

Assignment-2

Assignment Date	15 September 2022
Student Name	G.Srividhya
Student Roll Number	913319104044
Maximum Marks	2 Marks

Question:

- 1) Create a Flask App
- 2) Add the Home page,About Page
- 3) Add the bootstrap
- 4) Add the Signin page and App the Signup Page +database connectivity

Base.html

```
<!doctype html>

<html lang="en">

  <head>

    <!--Required meta tags-->

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width,initial-scale=1">

    <!--Bootstrap CSS-->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
    rel="stylesheet" integrity="sha384-
    iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYal1GyVh/UjpbCx/TYkiZhlZB6+fzT" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvZlHgTPOOmMi466C8"
    crossorigin="anonymous"></script>

    <!--<link rel="stylesheet" href="static/css/style.css"-->

    {% block head %} {% endblock %}


  </head>

  <body>
```

```

<nav class="navbar navbar-expand-lg bg-light">

  <div class="container-fluid">

    <a class="navbar-brand" href="addstudent">addstudent</a>

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

      <span class="navbar-toggler-icon"></span>

    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">

      <ul class="navbar-nav me-auto mb-2 mb-lg-0">

        <li class="nav-item">

          <a class="nav-link active" aria-current="homepage" href="homepage">Home</a>

        </li>

        <li class="nav-item">

          <a class="nav-link" href="signup">signup</a>

        </li>

        <li class="nav-item dropdown">

          <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown"
aria-expanded="false">

            Dropdown

          </a>

          <ul class="dropdown-menu">

            <li><a class="dropdown-item" href="about">About</a></li>

            <li><a class="dropdown-item" href="home">home</a></li>

            <li><hr class="dropdown-divider"></li>

            <li><a class="dropdown-item" href="signin">Signin</a></li>

          </ul>

        </li>

        <li class="nav-item">

          <a class="nav-link disabled">disabled</a>

        </li>

      </ul>

```

```

        <form class="d-flex" role="search">
            <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
            <button class="btn btn-outline-success" type="submit">Search</button>
        </form>
    </div>
</div>
</nav>

<div class="container mt-5">
    {% block body %} {% endblock %}
</div>
</body>
</html>

```

Signin.html

```

{% extends 'base.html' %}

{% block head %}
    <title>Signin page</title>
{% endblock %}

{% block body %}

<h2>Signup Forms</h2>
<form action="/signin">
    <label for="fname">First name:</label><br>
    <input type="text" id="fname" name="fname" class="form-control" ><br>
    <label for="lname">Last name:</label><br>
    <input type="text" id="lname" name="lname" class="form-control"><br><br>
    <input type="submit" value="Submit">

```

</form>

<p>If you click the "Submit" button, the form-data will be sent to a page called
"/action_page.php".</p>

{% endblock %}

App.py

```
from flask import Flask, render_template, request, session, redirect,  
url_for  
from werkzeug.utils import secure_filename;  
import sqlite3 as sql
```

```
app = Flask(__name__)  
app.secret_key="SecretKey";
```

```
@app.route("/home")  
def home():  
    return render_template("home.html");
```

```
@app.route("/homepage")  
def homepage():  
    return render_template("homepage.html");
```

```
@app.route("/about")  
def about():  
    return render_template("about.html");
```

```
@app.route("/signin")  
def signin():  
    return render_template("signin.html");
```

```
@app.route("/signup")
```

```
def signup():
```

```
    return render_template("signup.html");
```

```
@app.route("/blog")
```

```
def blog():
```

```
    return render_template("blog.html");
```

```
@app.route("/addstudent")
```

```
def new_student():
```

```
    return render_template("addstudent.html");
```

```
@app.route("/addrec", methods=['GET','POST'])
```

```
def addrec():
```

```
    if request.method == 'POST':
```

```
        try:
```

```
            name=request.form['name'];
```

```
            addr=request.form['address'];
```

```
            city=request.form['city'];
```

```
            pin=request.form['pin'];
```

```
            with sql.connect("student_database.db") as con:
```

```
                cur=con.cursor()
```

```
                cur.execute("INSERT INTO students(name, addr, city, pin)
```

```
VALUES(?,?,?,?)",(name,addr,city,pin))
```

```
                con.commit()
```

```
                msg="Records added successfully"
```

```
        except:
```

```
con.rollback()

msg="Error in insertion"
```

```
finally:

    con.close()

return render_template("result.html", msg=msg);
```

```
@app.route("/list")

def list():

    con=sql.connect("student_database.db");

    con.row_factory=sql.Row


    cur = con.cursor()

    cur.execute("SELECT * FROM students")


    students = cur.fetchall();

    return render_template("list.html",students=students);
```

Homepage.html

```
{% extends "base.html" %}
```

```
{% block title %}Homepage{% endblock %}
```

```
{% block body %}
```

```
<h1 class="text-center">Simple Flask App</h1>
```

```
<div class="row">
```

```
<div class="col-sm-6 offset-sm-3">
```

```
<div class="jumbotron">
```

```
    Welcome to this simple Flask example app.<br>HOMEPAGE<br>
```

```
</div>

</div>

</div>

{% endblock %}
```

SIGNUP.HTML

```
{% extends "base.html" %}

{% block title %}Signupage{% endblock %}

{% block body %}

<body>

    <!-- Main div code -->

    <div id="main">

        <div class="h-tag">

            <h2>Create Your Account</h2>

        </div>

        <!-- create account div -->

        <div class="login">

            <table cellspacing="2" align="center" cellpadding="8" border="0"> <tr>

                <td align="right">Enter Name :</td>

                <td><input type="text" placeholder="Enter user here" class="tb" /></td>

            </tr>

            <tr>

                <td align="right">Enter Email ID :</td>

                <td><input type="text" placeholder="Enter Email ID here" class="tb" /></td>

            </tr>

            <tr>

                <td align="right">Enter Username :</td>

                <td><input type="text" placeholder="Enter Username here" class="tb" /></td>

            </tr>

            <tr>

                <td align="right">Enter Password :</td>
```

```

<td><input type="password" placeholder="Enter Password here" class="tb" /></td>
</tr>
<tr>
<td align="right">Enter Confirm Password :</td>
<td><input type="password" placeholder="Enter Password here" class="tb" /></td>
</tr>
<tr>
<td></td>
<td>
<input type="reset" value="Clear Form" id="res" class="btn" />
<input type="submit" value="Create Account" class="btn" /></td>
</tr>
</table>
</div>
<!-- create account box ending here.. -->
</div>
<!-- Main div ending here... -->
</body>
{% endblock %}

```

ABOUT.HTML

```

{% extends "base.html" %}
{% block title %}Aboutpage{% endblock %}

{% block body %}

<div class="about-section">
<h1>About Us Page</h1>
<p>nutrition assistant application</p>

```



```
<p>srividhya(lead)</p>
```

```
</div>
```

```
<h2 style="text-align:center">Our Team</h2>
```

```
<div class="row">
```

```
<div class="column">
```

```
<div class="card">
```

```

```

```
<div class="container">
```

```
<h2>NIVETHA</h2>
```

```
<p class="title">designer</p>
```

```
<p>teammember1.</p>
```

```
<p>nivetha@gmail.com</p>
```

```
<p><button class="button">Contact</button></p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="column">
```

```
<div class="card">
```

```

```

```
<div class="container">
```

```
<h2>ASWINI</h2>
```

```
<p class="title">frontend developer</p>
```

```
<p>team member2</p>
```

```
<p>aswini@example.com</p>
```

```
<p><button class="button">Contact</button></p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```

<div class="column">
  <div class="card">
    
    <div class="container">
      <h2>GOWSALYA</h2>
      <p class="title">fullstack developer</p>
      <p>team member3</p>
      <p>gowsi@example.com</p>
      <p><button class="button">Contact</button></p>
    </div>
  </div>
</div>
</div>
</div>
{% endblock %}

```

Addstudents.html

```

{% extends "base.html" %}
{% block title %}addstudent{% endblock %}

{% block body %}
  <form action="{{url_for('addrec')}}" method="POST">
    <h3>Student Information</h3>
    Name<br>
    <input type="text" name="name"/><br>
    Address<br>
    <input type="text" name="address"/><br>
    City<br>
    <input type="text" name="city"/><br>
    Pin<br>
  </form>
{% endblock %}

```

```

        <input type="text" name="pin"/><br>
        <input type="submit" value="submit"/><br>
    </form>
{% endblock %}

Home.html

{% extends "base.html" %}
{% block title %}home{% endblock %}

{% block body %}

<h1>welcome to student db app</h1>
<a href = "/homepage">GO BACK TO HOMEPAGE</a>
<a href = "/list">list</a>
<a href = "/addstudent">Add New</a>

{% endblock %}

```

```

List.html

<html>
<body>
    <a href="/">Home</a>
    <a href="/addstudent">Add New Student</a>
    <a href="/list">List Student</a>
    <br><hr>
    <table border="1">
        <thead>
            <td>Name</td>
            <td>Address</td>
            <td>City</td>
            <td>Pincode</td>
        </thead>

        {%for row in students%}
            <tr>
                <td>{{row["name"]}}</td>

```

```
<td>{{row["addr"]}}</td>
<td>{{row["city"]}}</td>
<td>{{row["pin"]}}</td>
</tr>
{%endfor%}
</table>
```

```
</body>
</html>
</body></html>
```

Result.html

```
<html>
<body>
<h1>Result of Record Insertion: {{msg}}</h1>
<a href="/">Back to Home Page</a>
</body>
</html>
```

Sqlite.py

```
import sqlite3

conn=sqlite3.connect("student_database.db")
print("Opened Database successfully")

conn.execute("CREATE TABLE students (name TEXT, addr TEXT, city TEXT, pin TEXT)")
print("Table created successfully")
conn.close()
```

Student Information

Name
srividhya

Address
adhiyaman,chenai

City
madurai

Pin
655012

submit

Result of Record Insertion: Records added successfully

[Back to Home Page](#)

STUDENT DATABASE

Welcome to this simple Flask example app.
HOMEPAGE

Create Your Account

Enter Name :

Enter Email ID :

Enter Username :

Enter Password :

Enter Confirm Password :

[Clear Form](#) [Create Account](#)

About Us Page

nutrition assistant application

srividhya(lead)

Our Team



NIVETHA

designer

teammember1.

nivetha@gmail.com

Contact



ASWINI

frontend developer

team member2

aswini@example.com

Contact



welcome to student db app

[GO BACK TO HOMEPAGE](#) [list](#) [Add New](#)

Name	Address	City	Pincode
G.srividhya	xxx	hhij	ttt
Hg	ggg	jjk	ff
bvf	jhgf	nbff	sdfg
sri	ss	ss	ss
srividhya	adhiyaman,chenai	madurai	655012

Signin Forms

First name:

Last name:

Submit

If you click the "Submit" button, the form-data will be sent to a page called "/action_page.php".

