

Assignment -2

Assignment Date	29 September 2022
Student Name	Dhinesh Kumar B
Student Roll Number	917719C018
Maximum Marks	Marks

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

User table:

```
1 • create database IBM;
2 • use IBM;
3 • create table user(
4     rollno varchar(10) primary key,
5     username varchar (20) ,
6     email varchar (30),
7     password varchar(20)
8 );
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

#	Time	Action	Message	Duration / Fetch
1	22:44:12	create database IBM	1 row(s) affected	0.016 sec
2	22:44:12	use IBM	0 row(s) affected	0.000 sec
3	22:46:53	create table user(rollno varchar(10) primary key, username varchar (20) , email varchar (30), password ...	0 row(s) affected	0.188 sec

Inserting values into user table:

```
6     email varchar (30),
7     password varchar(20)
8 );
9 • insert into user values("19C064","nivedha64",
10 "nivedhag@student.tce.edu","nivedhaaaa");
11 • insert into user values("19C018","dhinesh18",
12 "dhineshkumarb@student.tce.edu","dhineshhh");
13 • insert into user values("19C017","dhatshaeni17",
14 "dhatshaeni@student.tce.edu","dhatshaeniiii");
15 • insert into user values("19C056","harrish64",
16 "mohamadh@student.tce.edu","harrishhhh");
17
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

#	Time	Action	Message	Duration / Fetch
2	22:44:12	use IBM	0 row(s) affected	0.000 sec
3	22:46:53	create table user(rollno varchar(10) primary key, username varchar (20) , email varchar (30), passwor...	0 row(s) affected	0.188 sec
4	22:51:08	insert into user values("19C064","nivedha64", "nivedhag@student.tce.edu","nivedhaaaa")	1 row(s) affected	0.094 sec
5	22:51:08	insert into user values("19C018","dhinesh18", "dhineshkumarb@student.tce.edu","dhineshhh")	1 row(s) affected	0.000 sec
6	22:51:08	insert into user values("19C017","dhatshaeni17", "dhatshaeni@student.tce.edu","dhatshaeniiii")	1 row(s) affected	0.015 sec
7	22:51:08	insert into user values("19C056","harrish64", "mohamadh@student.tce.edu","harrishhhh")	1 row(s) affected	0.000 sec

User table:

```
18 • select * from user;
```

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

We have combined part 3 and 4:

- 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:

```
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()
```

```
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()
```

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

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

About.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:

```
<!DOCTYPE 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>

```

```

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

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

</html>

```

Profile.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:

```
<!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>
      </form>
    </div>
  </div>
</body>
</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>

```

Signup.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">

```

```

        <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>

```

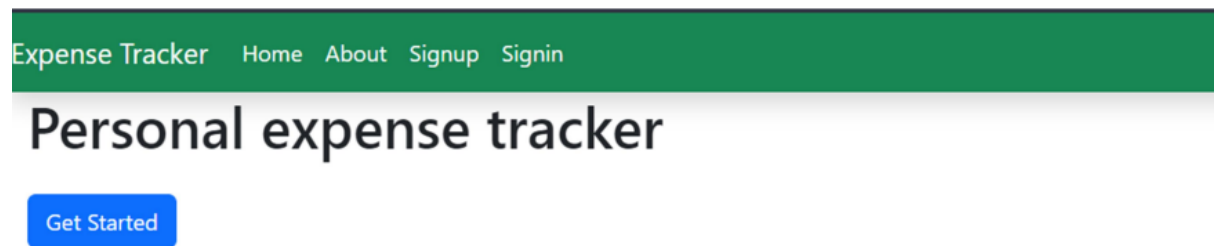
```
        </form>
        <p class="bottom text-center mt-3">Already have an account? <a
class="bottom"
        href="{ {url_for('signin')}} ">Login here</a>
    </div>
```

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

```
</body>
```

```
</html>
```

Screenshots:



ABOUT

Personal expense tracker helps the user to track their expenses

SIGN UP

Name

Email

Contact

Password

Confirm-Password

Already have an account? [Login here](#)

SIGN IN

Email

Password

Signin

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

Customer Page

WELCOME Ravi kumar J

Logout

SIGN IN

Email

Password

Signin

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

SIGN IN

Username and Password Mismatch

Email

Password

Signin

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

