Assignment-2

Assignment Date	15 September 2022
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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

```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/T2uDLTpkwGzCiq6soy8tYaI1GyVh/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+RTT6rIHI7NnikvbZlHgTPOOmMi466C8" crossorigin="anonymous"></script>

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

{% block head %} {% endblock %}


</head>

<body>
```

```html
<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>
```

```html
      <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

```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

```python
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");
```

```python
@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:
```

```python
            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

```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 %}Signuppage{% 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>
```

```html
    <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

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


{% block body %}


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

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


<h2 style="text-align:center">Our Team</h2>
<div class="row">
  <div class="column">
    <div class="card">
      <img src="/w3images/team1.jpg" alt="nivetha" style="width:100%">


      <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">
     <img src="/w3images/team2.jpg" alt="aswini" style="width:100%">
     <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>
```
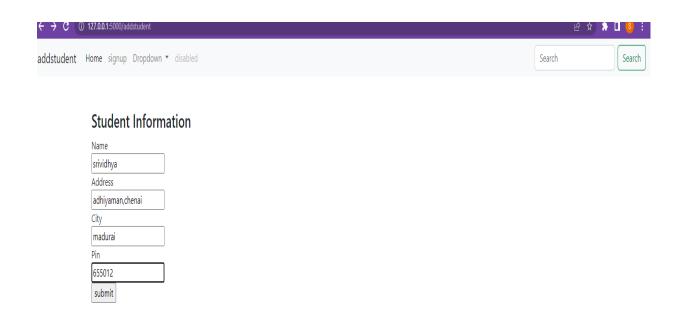
```html
  <div class="column">
   <div class="card">
     <img src="/w3images/team3.jpg" alt="gowsalya" style="width:100%">
     <div class="container">
       <h2>GOWSALYA</h2>
       <p class="title">fullstack developer</p>
       <p>team member3</p>
       <p>gowsi@example.com</p>
       <p><button class="button">Contact</button></p>
     </div>
   </div>
  </div>
 </div>
 {% endblock %}
```

Addstudents.html

```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="textarea" name="address"/><br>

      City<br>
      <input type="text" name="city"/><br>

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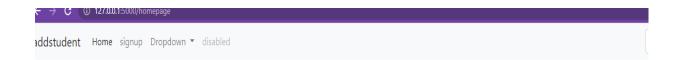
```html
            <input type="text" name="pin"/><br>
            <input type="submit" value="submit"/><br>
        </form>
{% endblock %}
```

Home.html

```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
<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>
```

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


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

Result.html

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

Sqlite.py

```python
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()
```

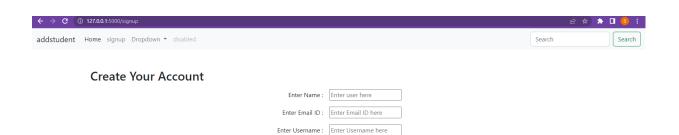addstudent Home signup Dropdown ▾ disabled   Search | Search |

Student Information

Name
| srividhya |

Address
| adhiyaman,chenai |

City
| madurai |

Pin
| 655012 |

| submit |

Result of Record Insertion: Records added successfully

Back to Home Page

addstudent Home signup Dropdown ▾ disabled

STUDENT DATABASE

Welcome to this simple Flask example app.

HOMEPAGE

---

addstudent Home signup Dropdown ▾ disabled

Search Search

Create Your Account

Enter Name :	Enter user here
Enter Email ID :	Enter Email ID here
Enter Username :	Enter Username here
Enter Password :	Enter Password here
Enter Confirm Password :	Enter Password here

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

gowsalya

welcome to student db app

GO BACK TO HOMEPAGE list Add New

Name	Address	City	Pincode
G.srividhya	xxx	hhjj	tttt
ffg	ggg	jjk	ff
bvf	jhgf	nbff	sdfg
sri	ss	ss	ss
srividhya	adhiyaman,chenai	madurai	655012

addstudent   Home signup Dropdown ▾ disabled

Search Search

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".

Name	Address	City	Pincode
G.srividhya	xxx	hhjj	tttt
ffg	ggg	jjk	ff
bvf	jhgf	nbff	sdfg
sri	ss	ss	ss
srividhya	adhiyaman,chenai	madurai	655012