Assignment -2

Assignment Date	29 September 2022
Student Name	Nivedha G
Student Roll Number	917719C064
Maximum Marks	Marks

1. Create User table with user with email, username, roll number, password.

User table:

Inserting values into user table:

User table:

```
18 •  select * from user;
```

rollno	username	email	password
19C017	dhatshaeni17	dhatshaeni@stud...	dhatshaeniiiii
19C018	dhinesh18	dhineshkumarb@...	dhineshhh
19C056	harrish64	mohamadh@stud...	harrishhhh
19C064	nivedha64	nivedhag@stude...	nivedhaaaa
NULL	NULL	NULL	NULL

2. Perform UPDATE, DELETE Queries with user table.

Update query and resultant table:

```
20 •  update user set email="nivedhaaganapathy@gmail.com"
21    where rollno="19C064";
22
23 •  select * from user;
```

rollno	username	email	password
19C017	dhatshaeni17	dhatshaeni@stud...	dhatshaeniiiii
19C018	dhinesh18	dhineshkumarb@...	dhineshhh
19C056	harrish64	mohamadh@stud...	harrishhhh
19C064	nivedha64	nivedhaaganapat...	nivedhaaaa
NULL	NULL	NULL	NULL

Delete query and resultant table:

```
25 •  delete from user where rollno="19C064";
26 •  select * from user;
27
```

rollno	username	email	password
19C017	dhatshaeni17	dhatshaeni@stud...	dhatshaeniiiii
19C018	dhinesh18	dhineshkumarb@...	dhineshhh
19C056	harrish64	mohamadh@stud...	harrishhhh
NULL	NULL	NULL	NULL

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 authenticate user username and password. If the user is valid show the welcome page.**

App.py:

```python
from flask import Flask, render_template, flash, request, redirect, url_for, session
import sqlite3

app = Flask(__name__)
app.secret_key="123"

con=sqlite3.connect("database.db")
con.execute("create table if not exists users(pid integer primary key,name TEXT, email TEXT, contact TEXT, password TEXT)")
con.close()

@app.route('/')
def home():
    return render_template('home.html')

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

@app.route('/about')
def about():
    return render_template('about.html')


@app.route('/signin',methods=["GET","POST"])
def signin():
    if request.method=='POST':
        email=request.form['email']
        password=request.form['password']
        con=sqlite3.connect("database.db")
        con.row_factory=sqlite3.Row
        cur=con.cursor()
```

```python
        cur.execute("select  *  from  users  where  email=?  and
password=?",(email,password))
        data=cur.fetchone()

        if data:
            session["name"]=data["name"]
            session["email"]=data["email"]
            session["password"]=data["password"]
            return redirect(url_for("profile"))
        else:
            flash("Username and Password Mismatch","danger")
            return redirect(url_for("signin"))
    return render_template('signin.html')

@app.route('/signup',methods = ['POST', 'GET'])
def signup():
    if request.method == 'POST':
        try:
            name = request.form['name']
            email = request.form['email']
            contact=request.form['contact']
            password = request.form['password']
            password1 = request.form['password1']
            if(password==password1):
                con=sqlite3.connect("database.db")
                cur = con.cursor()
                cur.execute("INSERT INTO users (name,email,contact,password)
VALUES (?,?,?,?)",(name,email,contact,password))
                con.commit()
                flash("Register successfully","success")
                return redirect(url_for("signin"))
            else:
                flash("Password Mismatch","danger")
                return redirect(url_for("signup"))
        except:
            flash("Error","danger")

    return render_template("signup.html")


@app.route('/logout')
def logout():
    session.clear()
```

```python
        return redirect(url_for("home"))


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

About.html:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>About</title>
    <link                                         rel="stylesheet"
href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>

<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">Personal expense
tracker</a>
    </nav>
    <section class="bg-white py-5">
        <div class="container">
            <h2 class="text-center mb-5">ABOUT</h2>
            <div data-aos="zoom-in">
                <p>Personal expense tracker helps the user to track their
expenses</p>
            </div>
        </div>
    </section>


</body>

</html>
```

Home.html:

```html
<!DOCTYPE html>
```

```html
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Home</title>
    <link                                          rel="stylesheet"
href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>

</head>

<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">Expense Tracker</a>
        <div class="collapse navbar-collapse" id="navbarNav">
            <ul class="navbar-nav ml-auto">
                <li class="nav-item">
                    <a   class="nav-link   text-white"   href="/">Home   <span
class="sr-only"></span></a>
                </li>
                <li class="nav-item">
                    <a                class="nav-link                text-white"
href="{{url_for('about')}}">About</a>
                </li>
                <li class="nav-item">
                    <a                class="nav-link                text-white"
href="{{url_for('signup')}}">Signup</a>
                </li>
                <li class="nav-item">
                    <a                class="nav-link                text-white"
href="{{url_for('signin')}}">Signin</a>
                </li>
            </ul>
        </div>
    </nav>
    <section class="body">

        <div class="row m-0 py-5 py-lg-0">

            <div class="col-md-6 align-self-center pl-5" data-aos="fade-up-
right">
                <h1>Personal expense tracker</h1>
```

```html
                    <a              class="btn            btn-primary              mt-3"
        href="{{url_for('signup')}}">Get Started</a>

                </div>
            </div>
        </section>
    </body>

</html>
```

Profile.html:

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Profile</title>
    <link                                               rel="stylesheet"
href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>

<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">Customer Care</a>
    </nav>
    <div class="container">
        <div class="col-md-offset-3 col-md-5">
            <h2   class="page-header   text-primary   text-center">Customer
Page</h2>
            <h3                             class="text-success">WELCOME
{{session["name"]}}</h3>
            <hr>
            <a   href="{{url_for('logout')}}"   class="btn   btn-primary   btn-
block">Logout</a>
        </div>
    </div>


    </body>
```

```
</html>
```

Signin.html:

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <title>SignIn</title>
  <link                                    rel="stylesheet"
href="{{url_for('static',filename='css/bootstrap.min.css')}}">
  <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>

<body>
  <nav class="navbar navbar-expand-md bg-success shadow">
    <a class="navbar-brand text-white" href="/">Personal expense
tracker</a>
  </nav>
  <div class="container" style="margin-top:100px">
    <div class="col-md-offset-3 col-md-4">
      <form action="/signin" method="post" autocomplete="off">

        <h3 class="page-header text-primary">SIGN IN</h3>
        {%              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 %}
        <div class="form-group">
          <label>Email</label>
          <input type="email" name="email" placeholder="Enter your
Email" class="form-control" required>
        </div>
        <div class="form-group">
          <label>Password</label>
          <input         type="password"         name="password"
placeholder="Enter your Password"class="form-control" required>
        </div>
```

```html
            <div class="btn">
                <input type="submit" value="Signin" class="btn btn-
success">
            </div>
            <p class="bottom text-center mt-3">Didn't have an account? <a
class="bottom"
                href="{{url_for('signup')}}">Signup here</a>

        </form>
      </div>
    </div>

    <script>
      $(document).ready(function () {
        $(".alert").hide(5000)
      });
    </script>

</body>

</html>
```

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>SignUp</title>
    <link                                            rel="stylesheet"
href="{{url_for('static',filename='css/bootstrap.min.css')}}">
    <script src="{{url_for('static',filename='js/jquery.min.js')}}"></script>
</head>

<body>
    <nav class="navbar navbar-expand-md bg-success shadow">
        <a class="navbar-brand text-white" href="/">Personal expense
tracker</a>
    </nav>
    <div class="container" style="margin-top:100px">
        <div class="col-md-offset-5 col-md-4">
            <form action="/signup" method="post" autocomplete="off">
```

```html
<h3 class="page-header text-primary">SIGN UP</h3>
{% 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 %}
<div class="form-group">
    <label>Name</label>
    <input type="text" name="name" placeholder="Enter your Name" class="form-control" required>
</div>
<div class="form-group">
    <label>Email</label>
    <input type="email" name="email" placeholder="Enter your Email" class="form-control" required>
</div>
<div class="form-group">
    <label>Contact</label>
    <input type="text" name="contact" placeholder="Enter your contact" class="form-control" required>
</div>
<div class="form-group">
    <label>Password</label>
    <input type="password" name="password" placeholder="Create a password" class="form-control"
        required>
</div>
<div class="form-group">
    <label>Confirm-Password</label>
    <input type="password" name="password1" placeholder="Rewrite a password" class="form-control"
        required>

</div>
<div class="form-group">
    <input type="submit" value="Signup" class="btn btn-success">
    <input type="reset" value="Clear" class="btn btn-danger">
</div>
```
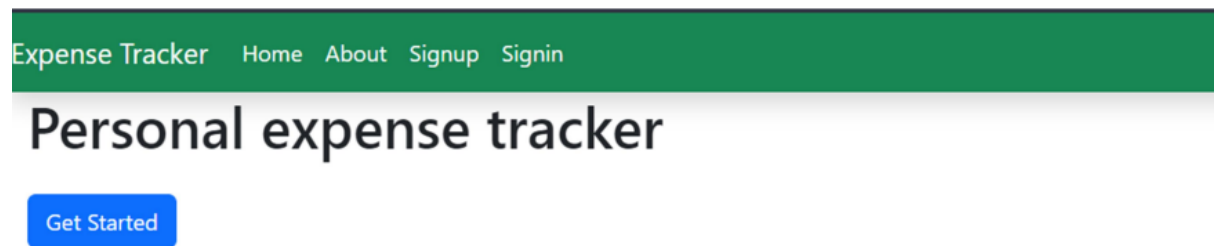
```
            </form>
            <p class="bottom text-center mt-3">Already have an account? <a
    class="bottom"
                href="{{url_for('signin')}}">Login here</a>
        </div>

      </div>
      <script>
        $(document).ready(function () {
          $(".alert").hide(5000)
        });
      </script>

    </body>

</html>
```

Screenshots:

Expense Tracker   Home   About   Signup   Signin

Personal expense tracker

Get Started

ABOUT

Personal expense tracker helps the user to track their expenses

Personal expense tracker

SIGN UP

Name

Ravi kumar J

Email

ravi@gmail.com

Contact

987654321

Password

••••••••••

Confirm-Password

••••••••••

Signup   Clear

Already have an account? Login here

SIGN IN

Email

ravi@gmail.com

Password

••••••••••••

Signin

Didn't have an account? [Signup here](#)

Customer Page

WELCOME Ravi kumar J

Logout

Personal expense tracker

SIGN IN

Email

aravind@gmail.com

Password

••••••••••

Signin

Didn't have an account? Signup here

SIGN IN

Username and Password Mismatch

Email

Enter your Email

Password

Enter your Password

Signin

Didn't have an account? Signup here