
1. Create a Flask App
2. Add the Home page, About Page
3. Add the Bootstrap
4. Add the Signup page and Add the Login Page:

SIGNUP

USERNAME

EMAIL

ROLL NUMBER

PASSWORD

SIGNUP

ALREADY HAVE AN ACCOUNT

LOGIN

SIGNUP PAGE HTML CODE :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title style="font-family: sans-serif">Sign up</title>
</head>
<style>
  h1{
    text-align: center;
    font-size: 10ch;
    color: white;
  }
  body{
    background-color:
    MediumSeaGreen;text-align:
    center;
  }
  body{
    background-image: url("im.gif");
    background-position: center;
    background-repeat: no-repeat;
    background-size: cover;
  }

  p{
    color: white;
    font-size: x-large;
    font-family: 'Times New Roman', Times, serif;
  }
  small{
    color:rgba(168, 61, 61, 0.71);
    font-size:3ch;
  }
  input[type=submit] {
    background-color: rgba(0, 0, 0, 0);
    font-family: 'Times New Roman', Times, serif;
    border: none;
    color: white;
    padding: 15px 10px;
    text-decoration: none;
    margin: 2px 2px;
    cursor: pointer;
  }
</style>
<body>
  <h1><u>SIGNUP</u></h1>
  <form method="POST" action="">
    <p>USERNAME</p>
    <input type="text" name="username" id="username" maxlength="25"
size="25" required>
    <p>EMAIL</p>
    <input type="text" name="email" id="email" maxlength="25" size="25"
required>
    <p>ROLL NUMBER</p>
    <input type="text" name="rno" id="rno" maxlength="25" size="25"
required><p>PASSWORD</p>
```

```

        <input type="password" name="password" id="password" maxlength="25"
size="25" required>
        <br><br>
        <input type="submit" value="SIGNUP">
        <br><br>
        <small><u>ALREADY HAVE AN ACCOUNT<a href="{{ url_for('login')
}}"><br></u>
        <small><u>LOGIN</u></small>
    </form>
</body>
</html>

```

SIGNUP FUCTION IN FLASK :

```

@app.route("/",methods=["GET","POST"])
def signup():
    if (request.method=="POST"):
        rno = request.form.get("rno",'')
        email = request.form.get("email")
        username = request.form.get("username",'')
        password = request.form.get("password",'')

        with sqlite3.connect("users.db") as con:
            cur = con.cursor()
            cur.execute("INSERT INTO user (roll_number,email,username,password)
VALUES (?,?,,?)",(rno,email,username,password) )
            con.commit()
            return redirect(url_for('login'))
        return render_template("signup.html")

```

Login Page:

LOGIN PAGE

USERNAME

PASSWORD

LOGIN

New User?[Signup](#)

LOGIN PAGE HTML CODE :

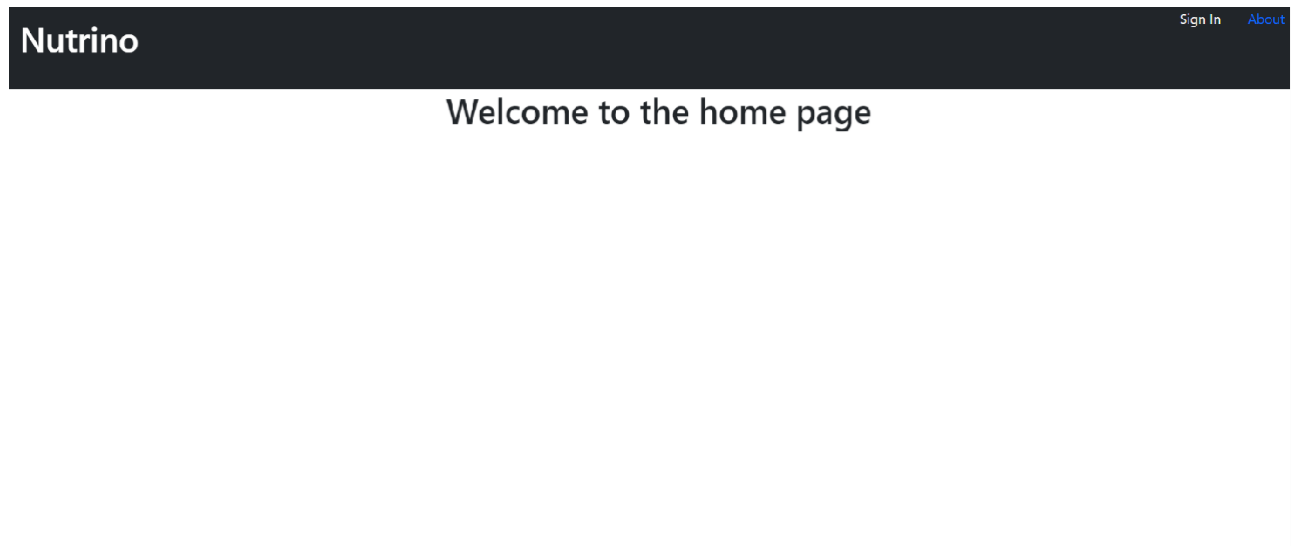
```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Login</title>
  <link href="style.css">
</head>
<style>
  body{
    text-align:justify;
    background-color: Tomato;
  }
</style>
<body>

  <h1>LOGIN PAGE</h1> <br>
  <form method="POST" action="">
    <p><b>USERNAME</b></p>
    <input type="text" name="username" id = "username"> <br>
    <p><b>PASSWORD</b></p>
    <input type="password" name="password" id="password"> <br>
    <br>
    <input type="submit" value="LOGIN">
    <p><small><u>New User?</u><a href="{{ url_for('signup')
  }}">Signup</a></small></p>
  </form>
</body>
</html>
```

LOGIN FUNCTION IN FLASK :

```
@app.route("/login",methods=["GET","POST"])
def login():
    if request.method=="POST":
        username = request.form.get("username",'')
        password = request.form.get("password",'')
        with sqlite3.connect("users.db") as con:
            cur = con.cursor()
            cur.execute("select * from user where username=(?) and
password=(?)",(username,password))
            result = cur.fetchone()
            con.commit()
            if result==None:
                return render_template("login.html",msg="Invalid Username and
password")
            else:
                return render_template("home.html",username=result[1])
        return render_template("login.html")
```

Home Page:



HOME PAGE HTML CODE :

```
<!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>Home Page</title>
  <link rel="stylesheet" href="{{ url_for('static',filename='styles/main.css') }}">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-iYQeCzEYFb"
</head>
<body>
  <nav class="navbar navbar-dark bg-dark">
    <div class="container-fluid">
      <a class="navbar-brand" href="#"><h1>Nutrino</h1></a>
      <div class="navbar-nav">
        <ul class="nav justify-content-end">
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="/signin">Sign In</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="/about">About</a>
          </li>
        </ul>
      </div>
      <h1 align="center">Nutrition Assistant Application</h1>
    </div>
  </nav>
  <div style="background-image:url('/static/img/image.jpg') ;"></div>
  <div class="main" align="center">
    <h1>Welcome to the home page</h1>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-u10knCv"
</body>
</html>
```

About Page:



ABOUT PAGE HTML CODE :

```
<!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>About</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-iYQeCzEYFbK"
</head>
<body
  style="background-color: #4bb574">
  <div align="center">
    <h1>About</h1><br><br><br><br>
    <h4>This is the Assignment 2 of the Cloud Application Development</h4>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-u10knCvxwVY5kfMNBILK2h"
</body>
</html>
```