

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases



Hospital Management System

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INTRODUCTION

A Hospital Management System (HMS) is a software application designed to streamline and automate various administrative, clinical, and operational tasks within a healthcare facility, such as a hospital or clinic. MongoDB is a NoSQL database that can be used to store and manage the data for such a system.

Database Schema Design:

MongoDB is a NoSQL database, which means it does not require a fixed schema like traditional relational databases. This flexibility is advantageous when designing a Hospital Management System because healthcare data can be quite dynamic. You can design collections (tables in the SQL world) to store various types of data, such as patient records, doctor details, appointments, billing information, and more.

Appointments and Scheduling:

To manage appointments, you can have an "Appointments" collection. Each document can represent an appointment and include fields like patient ID, doctor ID, appointment date and time, status, etc. You can use MongoDB's querying capabilities to find available slots or upcoming appointments.

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

About Project

I have selected this project as my Next Generation Databases Where I have taken topic as Hospital management in this I have selected template from google and inserted that code in my NetBeans 8.2 .For my backend I have used Mongo dB which helps me to insert all my data in server .For my project I have created 4 tables i.e.-Book Appointment ,Contact Us, Login, Sign up.

Each Tables stores the details of patients where

1.Book Appointment:-It is having columns as Patient Name, Doctors Name where we have drop down menu to select doctors ,Department name where we have drop down to select the drop down for department ,Phone no where patient will add there phone number and symptoms.

2.Contact us:- In contact us table if patient wants to contact the hospital they can do it simply adding there details such as Full name,email,phone no , message and the data will get stored into our mongo dB database.

3.Login:- In login patient needs to login there data so that they can access the website The login page will work only if sign up is done properly else it will give you an error.

Our login page I contain Username and Password after successful Entry only patient will redirect to actual website.

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

4.Signup:- For our website first customer has to do sign up once the sign up has been done then it will redirect to login page and then they need to add the details and will redirect to main page for our website and the data will get stored in our mongo server.

Code and Output

Index.html (Book appointment)

```
<!DOCTYPE html>
<html>

<head>
  <!-- Basic -->
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <!-- Mobile Metas -->
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
  <!-- Site Metas -->
  <meta name="keywords" content="" />
  <meta name="description" content="" />
  <meta name="author" content="" />

  <title>medicare</title>

  <!-- bootstrap core css -->
  <link rel="stylesheet" type="text/css" href="css/bootstrap.css" />

  <!-- fonts style -->
  <link href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;500;700;900&display=swap" rel="stylesheet">

  <!--owl slider stylesheet -->
  <link rel="stylesheet" type="text/css" href="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.carousel.min.css" />

  <!-- font awesome style -->
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<link href="css/font-awesome.min.css" rel="stylesheet" />
<!-- nice select -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/jquery-nice-select/1.1.0/css/nice-select.min.css" integrity="sha256-mLBIhmBvigTFWPSCtvdu6a76T+3Xyt+K571hupeFLg4=" crossorigin="anonymous" />
<!-- datepicker -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-datepicker/1.3.0/css/datepicker.css">
<!-- Custom styles for this template -->
<link href="css/style.css" rel="stylesheet" />
<!-- responsive style -->
<link href="css/responsive.css" rel="stylesheet" />

</head>

<body>

<div class="hero_area">
  <!-- header section strats -->
  <header class="header_section">
    <div class="header_top">
      <div class="container">
        <div class="contact_nav">
          <a href="">
            <i class="fa fa-phone" aria-hidden="true"></i>
            <span>
              Call : +01 123455678990
            </span>
          </a>
          <a href="">
            <i class="fa fa-envelope" aria-hidden="true"></i>
            <span>
              Email : demo@gmail.com
            </span>
          </a>
          <a href="">
            <i class="fa fa-map-marker" aria-hidden="true"></i>
            <span>
              Location
            </span>
          </a>
        </div>
      </div>
    </div>
    <div class="header_bottom">
      <div class="container-fluid">
        <nav class="navbar navbar-expand-lg custom_nav-container ">
          <a class="navbar-brand" href="index.html">
            

```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
</a>

<button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
  <span class=""> </span>
</button>

<div class="collapse navbar-collapse" id="navbarSupportedContent">
  <div class="d-flex mr-auto flex-column flex-lg-row align-items-
center">
    <ul class="navbar-nav">
      <li class="nav-item active">
        <a class="nav-link" href="index.html">Home <span class="sr-
only">(current)</span></a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="about.html"> About</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="treatment.html">Treatment</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="doctor.html">Doctors</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="testimonial.html">Testimonial</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="contact.html">Contact Us</a>
      </li>
    </ul>
  </div>
  <div class="quote_btn-container">
    <a href="login.html">
      <i class="fa fa-user" aria-hidden="true"></i>
      <span>
        Login
      </span>
    </a>
    <a href="sign.html">
      <i class="fa fa-user" aria-hidden="true"></i>
      <span>
        Sign Up
      </span>
    </a>
    <form class="form-inline">
      <button class="btn my-2 my-sm-0 nav_search-btn" type="submit">
```

Next Generation Databases

```

        <i class="fa fa-search" aria-hidden="true"></i>
      </button>
    </form>
  </div>
</div>
</nav>
</div>
</div>
</header>
<!-- end header section -->
<!-- slider section -->
<section class="slider_section">
  <div class="dot_design">
    
  </div>
  <div id="customCarousel1" class="carousel slide" data-ride="carousel">
    <div class="carousel-inner">
      <div class="carousel-item active">
        <div class="container">
          <div class="row">
            <div class="col-md-6">
              <div class="detail-box">
                <div class="play_btn">
                  <button>
                    <i class="fa fa-play" aria-hidden="true"></i>
                  </button>
                </div>
                <h1>
                  Mico <br>
                  Hospital
                </span>
              </h1>
              <p>
                when looking at its layout. The point of using Lorem Ipsum is
                that it has a more-or-less normal distribution of letters, as opposed to
              </p>
              <a href="">
                Contact Us
              </a>
            </div>
            <div class="col-md-6">
              <div class="img-box">
                
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>

```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
</div>
<div class="carousel-item">
  <div class="container ">
    <div class="row">
      <div class="col-md-6">
        <div class="detail-box">
          <div class="play_btn">
            <button>
              <i class="fa fa-play" aria-hidden="true"></i>
            </button>
          </div>
          <h1>
            Mico <br>
            <span>
              Hospital
            </span>
          </h1>
          <p>
            when looking at its layout. The point of using Lorem Ipsum is
            that it has a more-or-less normal distribution of letters, as opposed to
          </p>
          <a href="">
            Contact Us
          </a>
        </div>
      </div>
      <div class="col-md-6">
        <div class="img-box">
          
        </div>
      </div>
    </div>
  </div>
</div>
<div class="carousel-item">
  <div class="container ">
    <div class="row">
      <div class="col-md-6">
        <div class="detail-box">
          <div class="play_btn">
            <button>
              <i class="fa fa-play" aria-hidden="true"></i>
            </button>
          </div>
          <h1>
            Mico <br>
            <span>
              Hospital
            </span>
          </h1>
        </div>
      </div>
    </div>
  </div>
</div>
```


NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```

        </h1>
        <p>
            when looking at its layout. The point of using Lorem Ipsum is
that it has a more-or-less normal distribution of letters, as opposed to
        </p>
        <a href="">
            Contact Us
        </a>
    </div>
</div>
<div class="col-md-6">
    <div class="img-box">
        
    </div>
</div>
</div>
</div>
<div class="carousel_btn-box">
    <a class="carousel-control-prev" href="#customCarousel1" role="button"
data-slide="prev">
        
        <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-next" href="#customCarousel1" role="button"
data-slide="next">
        
        <span class="sr-only">Next</span>
    </a>
</div>
</div>

</section>
<!-- end slider section -->
</div>

<!-- book section -->

<section class="book_section layout_padding">
    <div class="container">
        <div class="row">
            <div class="col">
                <form action="index.jsp" method="POST">
                    <h4>
                        BOOK <span>APPOINTMENT</span>
                    </h4>
                    <div class="form-row ">
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<div class="form-group col-lg-4">
  <label for="inputPatientName">Patient Name </label>
  <input type="text" class="form-control" id="inputPatientName"
placeholder="" name="pn">
</div>
<div class="form-group col-lg-4">
  <label for="inputDoctorName">Doctor's Name</label>
  <select name="dn" class="form-control wide" id="inputDoctorName">
    <option value="Rachna">Rachna </option>
    <option value="Shreya">Shreya </option>
    <option value="Riya"> Riya </option>
  </select>
</div>
<div class="form-group col-lg-4">
  <label for="inputDepartmentName">Department Name</label>
  <select name="dp" class="form-control wide"
id="inputDepartmentName">
    <option value="cardiology"> cardiology </option>
    <option value="neurology">neurology </option>
    <option value="Orthopaedic"> Orthopaedic </option>
  </select>
</div>
</div>
<div class="form-row ">
  <div class="form-group col-lg-4">
    <label for="inputPhone">Phone Number</label>
    <input type="number" class="form-control" id="inputPhone"
placeholder="XXXXXXXXXX" name="n">
  </div>
  <div class="form-group col-lg-4">
    <label for="inputSymptoms">Symptoms</label>
    <input type="text" class="form-control" id="inputSymptoms"
placeholder="" name="s">
  </div>
</div>
<div class="btn-box">
  <button type="submit" class="btn ">Submit Now</button>
</div>
</form>
</div>
</div>
</div>
</section>

<!-- end book section -->
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<!-- about section -->

<section class="about_section">
  <div class="container ">
    <div class="row">
      <div class="col-md-6 ">
        <div class="img-box">
          
        </div>
      </div>
      <div class="col-md-6">
        <div class="detail-box">
          <div class="heading_container">
            <h2>
              About <span>Hospital</span>
            </h2>
          </div>
          <p>
            has a more-or-less normal distribution of letters, as opposed to
            using 'Content here, content here', making it look like readable English. Many
            desktop publishing packages and web page editors has a more-or-less normal
            distribution of letters, as opposed to using 'Content here, content here', making
            it look like readable English. Many desktop publishing packages and web page
            editors
          </p>
          <a href="">
            Read More
          </a>
        </div>
      </div>
    </div>
  </div>
</section>

<!-- end about section -->

<!-- treatment section -->

<section class="treatment_section layout_padding">
  <div class="side_img">
    
  </div>
  <div class="container">
    <div class="heading_container heading_center">
      <h2>
        Hospital <span>Treatment</span>
      </h2>
    </div>
  </div>
</section>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<div class="row">
  <div class="col-md-6 col-lg-3">
    <div class="box ">
      <div class="img-box">
        
      </div>
      <div class="detail-box">
        <h4>
          Nephrologist Care
        </h4>
        <p>
          alteration in some form, by injected humour, or randomised words
which don't look even slightly e sure there isn't anything
        </p>
        <a href="">
          Read More
        </a>
      </div>
    </div>
  </div>
  <div class="col-md-6 col-lg-3">
    <div class="box ">
      <div class="img-box">
        
      </div>
      <div class="detail-box">
        <h4>
          Eye Care
        </h4>
        <p>
          alteration in some form, by injected humour, or randomised words
which don't look even slightly e sure there isn't anything
        </p>
        <a href="">
          Read More
        </a>
      </div>
    </div>
  </div>
  <div class="col-md-6 col-lg-3">
    <div class="box ">
      <div class="img-box">
        
      </div>
      <div class="detail-box">
        <h4>
          Pediatrician Clinic
        </h4>
        <p>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

alteration in some form, by injected humour, or randomised words
which don't look even slightly e sure there isn't anything

```
</p>
<a href="">
  Read More
</a>
</div>
</div>
</div>
<div class="col-md-6 col-lg-3">
  <div class="box ">
    <div class="img-box">
      
    </div>
    <div class="detail-box">
      <h4>
        Parental Care
      </h4>
      <p>
        alteration in some form, by injected humour, or randomised words
        which don't look even slightly e sure there isn't anything
      </p>
      <a href="">
        Read More
      </a>
    </div>
  </div>
</div>
</div>
</div>
</section>

<!-- end treatment section -->

<!-- team section -->

<section class="team_section layout_padding">
  <div class="container">
    <div class="heading_container heading_center">
      <h2>
        Our <span>Doctors</span>
      </h2>
    </div>
    <div class="carousel-wrap ">
      <div class="owl-carousel team_carousel">
        <div class="item">
          <div class="box">
            <div class="img-box">
              
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</section>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
</div>
<div class="detail-box">
  <h5>
    Hennry
  </h5>
  <h6>
    MBBS
  </h6>
  <div class="social_box">
    <a href="">
      <i class="fa fa-facebook" aria-hidden="true"></i>
    </a>
    <a href="">
      <i class="fa fa-twitter" aria-hidden="true"></i>
    </a>
    <a href="">
      <i class="fa fa-linkedin" aria-hidden="true"></i>
    </a>
    <a href="">
      <i class="fa fa-instagram" aria-hidden="true"></i>
    </a>
  </div>
</div>
</div>
<div class="item">
  <div class="box">
    <div class="img-box">
      
    </div>
    <div class="detail-box">
      <h5>
        Jenni
      </h5>
      <h6>
        MBBS
      </h6>
      <div class="social_box">
        <a href="">
          <i class="fa fa-facebook" aria-hidden="true"></i>
        </a>
        <a href="">
          <i class="fa fa-twitter" aria-hidden="true"></i>
        </a>
        <a href="">
          <i class="fa fa-linkedin" aria-hidden="true"></i>
        </a>
        <a href="">
          <i class="fa fa-instagram" aria-hidden="true"></i>
        </a>
      </div>
    </div>
  </div>
</div>
```

Next Generation Databases

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
</div>
</div>
<div class="container px-0">
  <div id="customCarousel2" class="carousel carousel-fade" data-ride="carousel">
    <div class="carousel-inner">
      <div class="carousel-item active">
        <div class="box">
          <div class="client_info">
            <div class="client_name">
              <h5>
                Morijorch
              </h5>
              <h6>
                Default model text
              </h6>
            </div>
            <i class="fa fa-quote-left" aria-hidden="true"></i>
          </div>
          <p>
            editors now use Lorem Ipsum as their default model text, and a
            search for 'lorem ipsum' will uncover many web sites still in their infancy.
            Variouseitors now use Lorem Ipsum as their default model text, and a search for
            'lorem ipsum' will uncover many web sites still in their infancy. Variouseitors
            now use Lorem Ipsum as their default model text, and a search for 'lorem ipsum'
            will uncover many web sites still in their infancy. Various
          </p>
        </div>
      </div>
    </div>
    <div class="carousel-item">
      <div class="box">
        <div class="client_info">
          <div class="client_name">
            <h5>
              Rochak
            </h5>
            <h6>
              Default model text
            </h6>
          </div>
          <i class="fa fa-quote-left" aria-hidden="true"></i>
        </div>
        <p>
          Variouseitors now use Lorem Ipsum as their default model text, and
          a search for 'lorem ipsum' will uncover many web sites still in their infancy.
          Variouseitors now use Lorem Ipsum as their default model text, and a search for
          'lorem ipsum' will uncover many web sites still in their infancy. editors now use
          Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will
          uncover many web sites still in their infancy.
        </p>
      </div>
    </div>
  </div>
</div>
```


NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
        </p>
      </div>
    </div>
    <div class="carousel-item">
      <div class="box">
        <div class="client_info">
          <div class="client_name">
            <h5>
              Brad Johns
            </h5>
            <h6>
              Default model text
            </h6>
          </div>
          <i class="fa fa-quote-left" aria-hidden="true"></i>
        </div>
        <p>
          Variouseitors now use Lorem Ipsum as their default model text, and
a search for 'lorem ipsum' will uncover many web sites still in their infancy,
editors now use Lorem Ipsum as their default model text, and a search for 'lorem
ipsum' will uncover many web sites still in their infancy. Variouseitors now use
Lorem Ipsum as their default model text, and a search for 'lorem ipsum' will
uncover many web sites still in their infancy. Various
        </p>
      </div>
    </div>
  </div>
  <div class="carousel_btn-box">
    <a class="carousel-control-prev" href="#customCarousel2" role="button"
data-slide="prev">
      <i class="fa fa-angle-left" aria-hidden="true"></i>
      <span class="sr-only">Previous</span>
    </a>
    <a class="carousel-control-next" href="#customCarousel2" role="button"
data-slide="next">
      <i class="fa fa-angle-right" aria-hidden="true"></i>
      <span class="sr-only">Next</span>
    </a>
  </div>
</div>
</section>
<!-- end client section -->

<!-- contact section -->
<section class="contact_section layout_padding-bottom">
  <div class="container">
    <div class="heading_container">
      <h2>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
        Get In Touch
    </h2>
</div>
<div class="row">
    <div class="col-md-7">
        <div class="form_container">
            <form action="">
                <div>
                    <input type="text" placeholder="Full Name" />
                </div>
                <div>
                    <input type="email" placeholder="Email" />
                </div>
                <div>
                    <input type="text" placeholder="Phone Number" />
                </div>
                <div>
                    <input type="text" class="message-box" placeholder="Message" />
                </div>
                <div class="btn_box">
                    <button>
                        SEND
                    </button>
                </div>
            </form>
        </div>
    </div>
    <div class="col-md-5">
        <div class="img-box">
            
        </div>
    </div>
</div>
</section>
<!-- end contact section -->

<!-- info section -->
<section class="info_section ">
    <div class="container">
        <div class="info_top">
            <div class="info_logo">
                <a href="">
                    
                </a>
            </div>
            <div class="info_form">
                <form action="">
                    <input type="email" placeholder="Your email">
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<button>
  Subscribe
</button>
</form>
</div>
</div>
<div class="info_bottom layout_padding2">
  <div class="row info_main_row">
    <div class="col-md-6 col-lg-3">
      <h5>
        Address
      </h5>
      <div class="info_contact">
        <a href="">
          <i class="fa fa-map-marker" aria-hidden="true"></i>
          <span>
            Location
          </span>
        </a>
        <a href="">
          <i class="fa fa-phone" aria-hidden="true"></i>
          <span>
            Call +01 1234567890
          </span>
        </a>
        <a href="">
          <i class="fa fa-envelope"></i>
          <span>
            demo@gmail.com
          </span>
        </a>
      </div>
      <div class="social_box">
        <a href="">
          <i class="fa fa-facebook" aria-hidden="true"></i>
        </a>
        <a href="">
          <i class="fa fa-twitter" aria-hidden="true"></i>
        </a>
        <a href="">
          <i class="fa fa-linkedin" aria-hidden="true"></i>
        </a>
        <a href="">
          <i class="fa fa-instagram" aria-hidden="true"></i>
        </a>
      </div>
    </div>
    <div class="col-md-6 col-lg-3">
      <div class="info_links">
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<h5>
    Useful link
</h5>
<div class="info_links_menu">
    <a class="active" href="index.html">
        Home
    </a>
    <a href="about.html">
        About
    </a>
    <a href="treatment.html">
        Treatment
    </a>
    <a href="doctor.html">
        Doctors
    </a>
    <a href="testimonial.html">
        Testimonial
    </a>
    <a href="contact.html">
        Contact us
    </a>
</div>
</div>
<div class="col-md-6 col-lg-3">
    <div class="info_post">
        <h5>
            LATEST POSTS
        </h5>
        <div class="post_box">
            <div class="img-box">
                
            </div>
            <p>
                Normal
                distribution
            </p>
        </div>
        <div class="post_box">
            <div class="img-box">
                
            </div>
            <p>
                Normal
                distribution
            </p>
        </div>
    </div>
</div>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
</div>
<div class="col-md-6 col-lg-3">
  <div class="info_post">
    <h5>
      News
    </h5>
    <div class="post_box">
      <div class="img-box">
        
      </div>
      <p>
        Normal
        distribution
      </p>
    </div>
    <div class="post_box">
      <div class="img-box">
        
      </div>
      <p>
        Normal
        distribution
      </p>
    </div>
  </div>
</div>
</div>
</div>
</section>
<!-- end info_section -->

<!-- footer section -->
<footer class="footer_section">
  <div class="container">
    <p>
      &copy; <span id="displayYear"></span> All Rights Reserved By
      <a href="https://html.design/">Free Html Templates</a>
    </p>
  </div>
</footer>
<!-- footer section -->

<!-- jquery -->
<script src="js/jquery-3.4.1.min.js"></script>
<!-- bootstrap js -->
<script src="js/bootstrap.js"></script>
<!-- nice select -->
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-nice-select/1.1.0/js/jquery.nice-select.min.js" integrity="sha256-Zr3vByTlMGQhvmfgkQ5BtWRSKBGa2QlspKYJnkjZTmo=" crossorigin="anonymous"></script>
<!-- owl slider -->
<script
src="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/owl.carousel.min.js"
></script>
<!-- datepicker -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-datepicker/1.3.0/js/bootstrap-datepicker.js"></script>
<!-- custom js -->
<script src="js/custom.js"></script>

</body>
</html>
```

Index.jsp(Bookappointment)

-

```
%><%@page import="com.mongodb.client.MongoDatabase"%>
```

```
<%@page import="org.bson.Document"%>
```

```
<%@page import="com.mongodb.client.MongoCollection"%>
```

```
<%@page import="com.mongodb.MongoClient"%>
```

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
```

```
<%
```

```
String pname=request.getParameter("pn");
```

```
String dname=request.getParameter("dn");
```

```
String departname=request.getParameter("dp");
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
String phone=request.getParameter("n");
```

```
String sym=request.getParameter("s");
```

```
MongoClient mongo= new MongoClient("localhost" , 27017);
```

```
MongoDatabase database = mongo.getDatabase("hospital");
```

```
MongoCollection<Document> collection =  
database.getCollection("index");
```

```
Document document = new Document  
("inputPatientName",pname).append("inputDoctorName",dname  
) .append("inputDepartmentName",departname).append("inputP  
hone",phone).append("inputSymptoms",sym);
```

```
collection.insertOne(document);
```

```
out.println("REPORT SUBMITTED SUCESSFULLY");
```

```
mongo.close();
```

```
%>
```

BOOK APPOINTMENT

Patient Name

Geeta

Doctor's Name

Shreya

Department Name

cardiology

Phone Number

234576854

Symptoms

fever

SUBMIT NOW

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
_id: ObjectId('651a66060d3672058e3a691f')
inputPatientName: "geeta"
inputDoctorName: "Shreya"
inputDepartmentName: "cardiology"
inputPhone: "234567"
inputSymptoms: "fever"
```

```
_id: ObjectId('650f06900d3672108cea7168')
inputPatientName: "rahul"
inputDoctorName: "Shreya"
inputDepartmentName: "cardiology"
inputPhone: "874528392"
inputSymptoms: "fever"
```

Contact us.html

```
<!DOCTYPE html>
<html>

<head>
  <!-- Basic -->
  <meta charset="utf-8" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <!-- Mobile Metas -->
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no" />
  <!-- Site Metas -->
  <meta name="keywords" content="" />
  <meta name="description" content="" />
  <meta name="author" content="" />

  <title>Mico</title>

  <!-- bootstrap core css -->
  <link rel="stylesheet" type="text/css" href="css/bootstrap.css" />
```


NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<!-- fonts style -->
<link
href="https://fonts.googleapis.com/css2?family=Roboto:wght@400;500;700;900&display=
swap" rel="stylesheet">

<!--owl slider stylesheet -->
<link rel="stylesheet" type="text/css"
href="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/assets/owl.carousel
.min.css" />

<!-- font awesome style -->
<link href="css/font-awesome.min.css" rel="stylesheet" />
<!-- nice select -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/jquery-nice-
select/1.1.0/css/nice-select.min.css" integrity="sha256-
mLBIhmBvigTFWPSCtvd6a76T+3Xyt+K571hupeFLg4=" crossorigin="anonymous" />
<!-- datepicker -->
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-
datepicker/1.3.0/css/datepicker.css">
<!-- Custom styles for this template -->
<link href="css/style.css" rel="stylesheet" />
<!-- responsive style -->
<link href="css/responsive.css" rel="stylesheet" />

</head>

<body class="sub_page">

<div class="hero_area">
<!-- header section strats -->
<header class="header_section">
<div class="header_top">
<div class="container">
<div class="contact_nav">
<a href="">
<i class="fa fa-phone" aria-hidden="true"></i>
<span>
Call : +01 123455678990
</span>
</a>
<a href="">
<i class="fa fa-envelope" aria-hidden="true"></i>
<span>
Email : demo@gmail.com
</span>
</a>
<a href="">
<i class="fa fa-map-marker" aria-hidden="true"></i>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
        <span>
            Location
        </span>
    </a>
</div>
</div>
</div>
<div class="header_bottom">
    <div class="container-fluid">
        <nav class="navbar navbar-expand-lg custom_nav-container ">
            <a class="navbar-brand" href="index.html">
                
            </a>
            <a>

                <button class="navbar-toggler" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
                    <span class=""> </span>
                </button>

                <div class="collapse navbar-collapse" id="navbarSupportedContent">
                    <div class="d-flex mr-auto flex-column flex-lg-row align-items-
center">
                        <ul class="navbar-nav ">
                            <li class="nav-item ">
                                <a class="nav-link" href="index.html">Home <span class="sr-
only">(current)</span></a>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link" href="about.html"> About</a>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link" href="treatment.html">Treatment</a>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link" href="doctor.html">Doctors</a>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link" href="testimonial.html">Testimonial</a>
                            </li>
                            <li class="nav-item active">
                                <a class="nav-link" href="contact.html">Contact Us</a>
                            </li>
                        </ul>
                    </div>
                    <div class="quote_btn-container">
                        <a href="">
                            <i class="fa fa-user" aria-hidden="true"></i>

```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
        <span>
            Login
        </span>
    </a>
    <a href="">
        <i class="fa fa-user" aria-hidden="true"></i>
        <span>
            Sign Up
        </span>
    </a>
    <form class="form-inline">
        <button class="btn my-2 my-sm-0 nav_search-btn" type="submit">
            <i class="fa fa-search" aria-hidden="true"></i>
        </button>
    </form>
</div>
</div>
</nav>
</div>
</div>
</header>
<!-- end header section -->
</div>

<!-- contact section -->
<section class="contact_section layout_padding-bottom">
    <div class="container">
        <div class="heading_container">
            <h2>
                Get In Touch
            </h2>
        </div>
        <div class="row">
            <div class="col-md-7">
                <div class="form_container">
                    <form action="hosp.jsp" method="POST">
                        <div>
                            <input type="text" placeholder="Full Name" name="n" />
                        </div>
                        <div>
                            <input type="email" placeholder="Email" name="e" />
                        </div>
                        <div>
                            <input type="text" placeholder="Phone Number" name="pn" />
                        </div>
                        <div>
                            <input type="text" class="message-box" placeholder="Message"
name="m" />
                        </div>
                    </form>
                </div>
            </div>
        </div>
    </div>
</section>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
        </div>
        <div class="btn_box">
            <button>
                SEND
            </button>
        </div>
    </form>
</div>
</div>
<div class="col-md-5">
    <div class="img-box">
        
    </div>
</div>
</div>
</div>
</section>
<!-- end contact section -->

<!-- info section -->
<section class="info_section ">
    <div class="container">
        <div class="info_top">
            <div class="info_logo">
                <a href="">
                    
                </a>
            </div>
            <div class="info_form">
                <form action="">
                    <input type="email" placeholder="Your email">
                    <button>
                        Subscribe
                    </button>
                </form>
            </div>
</div>
<div class="info_bottom layout_padding2">
    <div class="row info_main_row">
        <div class="col-md-6 col-lg-3">
            <h5>
                Address
            </h5>
            <div class="info_contact">
                <a href="">
                    <i class="fa fa-map-marker" aria-hidden="true"></i>
                    <span>
                        Location
                    </span>
                </a>
            </div>
        </div>
    </div>
</div>
</div>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
</a>
<a href="">
  <i class="fa fa-phone" aria-hidden="true"></i>
  <span>
    Call +01 1234567890
  </span>
</a>
<a href="">
  <i class="fa fa-envelope"></i>
  <span>
    demo@gmail.com
  </span>
</a>
</div>
<div class="social_box">
  <a href="">
    <i class="fa fa-facebook" aria-hidden="true"></i>
  </a>
  <a href="">
    <i class="fa fa-twitter" aria-hidden="true"></i>
  </a>
  <a href="">
    <i class="fa fa-linkedin" aria-hidden="true"></i>
  </a>
  <a href="">
    <i class="fa fa-instagram" aria-hidden="true"></i>
  </a>
</div>
</div>
<div class="col-md-6 col-lg-3">
  <div class="info_links">
    <h5>
      Useful link
    </h5>
    <div class="info_links_menu">
      <a href="index.html">
        Home
      </a>
      <a href="about.html">
        About
      </a>
      <a href="treatment.html">
        Treatment
      </a>
      <a href="doctor.html">
        Doctors
      </a>
      <a href="testimonial.html">
        Testimonial
      </a>
    </div>
  </div>
</div>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
        </a>
        <a class="active" href="contact.html">
            Contact us
        </a>
    </div>
</div>
<div class="col-md-6 col-lg-3">
    <div class="info_post">
        <h5>
            LATEST POSTS
        </h5>
        <div class="post_box">
            <div class="img-box">
                
            </div>
            <p>
                Normal
                distribution
            </p>
        </div>
        <div class="post_box">
            <div class="img-box">
                
            </div>
            <p>
                Normal
                distribution
            </p>
        </div>
    </div>
</div>
<div class="col-md-6 col-lg-3">
    <div class="info_post">
        <h5>
            News
        </h5>
        <div class="post_box">
            <div class="img-box">
                
            </div>
            <p>
                Normal
                distribution
            </p>
        </div>
        <div class="post_box">
            <div class="img-box">
                
            </div>
            <p>
                Normal
                distribution
            </p>
        </div>
    </div>
</div>
```

```
</div>
    <p>
        Normal
        distribution
    </p>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</section>
<!-- end info_section -->

<!-- footer section -->
<footer class="footer_section">
    <div class="container">
        <p>
            &copy; <span id="displayYear"></span> All Rights Reserved By
            <a href="https://html.design/">Free Html Templates</a>
        </p>
    </div>
</footer>
<!-- footer section -->

<!-- jQuery -->
<script src="js/jquery-3.4.1.min.js"></script>
<!-- bootstrap js -->
<script src="js/bootstrap.js"></script>
<!-- nice select -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-nice-select/1.1.0/js/jquery.nice-select.min.js" integrity="sha256-Zr3vByTlMGQhvMfgkQ5BtWRSKGBa2QlspKYJnkjZTmo=" crossorigin="anonymous"></script>
<!-- owl slider -->
<script
src="https://cdnjs.cloudflare.com/ajax/libs/OwlCarousel2/2.3.4/owl.carousel.min.js"
></script>
<!-- datepicker -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-datepicker/1.3.0/js/bootstrap-datepicker.js"></script>
<!-- custom js -->
<script src="js/custom.js"></script>

</body>

</html>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

Contact us. Jsp

<%--

Document : hosp

Created on : 23 Sep, 2023, 11:16:51 AM

Author : macbookpro

--%><%@page import="com.mongodb.client.MongoDatabase"%>

<%@page import="org.bson.Document"%>

<%@page import="com.mongodb.client.MongoCollection"%>

<%@page import="com.mongodb.MongoClient"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%

String n=request.getParameter("n");

String e=request.getParameter("e");

String pn=request.getParameter("pn");

String m=request.getParameter("m");

MongoClient mongo= new MongoClient("localhost" , 27017);

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
MongoDatabase database = mongo.getDatabase("hospital");
```

```
MongoCollection<Document> collection =  
database.getCollection("contactus");
```


```
Document document = new Document ("Full  
Name",n).append("Email",e).append("Phone  
Number",pn).append("Message",m);
```

```
collection.insertOne(document);
```

```
out.println("THANKS FOR YOUR MESSAGE");
```

```
mongo.close();
```

```
%>
```




Mico

HOMEABOUTTREATMENTDOCTORSTESTIMONIALCONTACT USLOGINSIGN UPQ

GET IN TOUCH

SEND



NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

	<code>_id: ObjectId('650ec77d0d367203ee967b57')</code> <code>Full Name: "rachna"</code> <code>Email: "rachna@gmail.com"</code> <code>Phone Number: "828282334"</code> <code>Message: "hi"</code>
	<code>_id: ObjectId('651a65db0d3672058e3a691a')</code> <code>Full Name: "geeta bhattacharjee"</code> <code>Email: "geeta@gmail.com"</code> <code>Phone Number: "09930459001"</code> <code>Message: "good"</code>
	<code>_id: ObjectId('651a67270d3672058e3a6922')</code> <code>Full Name: "shreya bhattacharjee"</code> <code>Email: "shreya@gmail.com"</code> <code>Phone Number: "2345678544"</code> <code>Message: "good service"</code>

Signup.html

```
<!DOCTYPE html>
<!--
To change this license header, choose License Headers in Project Properties.
To change this template file, choose Tools | Templates
and open the template in the editor.
-->
<!DOCTYPE html>
<!-- Created By CodingLab - www.codinglabweb.com -->
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Form | CodingLab</title>
    <link rel="stylesheet" href="signup.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.2/dist/css/bootstrap.min.css">
  </head>
  <body>
    <div class="container">
      <div class="wrapper">
        <div class="title"><span>sign up</span></div>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
<form action="signup.jsp" method="POST">
  <div class="row">
    <i class="fas fa-user"></i>
    <input type="text" placeholder="Name" name="nm" required>
  </div>
  <div class="row">
    <i class="fas fa-user"></i>
    <input type="text" placeholder="email" name="el" required>
  </div>
  <div class="row">
    <i class="fas fa-lock"></i>
    <input type="password" placeholder="password" name="ps" required>
  </div>

  <div class="row button">
    <input type="submit" value="Login">
  </div>

</form>
</div>
</div>

</body>
</html>
```

Signup.jsp

```
<%@page import="com.mongodb.client.MongoDatabase"%>
```

```
<%@page import="org.bson.Document"%>
```

```
<%@page import="com.mongodb.client.MongoCollection"%>
```

```
<%@page import="com.mongodb.MongoClient"%>
```

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

<%

```
String name=request.getParameter("nm");
```

```
String email=request.getParameter("el");
```

```
String pass=request.getParameter("ps");
```

```
MongoClient mongo= new MongoClient("localhost" , 27017);
```

```
MongoDatabase database = mongo.getDatabase("hospital");
```

```
MongoCollection<Document> collection =  
database.getCollection("login");
```

```
Document document = new Document  
("Name",name).append("email",email).append("password",pass);
```

```
collection.insertOne(document);
```

```
out.println("Signup done sucessful");
```

```
response.sendRedirect("login.html");
```

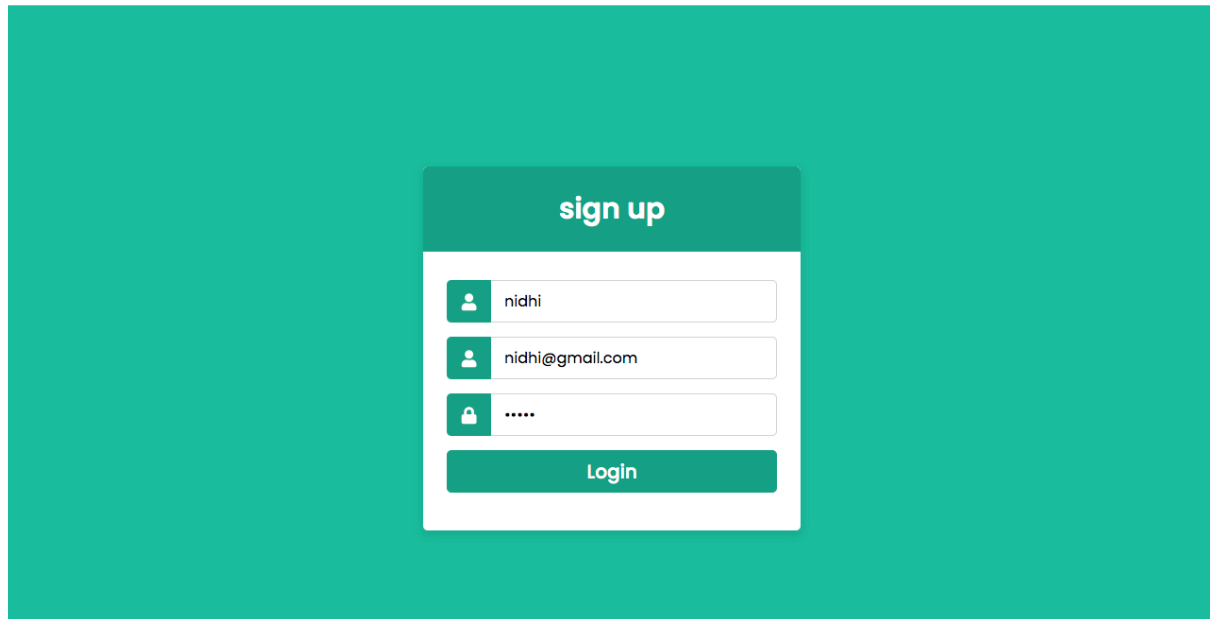
```
mongo.close();
```

%>

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases



```
_id: ObjectId('651a67f70d3672058e3a6924')
Name: "nidhi"
email: "nidhi@gmail.com"
password: "nidhi"
```

```
▶ _id: ObjectId('650ec7a00d367203ee967b59')
Email or Phone: "rachna@gmail.com"
Password: "rachna"
```

```
_id: ObjectId('650ece410d3672040a5d8df3')
Name: "diya"
email: "diya@gmail.com"
password: "diya"
confirmpassword: "diya"
```

```
_id: ObjectId('650ecf570d3672040a5d8df5')
Email or Phone: "diya@gmail.com"
Password: "diya"
```

```
_id: ObjectId('650ecf7b0d3672040a5d8df7')
Email or Phone: "abc@gmail.com"
Password: "abc"
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

Login.html

```
<!DOCTYPE html>
<!--
To change this license header, choose License Headers in Project Properties.
To change this template file, choose Tools | Templates
and open the template in the editor.
-->
<!DOCTYPE html>
<!-- Created By CodingLab - www.codinglabweb.com -->
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login Form | CodingLab</title>
    <link rel="stylesheet" href="login.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css"/>
  </head>
  <body>
    <div class="container">
      <div class="wrapper">
        <div class="title"><span>Login Form</span></div>
        <form action="login.jsp" method="POST">
          <div class="row">
            <i class="fas fa-user"></i>
            <input type="text" placeholder="Username" name="un" required>
          </div>
          <div class="row">
            <i class="fas fa-lock"></i>
            <input type="password" placeholder="Password" name="pass" required>
          </div>
          <div class="pass"><a href="#">Forgot password?</a></div>
          <div class="row button">
            <input type="submit" value="Login">
          </div>
          <div class="signup-link">Not a member? <a href="#">Signup now</a></div>
        </form>
      </div>
    </div>

  </body>
</html>
```

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

Login.jsp

<%--

Document : index

Created on : 23 Sep, 2023, 12:17:43 PM

Author : macbookpro

--%><%@page import="com.mongodb.client.MongoDatabase"%>

<%@page import="org.bson.Document"%>

<%@page import="com.mongodb.client.MongoCollection"%>

<%@page import="com.mongodb.MongoClient"%>

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%

String name=request.getParameter("un");

String password=request.getParameter("pass");

NAME: SHREYA BHATTACHARJEE

ROLL NO:3108

Next Generation Databases

```
MongoClient mongo= new MongoClient("localhost" , 27017);
```

```
MongoDatabase database = mongo.getDatabase("hospital");
```

```
MongoCollection<Document> collection =  
database.getCollection("login");
```

```
Document login = collection.find(new Document("Name",  
name)).first();
```

```
mongo.close();
```

```
if (login != null && password != null &&  
password.equals(login.getString("password"))) {
```

```
    response.sendRedirect("index.html");
```

```
}
```

```
else{
```

```
    response.sendRedirect("login_loginError.jsp?error=1"); //  
Redirect with error parameter
```

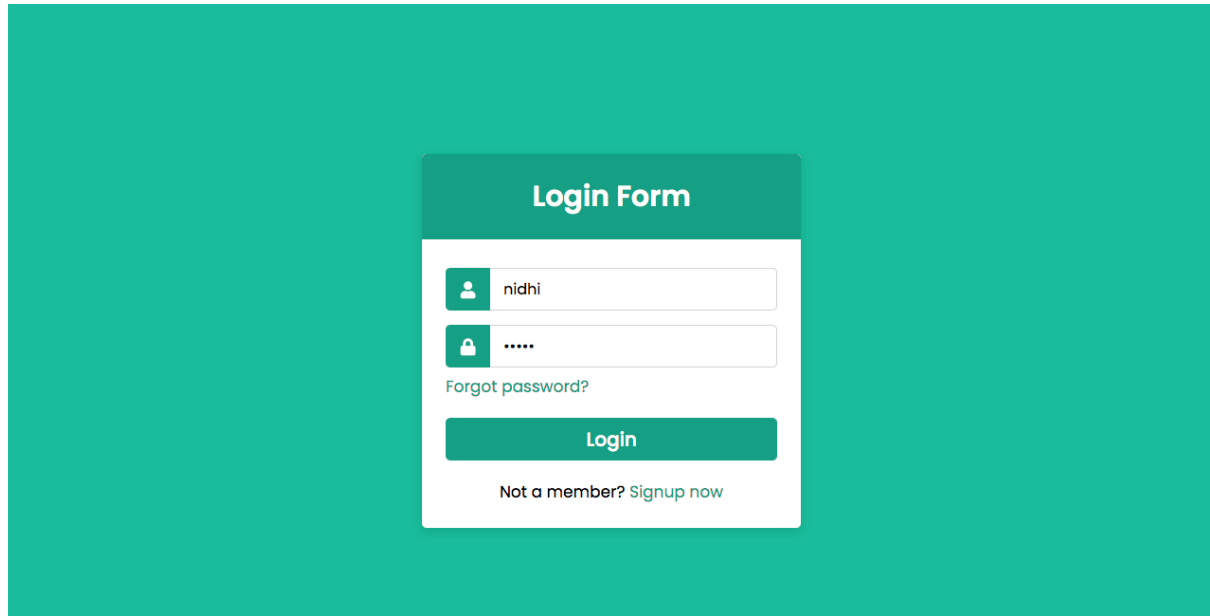
```
}
```


NAME: SHREYA BHATTACHARJEE

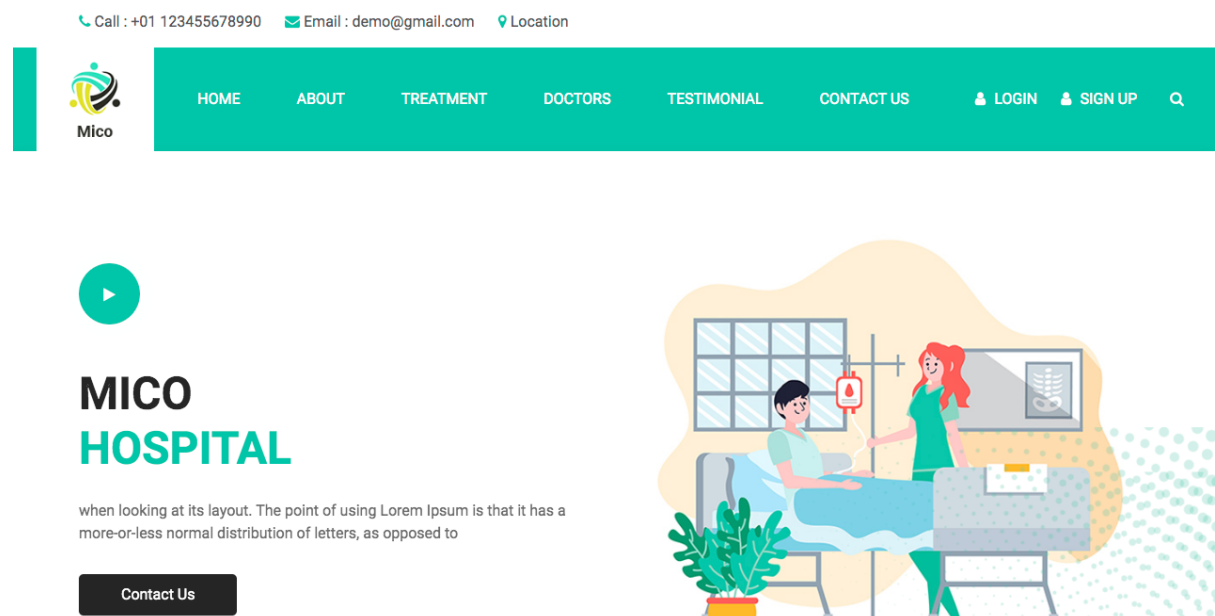
ROLL NO:3108

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%>

A login form UI mockup centered on a teal background. The form is white with a teal header bar containing the text "Login Form". It features two input fields: the first with a user icon and the text "nidhi", and the second with a lock icon and masked characters ".....". Below the password field is a link "Forgot password?". A teal "Login" button is positioned below the links. At the bottom of the form, it says "Not a member? Signup now".

If Username and password is right it will redirect to this page



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has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English. Many desktop publishing packages and web page editors

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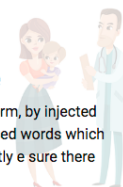
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alteration in some form, by injected humour, or randomised words which don't look even slightly e sure there isn't anything

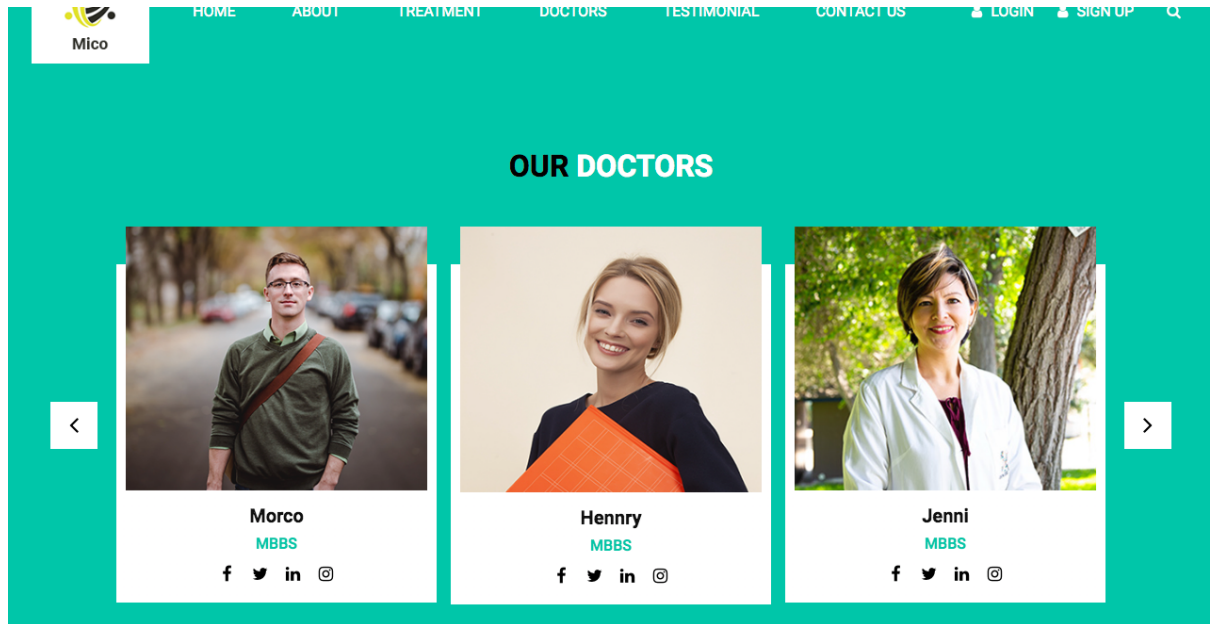
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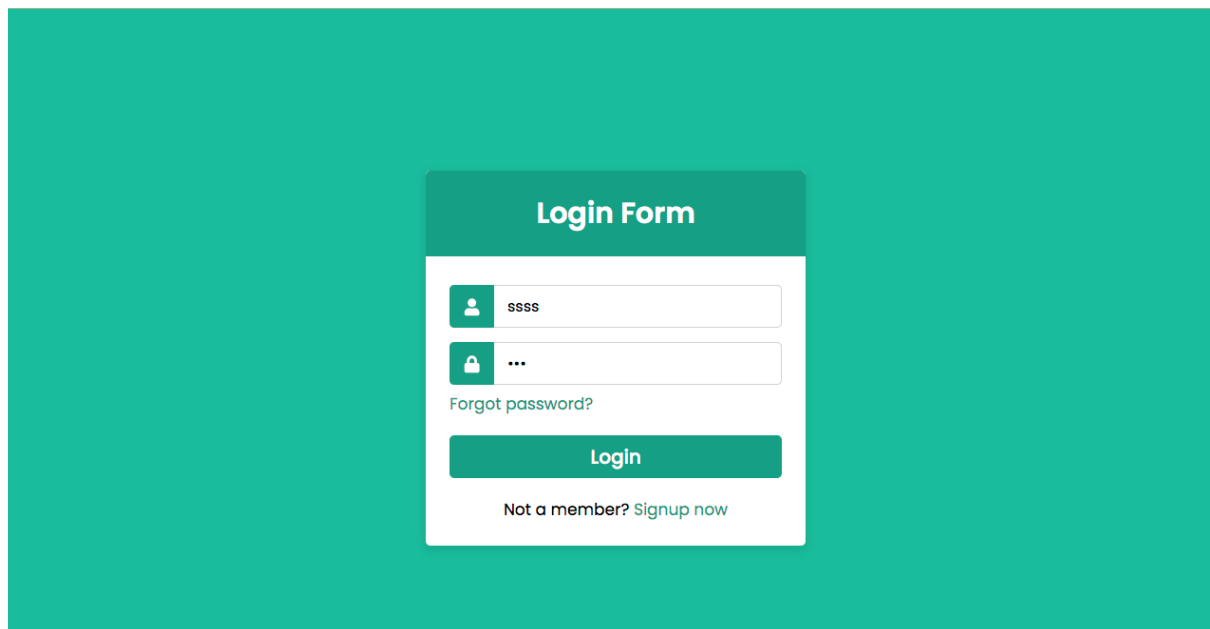
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If login and password is wrong



NAME: SHREYA BHATTACHARJEE

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HTTP Status 404 - Not Found	
type	Status report
message	Not Found
description	The requested resource is not available.
GlassFish Server Open Source Edition 4.1.1	