

Assignment – 2

Assignment Date	1 October 2022
Student Name	Abinaya priya A.
Student Roll Number	913319106001
Maximum Marks	2 Marks

Question:

1. Create User table with user with Email, User name, Roll number, Password. Perform the UPDATE,DELETE Queries with user table. Connect python code to db2. Create a flask app with registration page, Login page and Welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user and password. If the user is show the welcome page.

Sign up page:

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

```
{% block head %}
```

```
<title>Signup page</title>
```

```
<style>
```

```
.body{
```

```
padding-top: 120px;
```

```
text-align: center;
```

```
height: 100%
```

```
}
```

```
.blink {
```

```
animation: blinker 1.5s linear infinite;
```

```
color: red;
```

```
font-family: sans-serif;
```

```
width: 60%;
```

```
}
```

```
@keyframes blinker {
```

```
50% {
```

```
opacity: 0;
```

```
}
```

```
}
```

```
</style>
```

```
{% endblock%}
```

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

```
<marquee class="blink">WELCOME OUR PAGE</marquee>
```

```
<div class="body">
```

```
<h2>Signup Up</h2>
```

```
<form action="/signup">
```

```
<label for="fname">First name:</label>
```

```
<input type="text" id="fname" name="fname" class="form-control"><br><br>
```

```
<label for="lname">Last name:</label>
```

```
<input type="text" id="lname" name="lname" class="form-control"><br><br>
```

```
<div>
```

```
<label for="Gender">Gender:</label>
```

```
<input type="radio" id="html" name="Gender" value="MALE">
```

```
<label for="html">MALE</label>
```

```
<input type="radio" id="html" name="Gender" value="FEMALE">
```

```
<label for="html">FEMALE</label>
```

```
</div><br>
```

```
<input type="submit" value="Submit" class="btn btn-primary">
```

```
</div>
```

```
{% endblock%}
```

WELCOME OUR PAGE

Signup Up

First name:

Last name:

Gender: ☐ MALE ☐ FEMALE

Submit

Home page:

```
{% 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 Create to create a new message.</p>
```

```
<!-- <button class="btn btn-primary btn-lg" type="button">Example button</button> -->
```

```
</div>
```

```
<div>
```

```
<input type="radio" id="html" name="Gender" value="Gender">
```

```
<label for="html">MALE</label>
```

```
</div>
```

</div>

{% endblock %}

Home Chat Sign up Create

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 Create to create a new message.

Chat page:

{% 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 %}

Messages

Message One

Message one content

Message Two

Message Two content

Create page:

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

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

```
<h1> {% block title %} Add a New Message {% endblock %} </h1>
```

```
<form method ="post">
```

```
<label for="title">Title</label >
```

```
<br><br>
```

```
<textarea name ="content" placeholder = "Message Title" value="{{ request.form['content'] }}" class="form-control" ></textarea >
```

```
<br><br>
```

```
<label for = "content"> Message Content </label ><br>
```

```
<br>
```

```
<textarea name ="content" placeholder = "Message Content" value="{{ request.form['content'] }}" class="form-control" ></textarea >
```

```
<br><br>
```

```
<button type="Submit" class="btn btn-success">Submit</button>
```

```
</form>
```

```
{% endblock %}
```

[Home](#) [Chat](#) [Sign up](#) [Create](#)

Add a New Message

Title

Message Content

Base page:

```
<!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/T2uDLTPkwGzCiq6soy8tYal1GyVh/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>

        </ul>

      </div>

    </div>

  </nav>

</body>

</html>
```


<li class="nav-item">

Create

<!-- <li class="nav-item dropdown">

Dropdown

<ul class="dropdown-menu">

Action

Another action

<hr class="dropdown-divider">

Something else here

<li class="nav-item">

Disabled

<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>
```

PYTHON CODING:

```
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("/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):
```

```
    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':'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 = "Abinaya priya A"
```

```
return redirect(url_for("chat", messages=name ))
```

```
return render_template("create.html")
```