FSD Assignment-II

Team No:6

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FarmUp: Sow, Reap, Repeat

Problem Statement:

FarmUp is your go-to platform for precision agriculture. Input your current crop conditions, soil health, and climate data, and receive personalized recommendations for the next season's crops. Key Features: custom Recommendations: Tailored suggestions based on your farm's specifics. Crop Rotation Optimization: Identify the best crops to rotate for soil health and yield.

Seasonal Forecasting: Stay ahead with weather and market insights. Risk Management: Diversify crops and minimize losses. User-Friendly: Simple interface for all experience levels. Join FarmUp and transform your crop planning today.

Source Code

index.html

```
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="with=devoce-width, initial-scale=1.0">
  <title>FarmUp</title>
  <link rel="stylesheet" href="./style.css">
  k rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
k
href="https://fonts.googleapis.com/css2?family=Caveat&family=Poppins:ital,wght@0,100;0,300;0,6
00;1,700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-</pre>
free@6.4.2/css/fontawesome.min.css">
<style>
footer {
  background-color:black;
  color: white;
  text-align: center;
  padding: 10px;
  position: fixed;
  bottom: 0;
  width: 100%;
}
</style>
</head>
  <body>
    <section class="header">
       <nav>
        <img src="images/flogo.png" width="50px">
        <div class="nav-links" id="navLinks">
          <i class="fa fa-times" onclick="hideMenu()"></i>
            <a href="login.html">LOGIN</a>
          </div>
        <i class="fa fa-bars" onclick="showMenu()"></i>
       </nav>
       <div class="text-box">
        <h1>FarmUp</h1>
       </div>
    </section>
    <section class="Ach">
      <h1 style="font-size:7vw">What is FarmUp??</h1>
      <div class="pp">
      <h3>Welcome to FarmUp: Revolutionizing Crop Planning</h3>
```

FarmUp is your go-to platform for precision agriculture. Input your current crop conditions, soil health, and climate data, and receive personalized recommendations for the next season's crops.

```
Key Features:
Custom Recommendations: Tailored suggestions based on your farm's specifics.
Crop Rotation Optimization: Identify the best crops to rotate for soil health and yield.
Seasonal Forecasting: Stay ahead with weather and market insights.
Risk Management: Diversify crops and minimize losses.
User-Friendly: Simple interface for all experience levels.
Join FarmUp and transform your crop planning today.
</div>
    </section>
  <script>
    var navLinks = document.getElementById("navLinks");
    function showMenu(){
      navLinks.style.right="0";
    function hideMenu(){
      navLinks.style.right="-200px";
  </script>
<footer>
    © 2024 FarmUp. All rights reserved.
  </footer>
  </body>
</html
home.html
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="with=devoce-width, initial-scale=1.0">
  <title>FarmUp</title>
  <link rel="stylesheet" href="./style.css">
  k rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
k
href="https://fonts.googleapis.com/css2?family=Caveat&family=Poppins:ital,wght@0,100;0,300;0,6
00;1,700&display=swap" rel="stylesheet">
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-</pre>
free@6.4.2/css/fontawesome.min.css">
```

```
<style>
footer {
  background-color:black;
  color: white;
  text-align: center;
  padding: 10px;
  position: fixed;
  bottom: 0;
  width: 100%;
}
.header {
      position: relative;
    }
.login-btn {
      position: absolute;
      top: 20px;
      right: 11px;
      cursor: pointer;
}
.login-btn:hover {
      transform: scale(1.1);
      filter: brightness(1.2);
    }
</style>
</head>
```

```
<section class="header">
       <nav>
        <a href="index.html"><img src="images/flogo.png", width="75px"></a>
        <div class="nav-links" id="navLinks">
          <i class="fa fa-times" onclick="hideMenu()"></i>
          <a href="home.html">HOME</a>
            <a href="#down">ABOUT</a>
            <a href="./contact.html">CONTACT US</a>
                      <img class="login-btn" src="./images/prof.png" style="width: 50px; height:</pre>
50px;" onclick="openNav()">
                      <div id="mySidenav" class="sidenav">
                       <a href="javascript:void(0)" class="closebtn"
onclick="closeNav()">×</a>
                    <a href="#">profile</a>
                       <a href="./contact.html">contact us</a>
                      <a href="index.html" style="color: red">logout</a>
                      </div>
<div id="main">
</div>
<script>
  function openNav() {
    document.getElementById("mySidenav").style.width = "250px";
    document.getElementById("main").style.marginLeft = "250px";
```

<body>

```
}
  function closeNav() {
    document.getElementById("mySidenav").style.width = "0";
    document.getElementById("main").style.marginLeft = "0";
  }
</script>
          </div>
        <i class="fa fa-bars" onclick="showMenu()"></i>
       </nav>
       <div class="text-box">
        <h1>FarmUp</h1>
        <a href="cropdetails.html" class="hero-btn" target="_blank">Predict Your Crop</a>
       </div>
    </section>
    <section id="down" class="Ach">
      <h1 style="font-size:7vw">What is FarmUp??</h1>
      <div class="pp">
      <h3>Welcome to FarmUp: Revolutionizing Crop Planning</h3>
```

FarmUp is your go-to platform for precision agriculture. Input your current crop conditions, soil health, and climate data, and receive personalized recommendations for the next season's crops.

```
Key Features:
```

Custom Recommendations: Tailored suggestions based on your farm's specifics.

```
Crop Rotation Optimization: Identify the best crops to rotate for soil health and yield.
Seasonal Forecasting: Stay ahead with weather and market insights.
Risk Management: Diversify crops and minimize losses.
User-Friendly: Simple interface for all experience levels.
Join FarmUp and transform your crop planning today.
      </div>
    </section>
    <script>
    var navLinks = document.getElementById("navLinks");
    function showMenu(){
      navLinks.style.right="0";
    }
    function hideMenu(){
      navLinks.style.right="-200px";
    }
  </script>
<footer>
   © 2024 FarmUp. All rights reserved.
  </footer>
  </body>
</html>
login.html
<!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">
  <link rel="stylesheet" href="styles.css">
  k href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
  <title>Login Page</title>
</head>
<body style="background-image: url('./images/real-lens-flare-shot-black-background_279525-
22869.avif' );background-repeat: no-repeat;background-attachment: fixed;background-size: cover;">
<div class="box">
  <div class="container">
    <div class="top-header">
      <header>Login</header>
    </div>
    <!-- Added a form with an ID for JavaScript interaction -->
    <form id="loginForm">
      <div class="input-field">
        <input type="text" class="input" placeholder="Username" required>
        <i class="bx bx-user"></i>
      </div>
      <div class="input-field">
        <input type="password" class="input" placeholder="Password" required>
        <i class="bx bx-lock-alt"></i>
      </div>
      <div class="input-field">
        <input type="button" class="submit" value="Login" onclick="validateLogin()">
      </div>
    </form>
    <div class="bottom">
      <div class="left">
        <input type="checkbox" id="check">
        <label for="check"> Remember Me</label>
      </div>
      <div class="right">
        <label><a href="#">Forgot password?</a></label>
      </div>
    </div>
    <label style="color:whitesmoke;"><a href="./signup.html"><font color="cyan">Don't have an
account?</font></a></label>
  </div>
</div>
<script>
  function validateLogin() {
    window.location.href = "./home.html";
</script>
<footer>
```

```
© 2024 FarmUp. All rights reserved.
  </footer>
</body>
</html>
signup.html
<!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">
  <link rel="stylesheet" href="styles.css">
  k href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
  <title>Sign Up</title>
</head>
<body style="background-image: url('./images/real-lens-flare-shot-black-background_279525-
22869.avif'); background-repeat: no-repeat; background-attachment: fixed; background-size: cover;
margin: 0; font-family: Arial, sans-serif;">
  <div class="box">
    <div class="container">
      <div class="top-header">
        <header>SIGN UP</header>
      </div>
          <div class="input-field">
        <input type="text" class="input" placeholder="FIRSTNAME" required>
        <i class="bx bx-user"></i>
      </div>
          <div class="input-field">
        <input type="text" class="input" placeholder="LASTNAME" required>
        <i class="bx bx-user"></i>
      </div>
          <div class="input-field">
        <input type="text" class="input" placeholder="MOBILE NUMBER" size="10" required>
        <i class="bx bx-user"></i>
      </div>
      <div class="input-field">
        <input type="text" class="input" placeholder="EMAIL" required>
        <i class="bx bx-user"></i>
      </div>
      <div class="input-field">
        <input type="password" class="input" placeholder="PASSWORD" required>
        <i class="bx bx-lock-alt"></i>
      </div>
      <div class="input-field">
        <a href='./login.html'>
```

```
<input type="button" class="submit" value="Register" onclick="validateLogin()">
        </a>
      </div>
      <div class="bottom">
        <div class="left">
          <input type="checkbox" id="check">
          <label for="check"> Remember Me</label>
        </div>
      </div>
    </div>
  </div>
  <script>
    function validateLogin() {
      window.location.href = "./home.html";
    }
  </script>
<footer>
    © 2024 FarmUp. All rights reserved.
</body>
</html>
style.css
*{
  margin: 0;
  padding: 0;
  font-family: 'Poppins', sans-serif;
}
.header{
  min-height: 100vh;
  width: 100%;
  background-image: linear-gradient(rgba(230, 230, 230, 0.2),rgba(230, 230, 230,
0.2)),url(./images/indexb.jpg);
  background-position: center;
  background-size: cover;
  position: relative;
}
nav{
  display: flex;
  padding: 2% 6%;
  justify-content: space-between;
  align-items: center;
}
nav img{
  width: 150px;
}
.nav-links{
```

```
flex: 1;
  text-align: right;
}
.nav-links ul li{
  list-style: none;
  display: inline-block;
  padding: 8px 12px;
  position: relative;
.nav-links ul li a{
  color: black;
  text-decoration: none;
  font-size: 13px;
}
.nav-links ul li::after{
  content: ";
  width: 0%;
  height: 2px;
  background: #f44336;
  display: block;
  margin: auto;
  transition: 0.5s;
}
.nav-links ul li:hover::after{
  width: 100%;
}
.text-box{
  width: 90%;
  color: #fff;
  position: absolute;
  top: 60%;
  left: 50%;
  transform: translate(-50%,-50%);
  text-align: center;
.text-box h1{
  font-size: 62px;
}
.text-box p{
  margin: 10px;
  font-size: 14px;
  color: #fff;
}
.hero-btn{
  display: inline-block;
  text-decoration: none;
  color: #fff;
```

```
border:1px solid #fff;
  padding: 12px 34px;
  font-size: 13px;
  background: transparent;
  position: relative;
  cursor: pointer;
}
.hero-btn:hover{
  border: 1px solid #f44336;
  background: #f44336;
  transition: 1s;
}
nav .fa{
  display: none;
}
@media(max-width:700px){
  .text-box h1{
    font-size: 20px;
  }
  .nav-links ul li{
    display: block;
  }
  .nav-links{
    position: absolute;
    background:transparent;
    height: 100vh;
    width: 200px;
    top: 0;
    right: -200px;
    text-align: left;
    z-index: 2;
    transition: 1s;
  }
  nav .fa{
    display: block;
    color: #fff;
    margin: 10px;
    font-size: 22px;
    cursor: pointer;
  }
  .nav-links ul{
    padding: 30px;
  }
}
.con{}
  min-height: 100vh;
  width: 100%;
```

```
background-image: linear-
gradient(rgba(4,9,30,0.7),rgba(4,9,30,0.7)),url(./images/contact.jpg);
  background-position: center;
  background-size:100% 100%;
  position: relative;
  width: 100%;
  color: #fff;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%,-50%);
  text-align: center;
}
.insta{
  color: inherit;
  text-decoration: inherit;
  display: block;
  font-size: 13px;
}
.Ach{
  margin: 5%;
  display: flex;
  justify-content: space-between;
}
.pp{
  flex-basis: 100%;
  background: #fff3f3;
  border-radius: 10px;
  margin-bottom: 5%;
  padding: 50px 50px;
  box-sizing: border-box;
  transition: 0.5s;
}
.pp:hover{
  box-shadow: 0 0 20px 0px rgba(0,0,0,0.2);
}
body {
  font-family: Arial, sans-serif;
  margin: 0;
}
.sidenav {
  height: 100%;
  width: 0;
  position: fixed;
  z-index: 1;
  top: 0;
```

```
right: 0;
  background-color: #111;
  overflow-x: hidden;
  transition: 0.5s;
  padding-top: 60px;
}
.sidenav a {
  padding: 8px 32px 8px 8px;
  text-decoration: none;
  font-size: 20px;
  color: #818181;
  display: block;
  transition: 0.3s;
  text-align: right;
}
.sidenav a:hover {
  color: #f1f1f1;
}
.sidenav .closebtn {
  position: absolute;
  top: 0;
  left: 0;
  font-size: 36px;
  margin-left: 50px;
}
#main {
  transition: margin-right .5s;
  padding: 16px;
}
    }
footer {
  background-color:black;
  color: white;
  text-align: center;
  padding: 10px;
  position: fixed;
  bottom: 0;
  width: 100%;
}
styles.html
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700&display=swap');
```

```
.box{
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 90vh;
}
.container{
  width: 350px;
  display: flex;
  flex-direction: column;
  padding: 0 15px 0 15px;
}
span{
  color: #fff;
  font-size: small;
  display: flex;
  justify-content: center;
  padding: 10px 0 10px 0;
}
header{
  color: #fff;
  font-size: 30px;
  display: flex;
  justify-content: center;
  padding: 10px 0 10px 0;
.input-field{
  display: flex;
  flex-direction: column;
}
.input-field .input{
  height: 45px;
  width: 87%;
  border: none;
  outline: none;
  border-radius: 30px;
  color: #fff;
  padding: 0 0 0 42px;
  background: rgba(255,255,255,0.1);
}
i{
  position: relative;
  top: -31px;
  left: 17px;
  color: #fff;
}
::-webkit-input-placeholder{
  color: #fff;
.submit{
  border: none;
```

```
border-radius: 30px;
  font-size: 15px;
  height: 45px;
  outline: none;
  width: 100%;
  background: rgba(255,255,255,0.7);
  cursor: pointer;
  transition: .3s;
}
.submit:hover{
  box-shadow: 1px 5px 7px 1px rgba(0, 0, 0, 0.2);
}
.bottom{
  display: flex;
  flex-direction: row;
  justify-content: space-between;
  font-size: small;
  color: #fff;
  margin-top: 10px;
}
.left{
  display: flex;
}
label a{
  color: #fff;
  text-decoration: none;
}
footer {
  background-color:black;
  color: white;
  text-align: center;
  padding: 10px;
  position: fixed;
  bottom: 0;
  width: 100%;
}
</style>
</head>
<body>
```

Contact.html

```
<title>Veteran's Project</title>
  <link rel="stylesheet" href="./style.css">
  k rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
href="https://fonts.googleapis.com/css2?family=Caveat&family=Poppins:ital,wght@0,100;0,300;0,6
00;1,700&display=swap" rel="stylesheet">
<style>
footer {
  background-color:black;
  color: white;
  text-align: center;
  padding: 10px;
  position: fixed;
  bottom: 0;
  width: 100%;
}
</style>
</head>
<body>
  <div class="con">
  <h1>CONTACT</h1>
<br>
  <h2>Contact Number:91+ 8688569015</h2>
  <h2>Email:sharathbommera@gmail.com</h2>
<br>
  <a class="hero-btn" href="./home.html" class="insta">Home</a>
</div>
</body>
<footer>
    © 2024 FarmUp. All rights reserved.
  </footer>
</html>
cropdetails.html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Crop Details Form</title>
k href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"
rel="stylesheet">
<style>
  body {
    font-family: Arial, sans-serif;
```

```
background-color: #f0f5f0;
  margin: 0;
  padding: 0;
}
.container {
  max-width: 800px;
  margin: 50px auto;
  padding: 20px;
  background-color: #fff;
  border-radius: 10px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}
h1 {
  text-align: center;
  color: #2e8b57;
}
form {
  margin-top: 20px;
}
label {
  margin-bottom: 5px;
  color: #2e8b57;
}
.form-control {
  margin-bottom: 10px;
.error-message {
  color: red;
  font-size: 0.9em;
}
.radio-label {
  margin-right: 10px;
  color: #2e8b57;
}
.generate-btn {
  width: 100%;
  padding: 10px;
  background-color: #2e8b57;
  color: #fff;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  transition: background-color 0.3s;
```

```
}
  .generate-btn:hover {
    background-color: #3cb371;
  @media screen and (max-width: 768px) {
    .container {
      margin: 20px;
      padding: 10px;
    }
  }
  footer {
    background-color: black;
    color: white;
    text-align: center;
    padding: 10px;
    position: fixed;
    bottom: 0;
    width: 100%;
  }
</style>
</head>
<body>
<div class="container">
  <h1>Crop Details Form</h1>
  <form id="cropForm">
    <div class="form-group">
      <label for="farmerId">Farmer ID:</label>
      <input type="number" class="form-control" id="farmerId" name="farmerId" required>
    </div>
    <div class="form-group">
      <label for="firstName">First Name:</label>
      <input type="text" class="form-control" id="firstName" name="firstName" required>
    </div>
    <div class="form-group">
      <label for="lastName">Last Name:</label>
      <input type="text" class="form-control" id="lastName" name="lastName" required>
    </div>
    <div class="form-group">
      <label for="email">Email:</label>
      <input type="email" class="form-control" id="email" name="email" required>
      <div class="error-message" id="emailError"></div>
    </div>
    <div class="form-group">
      <label for="phoneNumber">Phone Number:</label>
      <input type="tel" class="form-control" id="phoneNumber" name="phoneNumber"
pattern="[0-9]{10}" required>
```

```
<small class="form-text text-muted">Format: 10 digits without spaces or special
characters.</small>
      <div class="error-message" id="phoneError"></div>
    </div>
    <div class="form-group">
      <label for="address">Address:</label>
      <textarea class="form-control" id="address" name="address" rows="3" required></textarea>
    </div>
    <div class="form-group">
      <label for="cropName">Crop Name:</label>
      <input type="text" class="form-control" id="cropName" name="cropName" required>
    </div>
    <div class="form-group">
      <label for="location">Location:</label>
      <input type="text" class="form-control" id="location" name="location" required>
    </div>
    <div class="form-group">
      <label for="landSurveyNumber">Land Survey Number:</label>
      <input type="text" class="form-control" id="landSurveyNumber" name="landSurveyNumber"</pre>
required>
    </div>
    <div class="form-group">
      <label for="landPercentage">Land Percentage:</label>
      <input type="number" class="form-control" id="landPercentage" name="landPercentage"
required>
    </div>
    <div class="form-group">
      <label for="waterPercentage">Water Percentage:</label>
      <input type="number" class="form-control" id="waterPercentage" name="waterPercentage"</pre>
required>
    </div>
    <div class="form-group">
      <label>Soil Fertility:</label>
      <div class="form-check">
        <input type="radio" class="form-check-input" id="high" name="soilFertility" value="high"
required>
        <label class="form-check-label radio-label" for="high">High</label>
      <div class="form-check">
        <input type="radio" class="form-check-input" id="medium" name="soilFertility"
value="medium" required>
        <label class="form-check-label radio-label" for="medium">Medium</label>
      <div class="form-check">
        <input type="radio" class="form-check-input" id="low" name="soilFertility" value="low"</p>
required>
        <label class="form-check-label radio-label" for="low">Low</label>
      </div>
    </div>
    <div class="form-group">
      <label>Current Crop Season:</label>
```

```
<div class="form-check">
        <input type="radio" class="form-check-input" id="kharif" name="cropSeason"
value="Kharif" required>
        <label class="form-check-label radio-label" for="kharif">Kharif</label>
      </div>
      <div class="form-check">
        <input type="radio" class="form-check-input" id="rabi" name="cropSeason" value="Rabi"</pre>
required>
        <label class="form-check-label radio-label" for="rabi">Rabi</label>
      </div>
      <div class="form-check">
        <input type="radio" class="form-check-input" id="zaid" name="cropSeason" value="Zaid"</pre>
required>
        <label class="form-check-label radio-label" for="zaid">Zaid</label>
      </div>
    </div>
    <button type="button" class="generate-btn" onclick="submitForm()">Generate</button>
  </form>
</div>
<footer>
  © 2024 FarmUp. All rights reserved.
</footer>
<!-- Bootstrap JS and links -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.11.0/umd/popper.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>
<script>
  function submitForm() {
    const form = document.getElementById('cropForm');
    const formData = new FormData(form);
    let data = \{\};
    let valid = true;
    formData.forEach((value, key) => {
      data[key] = value;
    });
    // Email validation
    const email = data.email;
    const emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
    if (!emailPattern.test(email)) {
      document.getElementById('emailError').innerText = 'Invalid email format';
      valid = false;
    } else {
      document.getElementById('emailError').innerText = ";
```

```
// Phone number validation
const phoneNumber = data.phoneNumber;
const phonePattern = /^[0-9]{10}$/;
if (!phonePattern.test(phoneNumber)) {
    document.getElementById('phoneError').innerText = 'Invalid phone number format';
    valid = false;
} else {
    document.getElementById('phoneError').innerText = '';
}

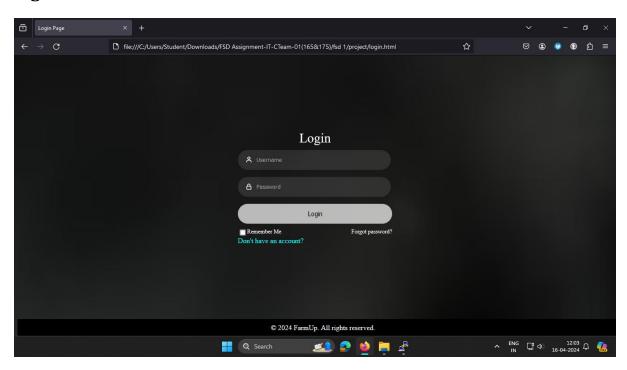
if (valid) {
    console.log('Form data:', data);}
}
</body>
</body>
</html>
```

Outputs:

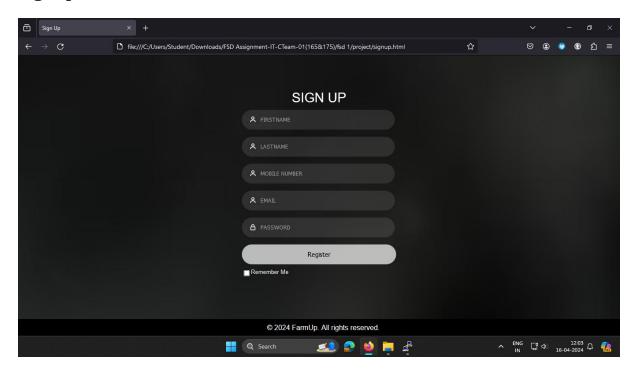
index



login



Signup

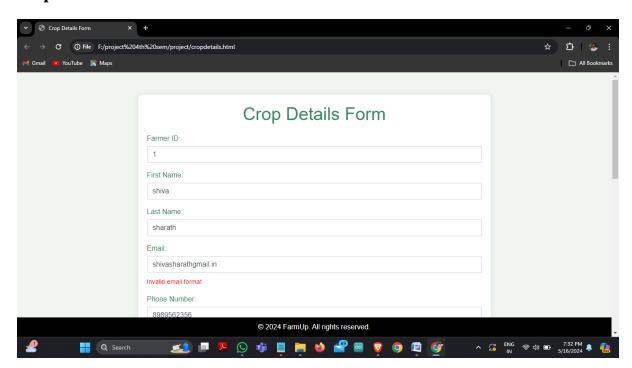


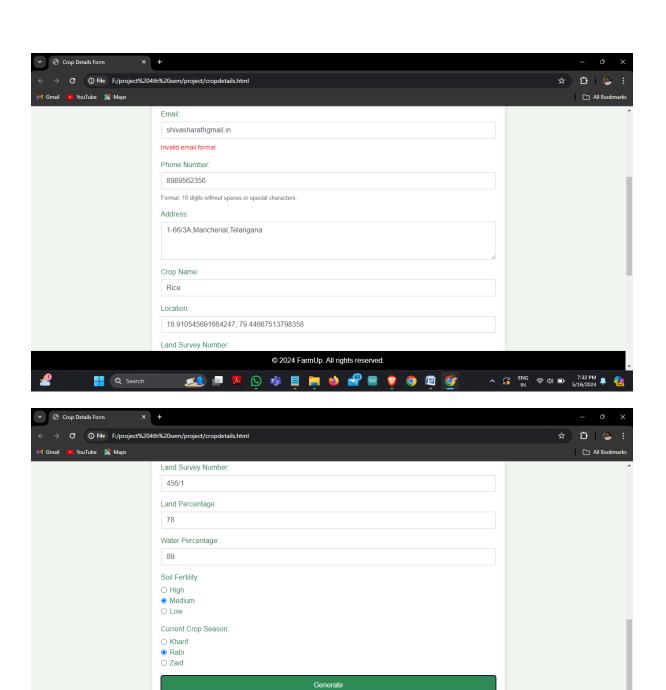
Home





cropdetails

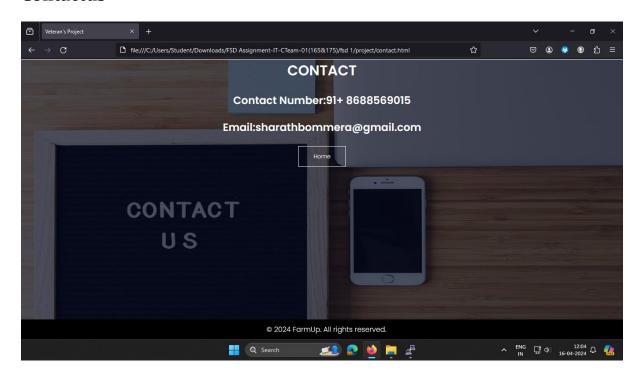




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