Assignment -2

Assignment Date	15 September 2022
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Student Roll Number	913319106011
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>
```

```
                    <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

```
{% 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 %}
```

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'] }}"
                    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 %}
```

about.html

```
{% extends "base.html" %}
{% block title %}Aboutpage{% endblock %}
{% block body %}
<div class="about-section">
<h1>About Us Page</h1>
```

```html
<p>Nutrition Assistant Application</p>
<p>KEERTHANA (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="mathu" style="width:100%">
<div class="container">
<h2>MATHUMITHA</h2>
<p class="title">designer</p>
<p>Team Member 2</p>
<p>mathu@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="sneha" style="width:100%">
<div class="container">
<h2>SNEHA</h2>
<p class="title">frontend developer</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/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">
```

```html
        <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 %}
```

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")
```

```python
@app.route("/users/<username>")
def profile(username):
    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 keerthana' },
          {'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/create/

Home Chat Sign up Create Sign in About

Add a New Message

Title

Message Title

Message Content

Message Content

Submit

127.0.0.1:5000/signin

Home Chat Sign up Create Sign in About

Signin Forms

First name:

keerthana

Last name:

Lakshmanan

Submit

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

About Us Page

Nutrition Assistant Application

KEERTHANA (TEAM MEMBER 1)

Our Team

MATHUMITHA

designer

Team Member 2

mathu@gmail.com

Contact

SNEHA

frontend developer

Lead

Messages

Message One

Iam keerthana

Message Two

Flask demo app