College of Engineering, Mumbai-77
(A Constituent College of Somaiya Vidyavihar University)

Batch: B4 Roll No.: 16010122805

Experiment No. 03

TITLE: Demonstrate the use of Bootstrap

AIM: To use bootstrap (open source front-end development framework) for the creation of web pages.

Expected Outcome of Experiment: Re_design of web pages using various HTML, CSS tags with bootstrap.

Books/ Journals/ Websites referred:

<http://getbootstrap.com/getting-started>

Problem Statement:

1. Students have to re-design web-pages developed in Experiment 1 and 2 by using bootstrap.
2. Create a webpage using bootstrap with following features,
 - i) use a container to set the content's margins dealing with the responsive behaviors of layout.
 - ii) shape the image into a circle
 - iii) use bootstrap grid system
 - iv) create basic pagination
 - v) insert search icon(glyphicon)

Description of the application implemented with output:

Home Page:

```
<!DOCTYPE html>
```

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

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge">
```

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```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Notedemy-Home Page</title>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css">
<link rel="stylesheet" href="..\CSS\home.css">
</head>

<body>

  <header class="d-flex flex-wrap align-items-center justify-content-center justify-
content-md-between py-3 mb-4">
    <a href="home.html"
      class="d-flex align-items-center fs-1 col-md-3 mb-2 mb-md-0 text-decoration-
none ms-5 f-playfair"
      style="color: #F64C72;">
      <b><em>Notedemy</em></b>
    </a>

    <ul class="nav col-12 col-md-auto mb-2 justify-content-center mb-md-0">
      <li><a href="home.html" class="nav-link px-2 link-secondary me-
3">Home</a></li>
      <li><a href="" class="nav-link px-2 link-dark me-3">Features</a></li>
      <li><a href="#" class="nav-link px-2 link-dark me-3">FAQs</a></li>
      <li><a href="contact.html" class="nav-link px-2 link-dark me-3">Contact
Us</a></li>
    </ul>

    <div class="col-md-3 text-end pe-4">
      <a href="login.html"><button type="button" class="btn btn-outline-primary me-
4">Login</button></a>
      <a href="signup.html"><button type="button" class="btn btn-primary">Sign-
up</button></a>
    </div>
  </header>

  <div id="about-container">
    <div class="title">About Notedemy</div>
    <div class="about-text">
      <div class="about-image"></div>
    </div>
  </div>
```

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Notedemy is an online notes sharing platform where students and teachers can upload their notes.

They can also download the notes by selecting the course name and sorting through some of the

filters.

This project is made by Yakshit Poojary and Salman Moghul.

Front-End: HTML,CSS and Javascript.

Back-End: PHP.

Database: MySQL

</div>

</div>

<div id="contacts-container">

<div class="title">Contact Us</div>

<div class="contacts">

<ul class="email">

Email Us At:

<ul class="contact-list">

Yakshit Poojary: <a href="mailto:

yakshit.p@somaiya.edu">yakshit.p@somaiya.edu

Salman Moghul: <a href="mailto:

salman.m@somaiya.edu">salman.m@somaiya.edu

<ul class="github">

Github:

<ul class="contact-list">

Yakshit Poojary: YakshitPoojary

Salman Moghul: Sallu9007

</div>

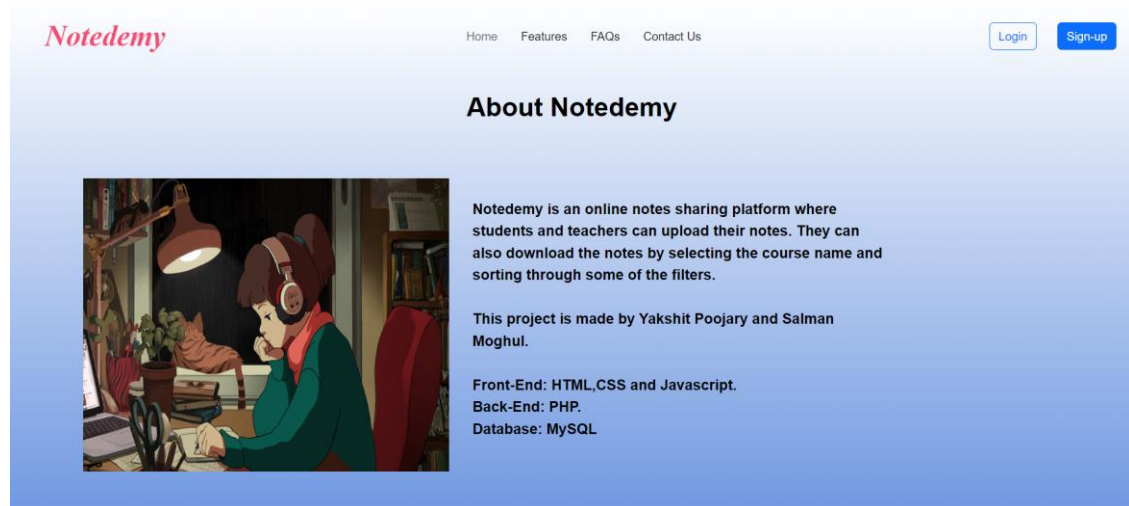
</div>

</body>

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</html>



Login Page:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Login</title>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css">
<script src="https://kit.fontawesome.com/80e7d0c422.js" crossorigin="anonymous"></script>
<link rel="stylesheet" href="..\CSS\login.css">
</head>

<body>

<header class="row align-items-center justify-content-center align-item-center py-0 mb-4 mt-3" style="--bs-gutter-x: 0;">
<div class="col-2 text-center">

Notedemy

</div>

<div class="col-8">
<ul class="nav col-12 col-md-auto mb-2 justify-content-center mb-md-0">
Home

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```
<li><a href="" class="nav-link px-2 link-dark me-3">Features</a></li>
<li><a href="#" class="nav-link px-2 link-dark me-3">FAQs</a></li>
<li><a href="contact.html" class="nav-link px-2 link-dark me-3">Contact
Us</a></li>
</ul>
</div>

<div class="col-2 text-center">
  <a href="signup.html" class="btn btn-primary ps-5 pe-5">Sign-up</a>
</div>
</header>

<form class="mt-4">
  <div class="row justify-content-center mt-3 fs-2 fw-bold">Login</div>

  <!-- Email input -->
  <div class="form-outline mb-4 mt-5">
    <label class="form-label" for="form2Example1">Username</label>
    <input type="email" id="form2Example1" class="form-control" />
  </div>

  <!-- Password input -->
  <div class="form-outline mb-4">
    <label class="form-label" for="form2Example2">Password</label>
    <input type="password" id="form2Example2" class="form-control" />
  </div>

  <!-- Submit button -->
  <div class="row justify-content-center mt-5">
    <!-- <button type="button" class="btn btn-primary btn-block mb-4 ">Login</button>
    -->
    <a href="user_profile.html" class="btn btn-primary btn-block mb-4">Login</a>

  </div>

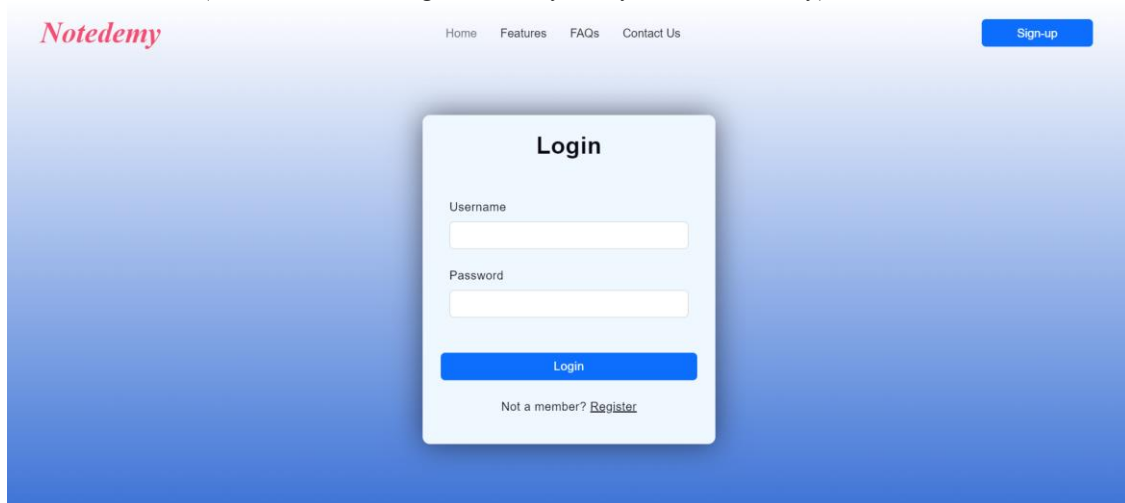
  <!-- Register buttons -->
  <div class="text-center">
    <p>Not a member? <a href="signup.html">Register</a></p>
  </div>
</form>

</body>

</html>
```

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Sign-up Page:

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>User Signup</title>
```

```
  <link rel="stylesheet" href="..\CSS\signup.css">
```

```
  <link rel="stylesheet"
```

```
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css">
```

```
</head>
```

```
<body>
```

```
  <header class="row align-items-center justify-content-center align-item-center mb-3
  mt-3" style="--bs-gutter-x: 0;">
```

```
    <div class="col-2 text-center">
```

```
      <a href="home.html" class="align-items-center fs-1 text-decoration-none f-
      playfair" style="color: #F64C72;">
```

```
        <b><em>Notedemy</em></b>
```

```
      </a>
```

```
    </div>
```

```
  <div class="col-8">
```

```
    <ul class="nav col-12 col-md-auto mb-2 justify-content-center mb-md-0">
```

```
      <li><a href="home.html" class="nav-link px-2 link-secondary me-
      3">Home</a></li>
```

```
      <li><a href="" class="nav-link px-2 link-dark me-3">Features</a></li>
```

```
      <li><a href="#" class="nav-link px-2 link-dark me-3">FAQs</a></li>
```

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```
<li><a href="contact.html" class="nav-link px-2 link-dark me-3">Contact
Us</a></li>
</ul>
</div>
```

```
<div class="col-2 text-center">
  <a href="login.html" class="btn btn-primary ps-5 pe-5">Login</a>
</div>
</header>
```

```
<!--First Name, Last Name, Username, Email, Password, Branch, Role-->
```

```
<section class="vh-100 gradient-custom">
  <div class="container h-90">
    <div class="row justify-content-center h-100">
      <div class="col-12 col-lg-9 col-xl-7">
        <div class="card shadow-2-strong card-registration mt-5" style="border-
radius: 15px;">
          <div class="card-body p-4 p-md-5">
            <h3 class="mb-4 pb-2 pb-md-0 mb-md-5 row justify-content-
center">Register</h3>
            <form>
```

```

      <div class="row mb-4">
        <div class="col-md-6 mb-4">
          <div class="form-outline">
            <input type="text" id="firstName" class="form-control
form-control-md"
              placeholder="First Name" />
          </div>
        </div>
        <div class="col-md-6 mb-4">
          <div class="form-outline">
            <input type="text" id="lastName" class="form-control
form-control-md"
              placeholder="Last Name" />
          </div>
        </div>
      </div>
    </div>
  </div>
```

```
<div class="row">
  <div class="col-md-12 mb-5 d-flex align-items-center">
    <div class="form-outline datepicker w-100">
```

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```
<input type="text" class="form-control form-control-md"
id="email"

placeholder="Email Id" />
</div>
</div>
</div>

<div class="row mb-4">
  <div class="col-md-6 mb-4 pb-2">
    <div class="form-outline">
      <input type="email" id="emailAddress" class="form-
control form-control-md"

placeholder="Username" />
    </div>
  </div>

  <div class="col-md-6 mb-4 pb-2">
    <div class="form-outline">
      <input type="password" id="password" class="form-control
form-control-md"

placeholder="Password" />
    </div>
  </div>
</div>

<div class="row">
  <div class="col-6">
    <select class="select form-control-md p-2">
      <option value="1" selected disabled>Branch</option>
      <option value="2">Computer Engineering</option>
      <option value="3">Information Technology</option>
      <option value="4">Mechanical</option>
      <option value="5">Electronics</option>
      <option value="4">Telecommunication</option>
    </select>
  </div>
  <div class="col-6">
    <select class="select form-control-md p-2">
      <option value="1" selected disabled>Role</option>
      <option value="2">Student</option>
      <option value="3">Teacher</option>
    </select>
  </div>
</div>
```



```
<div class="mt-3 pt-2 row justify-content-center">  
    <input class="btn btn-primary btn-md" type="submit"  
value="Submit" />  
</div>  
</form>  
</div>  
</div>  
</div>  
</div>  
</div>  
</section>  
</body>  
  
</html>
```

[Home](#) [Features](#) [FAQs](#) [Contact Us](#) [Login](#)

Register

Branch

▼

Role

▼

Submit

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

Department of Computer Engineering
WPL Sem IV / Jan 2023 - May 2023

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<body>

<header class="d-flex flex-wrap align-items-center justify-content-center justify-content-md-between py-3 mb-4">

Notedemy

<ul class="nav col-12 col-md-auto mb-2 justify-content-center mb-md-0">
Home
Features
FAQs
Contact Us

<div class="col-md-3 text-end pe-4">
<button type="button" class="btn btn-outline-primary me-4">Login</button>
<button type="button" class="btn btn-primary">Sign-up</button>
</div>
</header>

<h3>Contact Us</h3>
<!-- <div class="row">
</div> -->

<div class="container d-flex justify-content-center">

<div class="row input-container ">
<div class="col-xs-12">
<div class="styled-input wide justify-content-center align-items-center ">
<input type="text" required />
<label>Name</label>
</div>
</div>
<div class="col-md-6 col-sm-12">
<div class="styled-input">
<input type="text" required />
<label>Email</label>

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```
</div>
</div>
<div class="col-md-6 col-sm-12">
  <div class="styled-input" style="float:right;">
    <input type="text" required />
    <label>Phone Number</label>
  </div>
</div>
<div class="col-xs-12">
  <div class="styled-input wide">
    <textarea required></textarea>
    <label>Message</label>
  </div>
</div>
<div class="col-xs-12">
  <div class="btn-lrg submit-btn">Send Message</div>
</div>
</div>
</div>
</body>
</html>
```

Post Lab Questions:

1. What is the use of containers in bootstrap? Explain in detail.

A. Containers are the most basic layout element in Bootstrap and are required when using our default grid system. Containers are used to contain, pad, and (sometimes) center the content within them

2. Name the classes to achieve the different button styles in bootstrap.

A. The classes that can be used to achieve different button styles in bootstrap are:

- i. button sizing: btn, btn-sm, btn-lg
- ii. button colour: btn-primary, btn-secondary, btn-danger, btn-warning, btn-success, etc

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iii. button outlining: btn, btn-outline

3. Write details about the Bootstrap Grid system.

A. Bootstrap's grid system uses a series of containers, rows, and columns to layout and align content.

Rows are wrappers for columns. Each column has horizontal padding (called a gutter) for controlling the space between them. This padding is then counteracted on the rows with negative margins. This way, all the content in your columns is visually aligned down the left side.

In a grid layout, content must be placed within columns and only columns may be immediate children of rows.

Column widths are set in percentages, so they're always fluid and sized relative to their parent element.