

Assignment – 2

Flask App

Assignment Date	26 September 2022
Student Name	Nandhini R
Student Roll Number	815119106026
Maximum Marks	2 Marks

Question:

- 1) Create a Flask App
- 2) Add the Home page, About Page
- 3) Add the bootstrap
- 4) Add the Sign in page and Add the Signup Page

About.html

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

```
{% block title %}Aboutpage{% endblock %}
```

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

```
<div class="about-section">
```

```
<h1>About Us Page</h1>
```

```
<p>Smart Fashion Recommender Application</p>
```

```
<p>Balamurugan G(lead)</p>
```

```
</div>
```

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

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

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

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

```
<div class="container">
<h2>Catherine S</h2>
<p class="title">designer</p>
<p>teammember1.</p>
<p>catherine@gmail.com</p>
<p><button class="button">Contact</button></p>
</div>
</div>
</div>
```

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

```
<div class="container"> <h2>Kalaivani
T V</h2>
<p class="title">frontend developer</p>
<p>team member2</p>
<p>kalai@example.com</p>
<p><button class="button">Contact</button></p>
</div>
</div>
</div>
```

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

```
<div class="container">
<h2>Kumaragurumoorthy R</h2>
<p class="title">Backend developer</p>
```

```

<p>team member3</p>
<p>guru@example.com</p>
<p><button class="button">Contact</button></p>
</div>
</div>
</div>
</div>
{% endblock %}

```

Base.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+RTT6rIHl7NnikvbZlHgTPOOmMi466C8"
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>

```

```

<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('signin')}}">Sign In</a>

</li>

<li class="nav-item">

<a class="nav-link" href="{{url_for('create')}}">Create</a>

<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"
ariaexpanded="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>
```

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 %}
```

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 %}
```

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">Home Page</h1>
<p class="col-md-8 fs-4">Hii there, This is a Home page.</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 to see About Us.</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 %}

```

Signin.html

```

{% extends 'base.html' %}
{% block head %}
<title>Signup page</title>
{% endblock%}

{% block body %}
<h2>Signup forms</h2>
<form action="/signup">
<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>
<label for="pswd">Password:</label><br>
<input type="text" id="pswd" name="pswd" class="form-control"><br><br>

```

```
<label for="Rpswd">Re-type Password</label><br>
<input type="text" id="Rpswd" name="Rpswd" class="form-control"><br><br>
<input type="submit" value="Submit" class="btn btn-primary">
{% 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 cellpadding="2" cellspacing="2" 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 %}

```

App.py

```

from flask import Flask,
url_for,render_template,request,config,session,make_response,abort,redirect,flash; 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("/about")  
  
def about():  
    return render_template("about.html")
```

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

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

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

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

```
messages=[{'title':'Message One',
```

```

'content': 'Message one content' },
{'title': 'Message Two',
'content': 'Message Two content' },
]

@app.route("/chat")
def chat():
    return render_template("chat.html", messages=messages)

@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 = "Bala G"
            return redirect(url_for("chat",
            messages=name ))
    return render_template("create.html")

```

Home Page

Hii there, This is a Home page.

All the CSS properties are built using Bootstrap

Page routes are built by Jinja2 Template

Click on Chat on the nav bar to see the chats.

Click on Sign up to enter into the Sign up form.

Click on Sign in to enter into the Sign in form.

Click on About to see About Us.

Click on Create to create a new message.

Messages

Message One

Message one content

Message Two

Message Two content

Add a New Message

Title

Message Content

Submit

Messages

Message One

Message one content

Message Two

Message Two content

hello

welcome

Signup forms

First name:

Last name:

Password:

Re-type Password

Submit

Create Your Account

Enter Name :

Enter Email ID :

Enter Username :

Enter Password :

Enter Confirm Password :

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

