

**Assignment -2**  
Python-flask Programming

Assignment Date	19 September 2022
Student Name	Mr.S.Jeyaveerapandian
Student Roll Number	913119106037
Maximum Marks	2 Marks

**Question-1:**

**Question-1:**

1. Create a Flask App
2. Add the Home page, About Page
3. Add the Bootstrap
4. Add the Sign in page and App the Signup Page+ database connectivity

**app.py:**

```
from site import USER_BASE from flask import Flask,
render_template, url_for, request, redirect import sqlite3 as sql

app=Flask(__name__)
app.secret_key
='shreesathyam'

@app.route('/')
def home():
    con =sql.connect('user_base.db')
    con.row_factory=sql.Row
    cur=con.cursor()
    cur.execute('select *from user')

    users= cur.fetchall()      con.close()
    return render_template('index.html',users=users)

@app.route('/about')
def about():
    return render_template('about.html')
@app.route('/signin') def
signin():
    return render_template('signin.html')
@app.route('/signup') def
singup():
```

```

        return render_template('signup.html')
@app.route('/user/<id>') def user_page(id):      with
sql.connect('user_base.db') as con:
    con.row_factory=sql.Row          cur =con.cursor()
cur.execute(f'SELECT * FROM user WHERE email="{id}"')
user = cur.fetchall()      return
render_template("user_info.html", user=user[0])
@app.route('/accessbackend', methods=['POST','GET'])
def accessbackend():      if request.method ==
"POST":          try:
                firstname=request.form['firstname']
lastname=request.form['lastname']          e_mail=
request.form['email']
phone=request.form['phone']
password=request.form['password']
dob=request.form['dob']
                with sql.connect('user_base.db') as con:
                    cur =con.cursor()          cur.execute('INSERT
INTO user (firstname, lastname, email, phone, password, dob )
VALUES(?,?,?,?,?,?)',
(str(firstname),str(lastname),str(e_mail),str(phone),str(password),str(dob)))
con.commit()          msg='u r resgistered!'

except:
    con.rollback()
    msg='some error'

finally:
    print(msg)          return redirect(url_for('home'))
else:
try:
    tue=request.args.get('email')
tup=request.args.get('password')
print(tue,tup)          with
sql.connect('user_base.db') as con:
    con.row_factory=sql.Row
cur=con.cursor()
    cur.execute(f'SELECT password FROM user WHERE
email="{tue}"')          user= cur.fetchall()          except:
    print('error')

```

```

        con.rollback()            finally:            if
len(user) >0:                    if tup == user[0][0]:
                                return
redirect(url_for("user_page",id=tue))
print(user[0][0])                return redirect(url_for('signin'))

```

About.html:

```

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

{%block body%}
<main class="container mx-auto my-4 bg-light border " style="width:60%;">
<h1 class="p-2 border-bottom border-2">About page</h1>
<p>    this flask app is developed for basic understandign of pythonflask
</p> <p>    click <strong><a href="/signup" class=" btn btn-outline-success
py1">signup</a></strong> and <strong><a href="/signin" class=" btn
btnoutlinesuccess py-1">signin</a></strong> in the nav bar

</p>
</h1></main>
{% endblock%}

```

Base.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
    <link
href="https://cdn.jsdelivrivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOMLASjC"
crossorigin="anonymous">
    <script
src="https://cdn.jsdelivrivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min
.js" integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>

```

```

<!-- <link rel="stylesheet" href="{url_for('static',
filename='css/style.css')}" -->
{% block head%}{% endblock %}

</head>
<body style="background: linear-gradient(70deg, blue 10%, pink);">
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Navbar</a>
            <button class="navbar-toggler" type="button"
databs_toggle="collapse" data-bs-target="#navbarSupportedContent"
ariacontrols="navbarSupportedContent" aria-expanded="false"
arialabel="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="/">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="/signin">signin</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="/signup">signup</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="/about">about</a>
                    </li>
                    <li class="nav-item dropdown">
                        <a class="nav-link dropdown-toggle"
href="#" id="navbarDropdown" role="button" data-bs-
toggle="dropdown" ariaexpanded="false">
Dropdown
                        </a>
                        <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                            <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>
                </ul>
            </div>
        </div>
    </nav>

```

```

        <form class="d-flex">
            <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>

```

#### Index.html

```

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

{%block body%}
<main class="container mx-auto my-4 bg-light border border-2" style="width:
70%;">
<div class="p-4">
    <h1>Welcome to the flask app</h1>
    <h2>register user list </h2>
    <div>{% for user in users%}

        <div style="background: linear-gradient(to top,rgb(51,204,255), 20%,
cyan);" class="border rounded fs-4 p-1 px-2 mb-3" style="width: 40%;">
            {{ user["firstname"] + " " +user['lastname'] }}
            </div>
        {% endfor %}

    </div>
</div>
</main>
{% endblock%}

```

#### Signin.html

```

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

{%block body%}
<main class="container">
    <div class="mx-auto mt-5 border bg-light" style="width:500px;">
    <h2 class='mx-4 mt-2'>SINGIN</h2>
    <form action="{{url_for('accessbackend') }}" method="get">
        <div class="my-2 mx-4">

```

```

        <label for="email">Email</label>          <input type="email"
class="form-control" placeholder="adc@gmail.com" name="email" required />
</div>
        <div class="my-2 mx-4">
            <label for="password">password</label>
            <input type="password" class="form-control" name="password"
required />
        </div>
        <input type="submit" value="submit" class="btn btn-primary my-4 mt-2
"/>

    </form></div>
</main>
{% endblock%}

```

Signup:

```

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

{%block body%}<main class="container">
    <div class="mx-auto mt-5 border bg-light" style="width: 500px;">
        <h2 class="mx-4 mt-2">SIGNUP</h2>
        <form action="{{url_for('accessbackend')}}" method="post">
            <div class="my-2 mx-4">
                <label for="firstname">first name</label>
                <input type="text" class="form-control" placeholder="Ram"
name="firstname" required/>
            </div>
            <div class="my-2 mx-4">
                <label for="lastname">last name</label>
                <input type="text" class="form-control" placeholder="kumar"
name="lastname" required/>
            </div>
            <div class="my-2 mx-4">
                <label for="email">email</label>
<input type="text" class="form-control"
placeholder="abc@gmail.com" name="email" required/>
            </div>

            <div class="my-2 mx-4">
                <label for="phone">phone</label>
                <input type="text" class="form-control" placeholder="0987654321"
name="phone" required/>
            </div>
            <div class="my-2 mx-4">
                <label for="password">password</label>
                <input type="password" class="form-control" placeholder="password"
name="password" required/>
            </div>
            <div class="my-2 mx-4">

```

```

        <label for="dob">date of brith</label>
        <input type="date" class="form-control" name="dob" required/>
    </div>

    <input type="submit" value="submit" class="btn btn-primary my-4 my-2
mt-2" />
    </form>

</div>
</main>
{% endblock%}

```

Information database:

```

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

{%block body%}
<main class="container mx-auto my-4 bg-light border" style="width:70%;">
<div class="p-4">
    <h2>{{ user[0] + " " + user[1]}}</h2>
    <div class="border rounded fs-5 p-1 px-5 mb-3" style="width: 60%;">
        <span style="display: block;">first name:{{user[0]}}</span>
        <span style="display: block;">last name:{{user[1]}}</span>
        <span style="display: block;">email:{{user[2]}}</span>
        <span style="display: block;">phone:{{user[3]}}</span>
        <span style="display: block;">date of brith:{{user[5 ]}}</span>

    </div>

</div></main>
{% endblock%}

```

Database setup:

```

import
sqlite3
conn
=sqlite3.connect('user_base.db')
print('successfully database
opened')
conn.execute(' CREATE TABLE user(firstname TEXT, lastname TEXT,
email TEXT, phone TEXT, password TEXT, dob TEXT );') print("table
created") conn.close()

```

output:



Signup:

Signup page

127.0.0.1:5000/signup

Navbar: Home, signin, signup, about, Dropdown

Search

### SIGNUP

first name  
raj

last name  
jekar

email  
official@gmail.com

phone  
0987654321

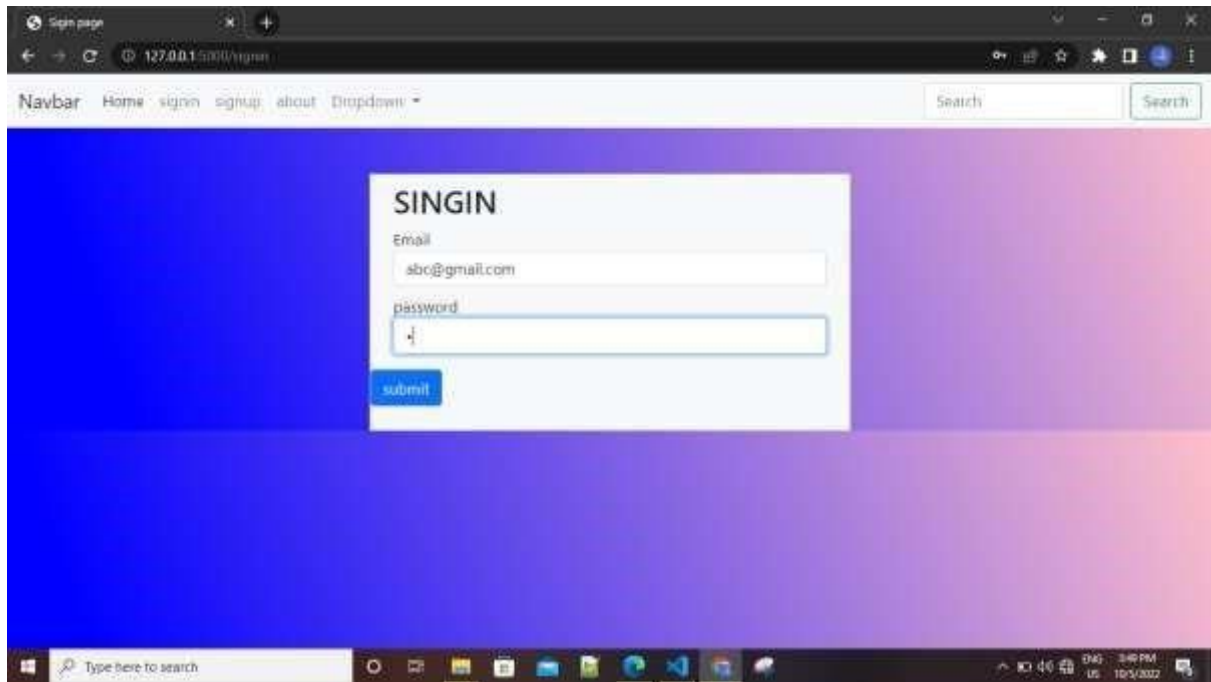
password  
.....

date of birth  
02/08/2002

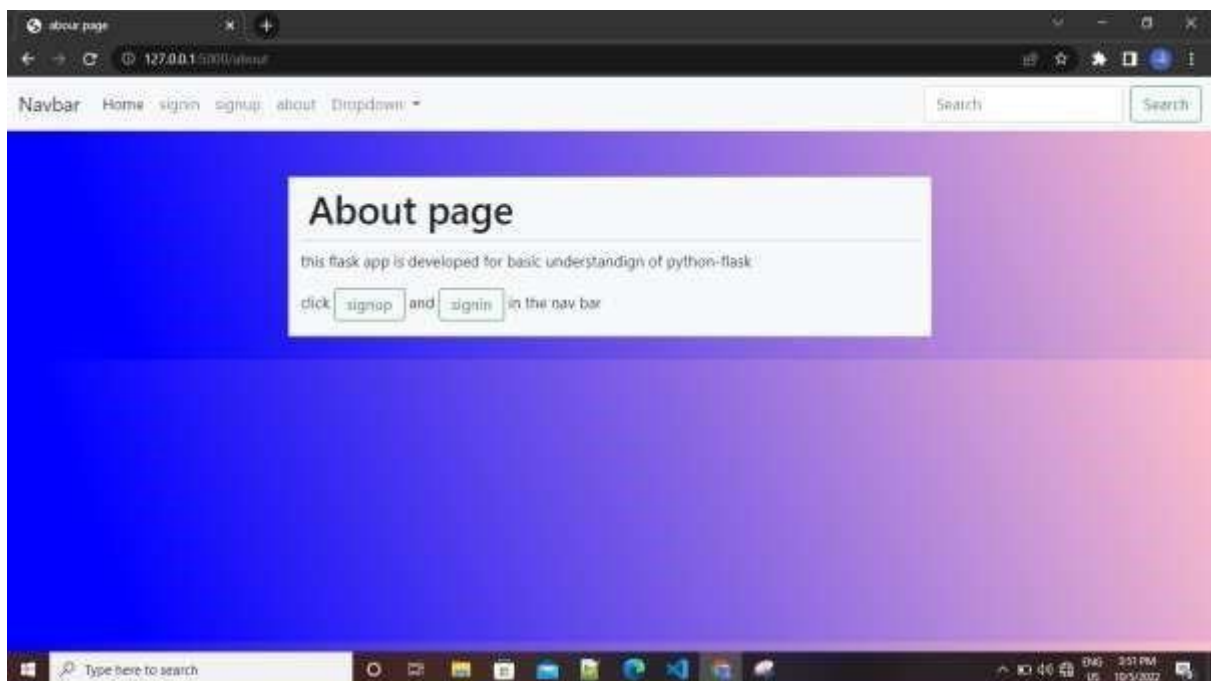
Type here to search

9:40 3:51 PM 10/3/2022

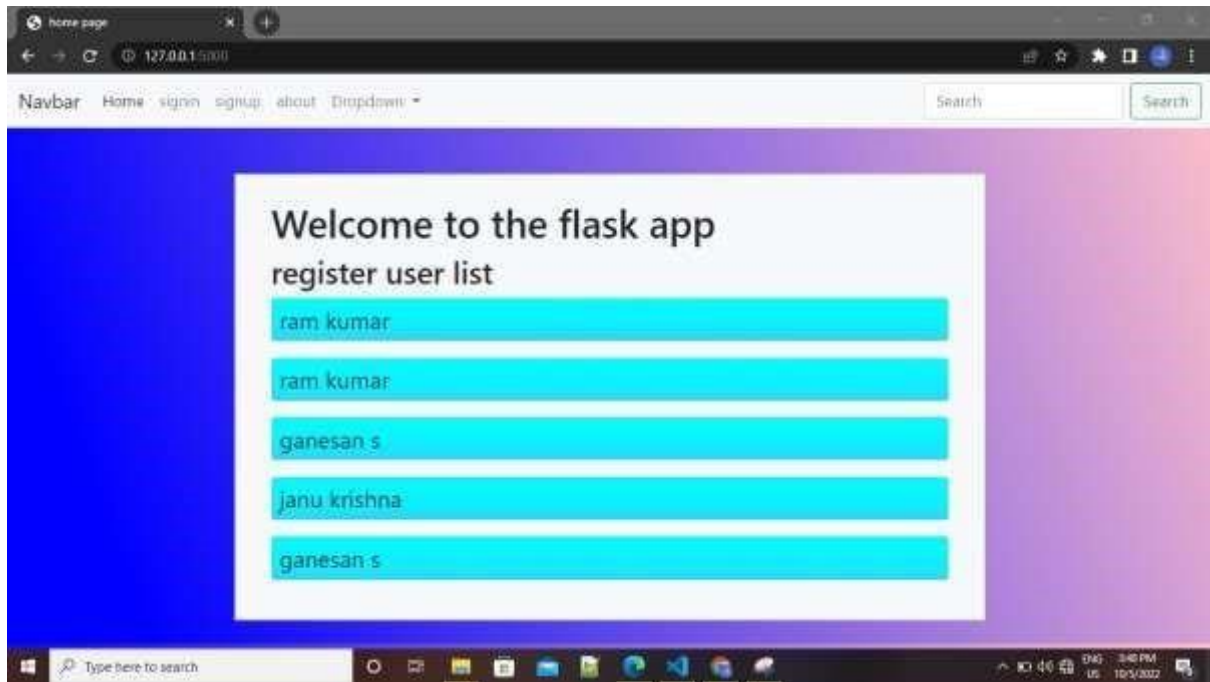
Sign in:



About:



Home page:



Database connectivity:

