#### Assignment-2

Assignment Date	15 September 2022
Student Name	M.NIVETHA
Student Roll Number	913319104035
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"</pre>
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"</pre>
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rlHI7NnikvbZlHgTPOOmMi466C8"
crossorigin="anonymous"></script>
<!--<li>k 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">
     class="nav-item">
       <a class="nav-link active" aria-current="homepage" href="homepage">Home</a>
      class="nav-item">
       <a class="nav-link" href="signup">signup</a>
      <a class="nav-link dropdown-toggle" href="#" role="button" data-bs-toggle="dropdown"
aria-expanded="false">
        Dropdown
       </a>
       ul class="dropdown-menu">
        <a class="dropdown-item" href="about">About</a>
        <a class="dropdown-item" href="home">home</a>
        <hr class="dropdown-divider">
        <a class="dropdown-item" href="signin">Signin</a>
       class="nav-item">
       <a class="nav-link disabled">disabled</a>
```

```
<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="Iname">Last name:</label><br>
 <input type="text" id="lname" name="lname" class="form-control"><br><br>
```

```
<input type="submit" value="Submit">
</form>
If you click the "Submit" button, the form-data will be sent to a page called
"/action_page.php".
{% 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/>
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">
 Enter Name :
 <input type="text" placeholder="Enter user here" class="tb" />
 Enter Email ID :
 <input type="text" placeholder="Enter Email ID here" class="tb" />
 Enter Username :
 <input type="text" placeholder="Enter Username here" class="tb" />
```

```
Enter Password :
 <input type="password" placeholder="Enter Password here" class="tb" />
 Enter Confirm Password :
 <input type="password" placeholder="Enter Password here" class="tb" />
 <input type="reset" value="Clear Form" id="res" class="btn" />
 <input type="submit" value="Create Account" class="btn" />
 </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>
 nutrition assistant application
 srividhya(lead)
</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>
    designer
    teammember1.
    nivetha@gmail.com
    <button class="button">Contact</button>
   </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>
    frontend developer
    team member2
    aswini@example.com
    <button class="button">Contact</button>
```

```
</div>
  </div>
 </div>
 <div class="column">
  <div class="card">
   <img src="/w3images/team3.jpg" alt="gowsalya" style="width:100%">
   <div class="container">
    <h2>GOWSALYA</h2>
    fullstack developer
    team member3
    gowsi@example.com
    <button class="button">Contact</button>
   </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="textarea" name="address"/><br>
     City<br>
```

```
<input type="text" name="city"/><br>
     Pin<br>
     <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>
   <thead>
       Name
       Address
       City
       Pincode
     </thead>
```

```
{%for row in students%}
       {{row["name"]}}
         {{row["addr"]}}
         {{row["city"]}}
         {{row["pin"]}}
       {%endfor%}
   </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()
```

Search

Search

## 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

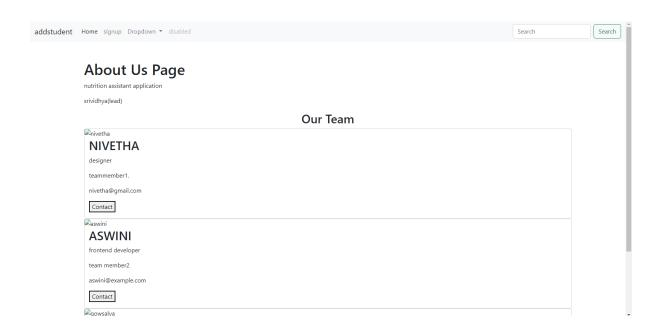
Enter Email ID : Enter Email ID here

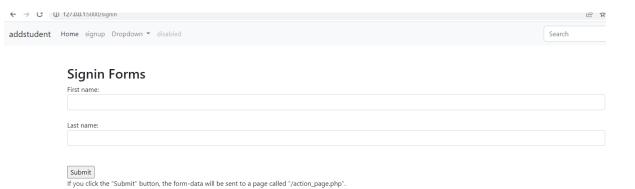
Enter Username : Enter Username here

Enter Password : Enter Password here

Enter Confirm Password : Enter Password here

Clear Form Create Account





addstudent Home signup Dropdown ▼ disabled

# **Student Information**

Name
nivetha
Address
therkutheru, melur
City
melur
Pin
12345
submit

## Home Add New Student List Student

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
gowsalya	gowsalya kunur street,916 chena		1234
nivetha	ivetha therkutheru,melur		12345