Assignment -2

Pyth⊙n-flask Pr⊙gramming

| Assignment Date | 19 September 2022 |
|---------------------|-------------------|
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| Maximum Marks | 2 Marks |

Question-1:

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- 1. Create a Flask App
- 2. Add the H∞me page, About Page
- 3. Add the B∞otstrap
- 4. Add the Sign in page and App the Signup Page+ database c∞nnectivity

app.py:

```
fr∞m sĭte ĭmp∞rt USER_BASE
from flask import Flask, render_template, url_for, request, redirect
ĭmp⇔rt sqlĭte3 assql
app=Flask(__name__)
app•secret_key="shreesathyam"
@app•r⊙ute("/")
defhome():
 c∞n=sql•c∞nnect("user_base•db")
 c⊙n•r⊙w_fact⊙ry=sql•R⊙w
 cur=con•cursor()
 cur•execute(*select *fr∞m user*)
 users=cur•fetchall()
 c∞n•cl∞se()
 returnrender_template("index.html",users=users)
@app•r⊙ute(*/ab⊙ut*)
defab⊙ut():
 returnrender_template("about.html")
```

```
@app•r⊙ute("/signin")
defsignin():
 returnrender_template("signin_html")
@app•route("/signup")
defsingup():
 returnrender_template("signup.html")
@app•route("/user/«id>")
defuser_page(id):
 withsql-connect("user_base-db") as con:
   con•row_factory=sql•Row
   cur=c∞n•curs∞r()
   cur-execute(f*SELECT* FROM user WHERE email="{id}*")
   user = cur•fetchall()
 returnrender_template("user_infohtml", user=user[0])
@app•route(*/accessbackend*, methods=[*POST*,*GET*])
defaccessbackend():
 "frequest•meth⊙d == "P♡ST":
   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"]
    withsql-connect("user_base-db") as con:
      cur=con.cursor()
      cur-execute("INSERTINTO user (firstname, lastname, email, phone, password, dob) VALUES(?,?,?,?,?
,?)°, (str(firstname),str(lastname),str(e_mail),str(phone),str(password),str(dob)))
      c⊙n•c⊙mmit()
      msg="urresgistered;"
   except:
    c∞n•rollback()
    msg=*someerror*
   finally
    print(msg)
    return red rect(url_for(home))
 else:
   try:
    tue=request.args.get("email")
    tup=request.args.get("password")
    print(tue,tup)
    withsql-connect("user_base-db") as con:
      c⊙n•r⊙w_fact⊙ry=sql•R⊙w
      cur=c⊙n•curs⊙r()
```

```
cur-execute(f*SELECT password FROM userWHERE email="{tue}"")
user= cur-fetchall()

except*
print("error")
con-rollback()
finally*
iflen(user) >0*
iftup== 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 %}
{% bl∞ck head %}
<tĭtle>ab⊙urpage</tĭtle>
{% endblock%}
{%block body%}
<mainclass="c∞ntainermx-aut∞my-4bg-lightb∞rder"style="width:60"/₄;">

<h1class=*p-2 border-bottom border-2*
<pre>
About page
/h1>

this flaskapp is developed for basic understandign of python-flask
4/p>
«p»
 click «str⊙ng» «ahref="/signup" class="btnbtn-⊙utline-success py-1" » signup «/a» «/str⊙ng» and
<str⊙ng><ahref="/signin"class="btnbtn-⊙utline-successpy-1">signin</a></str⊙ng>inthenavbar
«/p»
</hl>
{% endblock%}
```

Base•html

```
<!--«linkrel="stylesheet" href="{{url_for("static",filename="css/style.css")}}">-->
{% block head%}{% endblock %}
</head>
<b⇔dystyle="backgr∞und:"linear-gradient(70deg, blue 10%, pink);">
 <navclass="navbarnavbar-expand-lgnavbar-lightbg-light">
  <aclass="navbar-brand"href="#">Navbar</a>
pp©rtedC©ntent"aria-c©ntr©ls="navbarSupp©rtedC©ntent"aria-expanded="false"aria-label="T©ggl
e navigatĩ⊙n 🆫
   </br>
description
   divclass="c♡llapse navbar-c♡llapse"id="navbarSupp♡rtedC⊙ntent">
    «ulclass=*navbar-nav me-aut♡ mb-2 mb-lg-0*>
    «liclass="nav-item">
     «aclass="nav-linkactive"aria-current="page"href="/">H⊙me</a>
    «liclass="nav-item">
     <aclass="nav-link"href="/signin">signin</a>
    «liclass="nav-item">
     <aclass="nav-link"href="/signup">signup</a>
    «liclass="nav-item">
     <aclass="nav-link"href="/about">about</a>
    <aclass="nav-link"
dropdown-toggle"href="#"id="navbarDropdown"role="button"data-bs-toggle="dropdown"aria-e
xpanded="false">
     Dropdown
     </a>

«ulclass="dr∞pd∞wn-menu"aria-labelledby="navbarDr∞pd∞wn">
     «li» «aclass="dropdown-item"href="#"»Action«/a»«/li»
     «li» <aclass="dropdown-item"href="#">Anotheraction</a>
     «li» < hrclass= "dropdown-divider" > 
     «li» «aclass="dropdown-item" href="#">Something else here «/a» «/li»
     <formclass=*d-flex*>

«inputclass="form-control me-2"type="search"placeholder="Search"aria-label="Search">

    </form>
```

Index•html

```
{% extends base html %}
{% bl∞ck head %}
<title>h∞me page</title>
{% endblock%}
{%blockbody%}
<mainclass="c∞ntainermx-aut∞my-4bg-lightb∞rderb∞rder-2"style="width:70"/.;">
<divclass="p-4">
 <a href="mailto:shapp"><a href="mailto:h1">h1>Welc⊙met⊙theflaskapp</a>/h1>
 %h2>registeruserlist
  <div>{% for user in users %}

«div style="background:linear-gradient(totop,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%}
 </dĭv>
</div>
</main>
{% endblock%}
```

Signin-html

```
{"/_ extends"base_html""/_}

{"/_ block head"/_}

«title" Sigin page «/title"

{"/_ endblock"/_}

{"/_ endblock"/_}

{"/_ block body"/_}

«mainclass="container"

«divclass="mx-automt-5 border bg-light"style="width"500px;"

«h2class="mx-4 mt-2" SINGIN «/h2"

«formaction="{{url_for("accessbackend")}}"method="get"

«divclass="my-2 mx-4">
```

Signup:

```
{% extends base html %}
{% bl∞ck head %}
<title>Signup page</title>
{% endblock%}
{"/"bl∞ckb∞dy"/"}<mainclass="c∞ntainer">
 divclass="mx-automt-5borderbg-light"style="width:500px;">
 <h2class=*mx-4 mt-2*>SIGNUP</h2>

   divclass="my-2 mx-4">
     «labelfor="firstname">firstname«/label»
     "inputtype="text"class="f∞rm-c∞ntr∞l"placeh∞lder="Ram"name="fĭrstname"requĭred/>
   </div>
   «labelfor="lastname">lastname</label>
     "inputtype="text"class="form-control"placeholder="kumar"name="lastname"required/>
   </div>
   «labelfor="email">email</label>
<inputtype="text"class="f∽rm-c∽ntr∽l"placeh∽lder="abc@gmail•c∽m"name="email"required/>
   </div>
   «labelfor="phone">phone </label>
     "inputtype="text"class="form-control"placeholder="0987654321"name="phone"required/>
   </dĭv>
   divclass="my-2 mx-4">
     «labelfor="password">password</label>
"inputtype="password"class="form-control"placeholder="password"name="password"required/>
   </div>
   «labelfor="dob">dateof brith
```

Information database:

```
{% extends base html %}
{% bl∞ck head %}
<tĭtle>h⊙me page</tĭtle>
{% endblock%}
{%block body%}
<mainclass="c∞ntainer mx-aut∞ my-4 bg-light b∞rder"style="width:70"/";">
<dïvclass="p-4">
 <h2>{{user[0] + + + user[1]}}</h2>
 divclass="border rounded fs-5 p-1 px-5 mb-3"style="width: 60"/.;">
   «spanstyle="display: block;">first name:{{user[0]}}</span>

«spanstyle="display: block;">lastname:{{user[1]}}</span>

   spanstyle="display: block;">email:{{user[2]}}</span>

«spanstyle="display: block;">phone:{{user[3]}}</span>

«spanstyle="display: block;">date of brith:{{user[5]}}
/span>
 </div>
</div></main>
{% endbl⇔ck%}
```

Database setup:

```
import sqlite3

conn=sqlite3.connect("user_base.db")

print("successfully database opened")

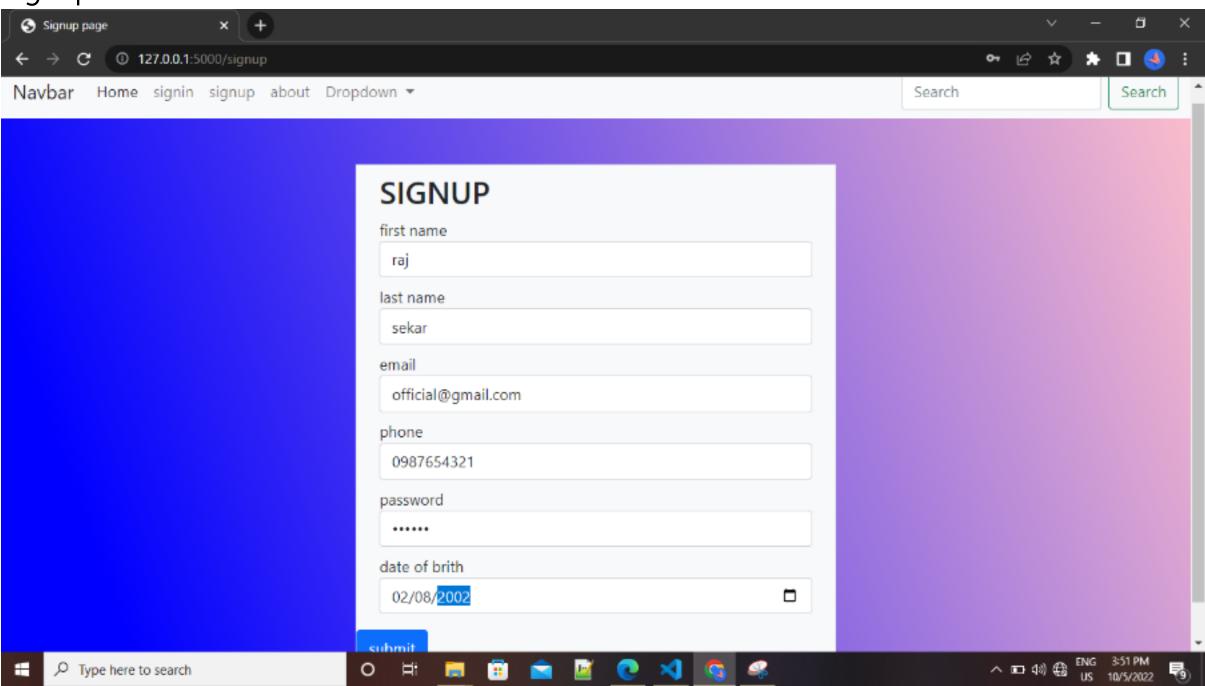
conn.execute("CREATE TABLE user(firstname TEXT, lastname TEXT, email TEXT, phone TEXT, password TEXT, dob TEXT);")

print("table created")

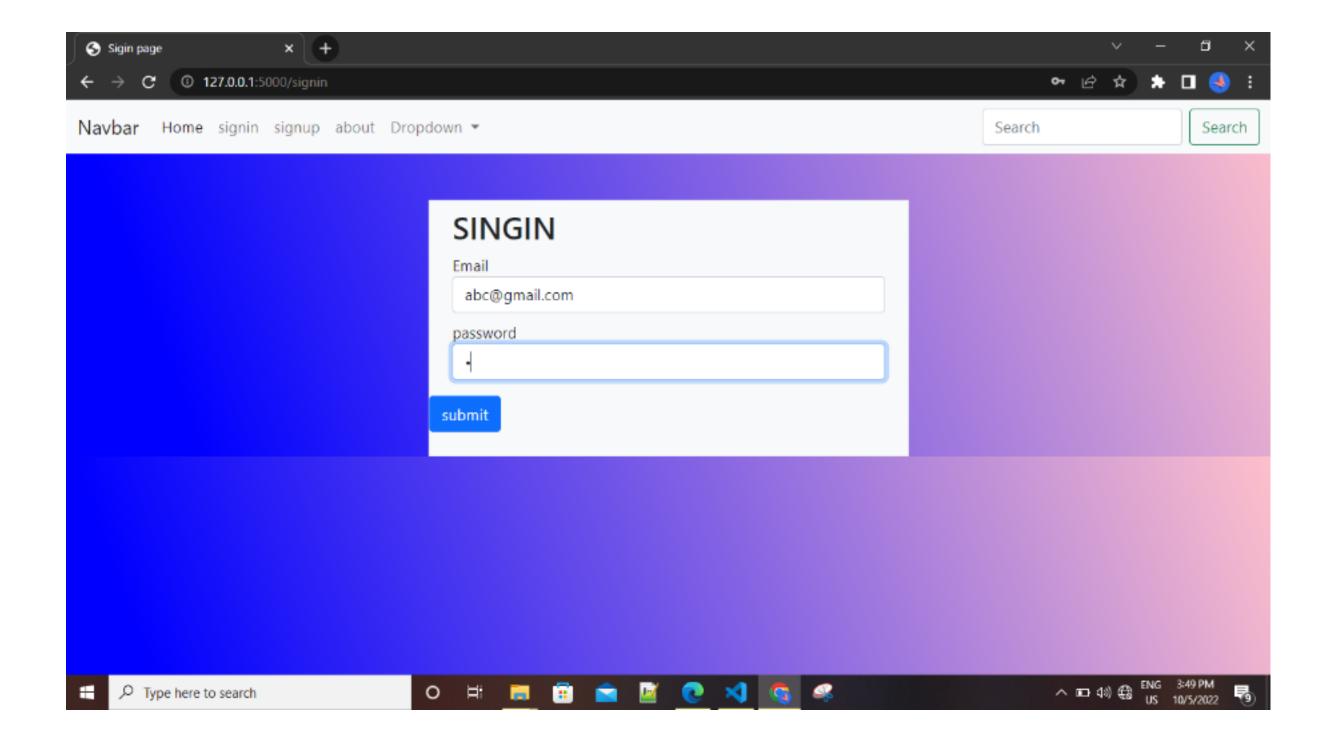
conn.close()
```

output:

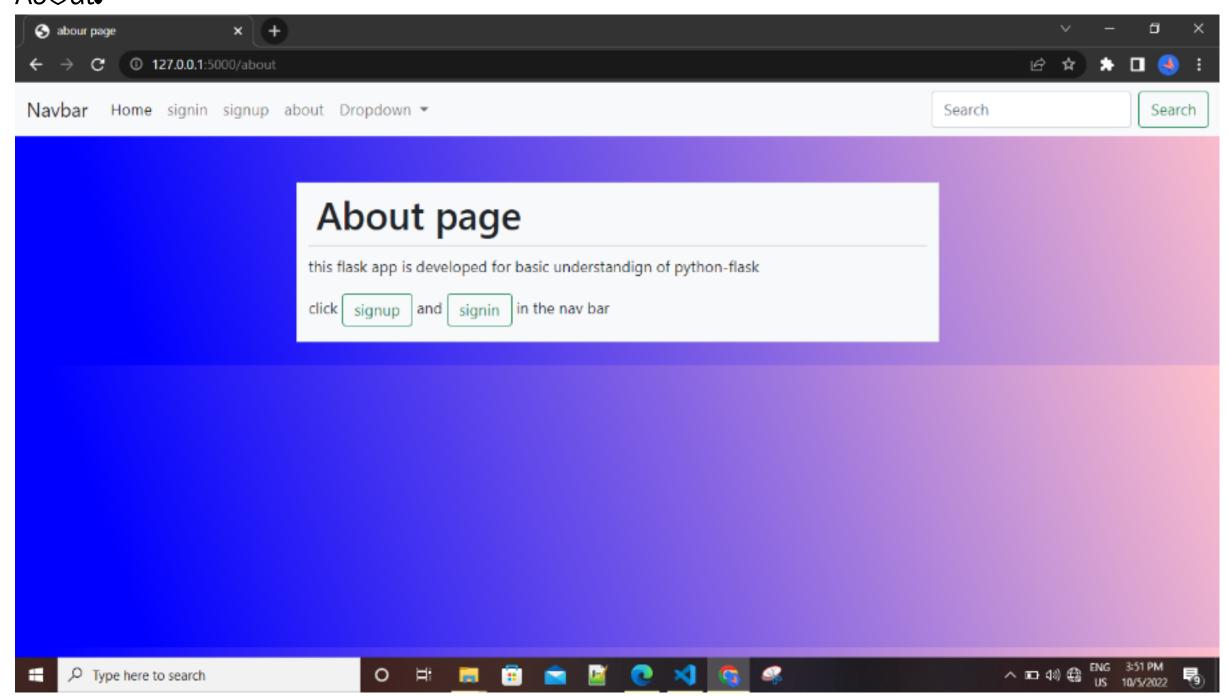
Signup:



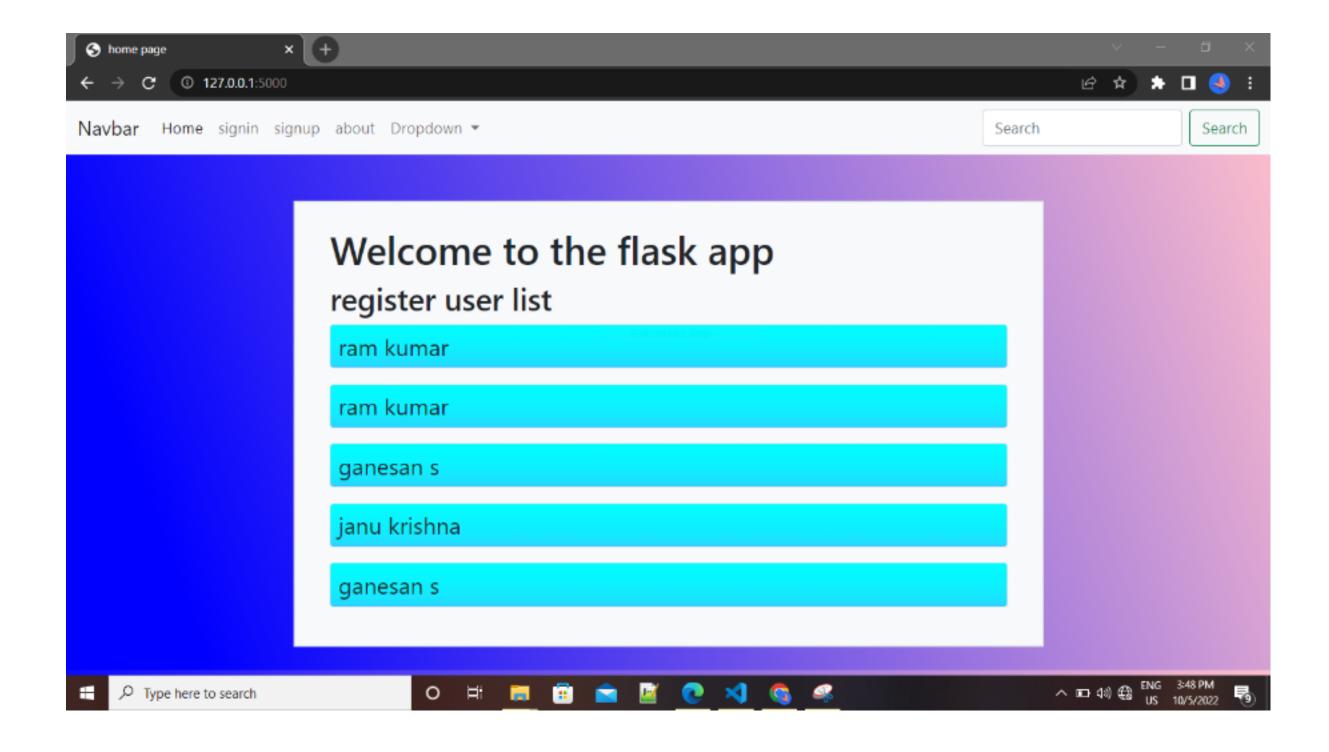
Singin:pagdsfsdsfsda



About**:**



H∞me page:



Database c⇔nnectivity:

