

Assignment-2

HTML, CSS, DB2, Python & Flask

Assignment Date	13 October 2022
Student Name	Ms. R SHARRANYA
Student Roll Number	960519106059
Maximum Marks	2 Marks

Question-1:

1. Create User table with email, username, roll number, password.
2. Perform UPDATE,DELETE Queries with user table
3. Connect python code to db2.
4. 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.
5. Authenticate user with username and password. If the user is valid show the welcome page

Solution:

app.py

```
from flask import Flask,render_template,redirect,request,url_for,session,flash
import sqlite3
food=Flask(__name__)
food.secret_key="123"

con=sqlite3.connect("detail.db")
con.execute("CREATE TABLE IF NOT EXISTS data(pid INTEGER PRIMARY KEY, name TEXT, d_o_b
INTEGER,age INTEGER,email TEXT,password INTEGER)")

con.close()

@food.route("/")
def signup():
    return render_template("signup.html")
@food.route("/submitting",methods=['POST','GET'])
def submit():
    if request.method=="POST":
        try:
            name=request.form["name"]
            d_o_b=request.form["d_o_b"]
            age=request.form["age"]
            email=request.form["email"]
            password=request.form["password"]
            con=sqlite3.connect("detail.db")
```

```

        cur=con.cursor()
        con.execute("INSERT INTO
data(name,d_o_b,age,email,password)VALUES(?,?,?,?,?)",(name,d_o_b,age,email,password))
        con.commit()
        flash("registered successfully","primary")
    except:
        flash("Error in insertion","danger")

    finally:
        return redirect(url_for("insert"))
        con.close()
    return render_template("signup.html")
@food.route("/login")
def login():
    return render_template("login.html")
@food.route("/verify", methods=["GET","POST"])
def insert():
    if request.method=='POST':
        name=request.form['name']
        password=request.form['password']
        con=sqlite3.connect("detail.db")
        con.row_factory=sqlite3.Row
        cur=con.cursor()
        cur.execute("SELECT * FROM data where name=? and password=?", (name,password))
        data=cur.fetchone()
        if data:
            session["name"]=data["name"]
            return render_template("home.html")
        else:
            flash("Username and Password Mismatch","danger")
    return render_template("login.html")
@food.route("/home")
def home():
    return render_template("home.html")

if __name__=='__main__':
    food.run(debug=True)

```

UserScheme.sql

```
CREATE TABLE data(pid INTEGER PRIMARY KEY, name TEXT, d_o_b INTEGER,age  
INTEGER,email TEXT,password INTEGER)
```

Signup.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>sign Up</title>  
  
  <style>  
    body{  
      margin: 0;  
      padding: 0;  
      font-family: fantasy;  
      text-align:center ;  
      background-image: url('../static/img/img1.jpg');  
      background-repeat: no-repeat;  
  
    }  
    .container{  
      background-color:rgb(255, 255,255);  
      box-shadow: 0 0 3px 3px grey;  
      width:500px;  
      height: 500px;  
      margin-left: 400px;  
      margin-top: 100px;  
    }  
    form{  
      margin-left: 25px;  
      margin-top: 30px;  
  
    }  
    .enter{  
      background-color: transparent;  
      border: none;  
      border-bottom: 2px solid rgb(22, 22, 21);  
  
      width: 55%;  
      padding :12px 20px;  
  
      color: black;  
    }  
    .check{  
      margin-left: 50px;  
    }  
    .button{  
      width: 80%;  
      border-radius: 10px;  
      border: none;  
      background-color: rgba(78, 160, 236, 0.925);  
      color: black;
```

```

        padding: 10px 10px;
    }

</style>

</head>
<body>
    <div class="container">
        <h1 >Sign Up</h1>
        <form action="/submitting" class="reg" method="POST" autocomplete="off">

            <input type="text" name="name" class="enter" placeholder="enter name" ><br>
            <input type="date" name="d_o_b" class="enter" placeholder="date of birth" ><br>
            <input type="text" name="age" class="enter" placeholder="Enter age" ><br>
            <input type="text" name="email" class="enter" placeholder=" Enter email" ><br>
            <input type="text" name="password" class="enter" placeholder="Enter password"><br><br>
            <p><input type="checkbox"> I agree all the terms &conditions</p>
            <button type="submit" class="button" >Sign up</button><br>
            <hr width="75%" size="1" style="color:black ; ">
            <a href="url_for{'login'}"><button class="button" style=" background-color: green ; "
>Sign In</button></a>

        </form>
    </div>
</body>
</html>

```

Login.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>login</title>
    <link rel="stylesheet" href="../static/css/bootstrap.min.css">
    <style>
        body{
            margin:0;
            padding:0;
            background-image: url("../static/img/img2.jpeg");
            background-size: cover;
            background-repeat: no-repeat;
            background-attachment: fixed;

        }
        .container{
            background-color: rgba(0, 0, 0, 0.459);
            width:35%;
            height: 70%;
            margin-top: 100px;
            margin-left: 400px;

```

```

        padding: 12px 20px;
        text-align: center;
    }
    input{
        border-radius: 4px solid black;
        color: black;
        font-family: Arial, Helvetica, sans-serif;
    }
</style>
</head>
<body>
    <div class="container" >
        {% with messages = get_flashed_messages(with_categories=true) %}
        {% if messages %}
            {% for category,message in messages %}
                <div class="alert alert-{{category}}">{{message}}</div>
            {% endfor %}
        {% endif %}
        {% endwith %}
        <form action="/verify" method="post" autocomplete="off">
            <h1 style="font-family: Tahoma;color:white">LOGIN</h1>
            <input type="text" name="name" placeholder="customer name" required><br><br>
            <input type="text" name="password" placeholder="password" required><br><br>
            <button type="submit" class="btn-primary">Log In</button>
        </form>

    </div>
</body>
</html>

```

Home.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>welcome</title>
  <link rel="stylesheet" href="../static/css/bootstrap.min.css">

</head>
<body>

  <nav class="navbar navbar-expand-lg bg-primary">
    <div class="container-fluid">
      <a class="navbar-brand" href="#" style="color: white;font-family: cursive;">Food
Paradise</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle
navigation">
        <span class="navbar-toggler-icon"></span>
      </button>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
      <div class="collapse navbar-collapse" id="navbarNav">
```

[illegible]

style.css

```
body{
    margin:0;
    padding:0;
    background-image: url("../static/img/img2.jpeg");
    background-size: cover;
    background-repeat: no-repeat;
    background-attachment: fixed;
}

.container{
    background-color: rgba(0, 0, 0, 0.459);
    width:35%;
    height: 70%;
    margin-top: 100px;
    margin-left: 400px;
    padding: 12px 20px;
    text-align: center;
}

input{
    border-radius: 4px solid black;
    color: black;
    font-family: Arial, Helvetica, sans-serif;
}
```

Before signup:

sign Up

127.0.0.1:5000

Gmail

Sign Up

enter name

dd-mm-yyyy

Enter age

Enter email

Enter password

☐ I agree all the terms & conditions

Sign up

Sign In

Type here to search

17:23 18-10-2022

While Signup page:

sign Up

127.0.0.1:5000

Gmail

Sign Up

abcd

01 - 03 - 2002

20

dfgh@gmail.com

12345

☒ I agree all the terms & conditions

Sign up

Sign In

Type here to search

17:25 18-10-2022

Login page:

login

127.0.0.1:5000/verify

Gmail

LOGIN

customer name

password

Log In

Type here to search

17:25 18-10-2022

After login → home page

