Assignment -2

Assignment Date	15 September 2022
Student Name	Mathumitha M
Student Roll Number	913319106014
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 Add the Signup Page

Solution:

base.html

```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">
    <title>Document</title>
    <!-- CSS only -->
                                                                    <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">
    <!-- JavaScript Bundle with Popper -->
                                                                    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min
.js"
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi4
66C8" crossorigin="anonymous"></script>
    {% block head %} {% endblock %}
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-light">
        <div class="container-fluid">
            <a class="navbar-brand" href="{{url_for('index')}}">Home</a>
```

```html
                                    <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="page"
href="{{url_for('chat')}}">Chat</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="{{url_for('signup')}}">Sign up</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="{{url_for('create')}}">Create</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="{{url_for('signin')}}">Sign in</a>
            </li>
            <li class="nav-item">
              <a class="nav-link" href="{{url_for('about')}}">About</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="#">Action</a></li>
                        <li><a  class="dropdown-item"  href="#">Another
action</a></li>
                <li><hr class="dropdown-divider"></li>
                    <li><a  class="dropdown-item"  href="#">Something  else
here</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>
```

index.html

```html
{% extends 'base.html' %}
{% block head %}
    <title>Home page</title>
{% endblock %}
{% block body %}
<div class="p-5 mb-4 bg-light rounded-3">
    <div class="container-fluid py-5">
      <h1 class="display-5 fw-bold">HomePage</h1>
      <p class="col-md-8 fs-4">Hii there, This is a Homepage</p>
        <p class="col-md-8 fs-4">All the CSS properties are built using
Bootstrap</p>
      <p class="col-md-8 fs-4">Page routes are built by Jinja2 Template</p>
        <p class="col-md-8 fs-4">Click on Chat on the nav bar to see the
chats.</p>
       <p class="col-md-8 fs-4"> Click on Sign up to enter into the Sign up
form.</p>
        <p class="col-md-8 fs-4"> Click on Sign in to enter into the Sign in
form.</p>
        <p class="col-md-8 fs-4"> Click on About on the nav bar to see the
aboutus page</p>
      <p class="col-md-8 fs-4">Click on Create to create a new message.</p>
        <!-- <button class="btn btn-primary btn-lg" type="button">Example
button</button> -->
```

```
      </div>
    </div>
{% endblock %}
```

chat.html

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

{% block body %}
<h1>{% block title %} Messages {% endblock %}</h1>
<hr>

    {% for messages in messages %}
        <div class="message">
            <h3>{{ messages['title'] }}</h3>
            <p>{{ messages['content'] }}</p>
        </div>
    {% endfor %}
{% 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>
```

```html
<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 %}
```

signin.html

```html
{% extends 'base.html' %}
{% block head %}
<title>Signin page</title>
{% endblock %}
{% block body %}
<h2>Signin 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 %}
```

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>MATHUMITHA (Team Member 1)</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="sneha" style="width:100%">
<div class="container">
<h2>SNEHA</h2>
<p class="title">designer</p>
<p>Lead</p>
<p>sneha@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="keerthana" style="width:100%">
<div class="container">
<h2>KEERTHANA</h2>
<p class="title">frontend developer</p>
<p>Team Member 2</p>
<p>keerthi@gmail.com</p>
<p><button class="button">Contact</button></p>
```

```
</div>
</div>
</div>
<div class="column">
<div class="card">
<img src="/w3images/team3.jpg" alt="kiruba" style="width:100%">
<div class="container">
<h2>KIRUBA</h2>
<p class="title">fullstack developer</p>
<p>Team Member 3</p>
<p>kiruba@gmail.com</p>
<p><button class="button">Contact</button></p>
</div>
</div>
</div>
<div class="column">
    <div class="card">
    <img src="/w3images/team3.jpg" alt="neelambari" style="width:100%">
    <div class="container">
    <h2>NEELAMBARI</h2>
    <p class="title"> designer</p>
    <p>Team Member 4</p>
    <p>neela@gmail.com</p>
    <p><button class="button">Contact</button></p>
    </div>
    </div>
    </div>
</div>
{% endblock %}
```

create.html

```
{% extends 'base.html' %}
{% block body %}
    <h1> {% block title %} Add a New Message {% endblock %} </h1>
    <form method ="post">
        <label for="title">Title</label >
        <br>
            <input type ="text" name ="title" placeholder ="Message Title"
value ="{{ request.form['title'] }}"
```

```html
                        class="form-control">
            </input >
            <br>

            <label for = "content"> Message Content </label >
            <br>
                <textarea  name ="content"  placeholder = "Message Content"
value="{{ request.form['content'] }}" class="form-control" ></textarea >
            <br>
            <button type="Submit" class="btn btn-success"> Submit</button>
        </form>
{% endblock %}
```

app.py

```python
from                    flask                import                 Flask,
url_for,render_template,request,config,session,make_response,abort,redirect,fl
ash;
from markupsafe import escape;

app = Flask(__name__);
app.config['SECRET_KEY'] = 'the secret key'

# @app.route("/post/<int:post_id>")
# def post(post_id):
#     return f"Post {escape(post_id)} Integer"

# @app.route("/projects/")
# def projects():
#     return "Projects/"


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

@app.route("/users/")
def users():
    return render_template("profile.html")

@app.route("/users/<username>")
def profile(username):
```

```python
        return render_template("profile.html", username=username);

@app.route("/signup/")
def signup():
    return render_template("signup.html")

@app.errorhandler(404)
def page_not_found(error):
    return render_template("page_not_found.html"),404

messages=[{'title':'Message One',
            'content':'Iam Mathumitha' },
          {'title':'Message Two',
            'content':'Flask demo app' },
          ]
@app.route("/chat")
def chat():
    return render_template("chat.html", messages=messages);
@app.route("/about")
def about():
        return render_template('about.html')
@app.route("/signin/")
def signin():
    return render_template("signin.html")

@app.route('/create/' , methods=('GET', 'POST'))
def create():
    if request.method=="POST":
        title = request.form['title']
        content = request.form['content']

        if not title:
            flash('Title is required!')
        elif not content:
            flash('Content is required!')
        else:
            messages.append({'title':title,'content':content})
            name = "Mathu"
            return redirect(url_for("chat", messages=name ))
    return render_template("create.html")
```

OUTPUT:

127.0.0.1:5000/signup/

Home   Chat   Sign up   Create   Sign in   About

Create Your Account

Enter Name : `mathu`

Enter Email ID : `mathu@gmail.com`

Enter Username : `Mathumitha`

Enter Password : `••••••`

Enter Confirm Password : `••••••`

Clear Form   Create Account

127.0.0.1:5000/signin/

Home   Chat   Sign up   Create   Sign in   About

Signin Forms

First name:

`Mathumitha`

Last name:

`Muniyasamy`

Submit

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

Home Chat Sign up Create Sign in About

Messages

Message One
Iam Mathumitha

Message Two
Flask demo app

Home Chat Sign up Create Sign in About

About Us Page

Nutrition Assistant Application

MATHUMITHA (Team Member 1)

Our Team

SNEHA
designer

Lead

sneha@gmail.com

Contact

KEERTHANA
frontend developer

Team Member 2

Add a New Message

Title

Message Title

Message Content

Message Content

Submit