

Assignment - 2
Flask Application

Assignment Date	19 September 2022
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Maximum Marks	2 Marks

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 add the Signup Page with database connectivity
5. **Using Database**

Index.html

```
<html>
  <head>
    <title>Home Page</title>
    <link rel="stylesheet" href="static/css/style_index.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css"/>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

  </head>
<body>

<nav>
  <div class="logo">GCE-SALEM</div>
  <input type="checkbox" id="click">
  <label for="click" class="menu-btn">
    <i class="fas fa-bars"></i>
  </label>
  <ul>
    <li><a class="active" href="#">Home</a></li>
    <li><a href="{{url_for('signup')}}">SIGN UP </a></li>
    <li><a href="{{url_for('signin')}}">LOGIN IN</a></li>

  </ul>
</nav>
<div><h1>Welcome to GCE-SALEM </h1></div>

</body>
</html>
```

Signin.html

```
<!DOCTYPE html>
<html>
<head>
  <title>Login Page</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <h2>Login Page</h2><br>
  <div class="login">
    <form id="login" method="Post" action="/signin">
      <label><b>User Name</b>
      </b>
      </label>
      <input type="text" name="Uname" id="Uname" placeholder="Username">
      <br><br>
      <label><b>Password</b>
      </b>
      </label>
      <input type="Password" name="Pass" id="Pass"
placeholder="Password">
      <br><br>
      <input type="submit" name="log" id="log" value="Log In Here">
      <br><br>
      <input type="checkbox" id="check">
      <span>Remember me</span>
      <br><br>
      <a href="#"> Forgot Password</a>
    </form>
  </div>
</body>
</html>
```

signup.html

```
<!DOCTYPE html>
<html>
<head>
  <title>signup Form</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <h2>SignUp Page</h2><br>
  <div class="login">
    <form id="login" method="Post" action="/signup">
      <label><b>User Name</b>
      </b>
      </label>
```

```

        <input type="text" name="Uname" id="Uname" placeholder="Username">
        <br><br>
        <label><b>Password
        </b>
        </label>
        <input type="Password" name="Pass" id="Pass"
placeholder="Password">
        <br><br>
        <input type="button" name="log" id="log" value="SignUp Here">
        <br><br>

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

```

app.py

```

from flask import Flask,
render_template,request,flash,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 customer(email text,password text)")
con.close()

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

@app.route('/signin',methods=["GET","POST"])
def login():
    if request.method=='POST':
        email=request.form['Uname']
        password=request.form['Pass']
        con=sqlite3.connect("database.db")
        con.row_factory=sqlite3.Row
        cur=con.cursor()
        cur.execute("select * from customer where email=? and
password=?", (email,password))

        data=cur.fetchone()
        if data:

```

```

        flash('Successfully signed in')
    else:
        flash("Username and Password Mismatch", "danger")
    return redirect(url_for("index"))

@app.route('/signup', methods=["GET", "POST"])
def signup():
    if request.method == 'POST':
        try:
            email = request.form['Uname']
            password = request.form['Pass']
            con = sqlite3.connect("database.db")
            cur = con.cursor()
            cur.execute("insert into
customer(email,password) values(?,?)", (email, password))

            con.commit()
            flash("Record Added Successfully", "success")
        except:
            flash("Error in Insert Operation", "danger")
        finally:
            con.close()
    return redirect(url_for("index"))

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

```

style_index.css

```

@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600
;700&display=swap');
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}
nav{
    display: flex;
    height: 80px;
    width: 100%;
    background: #1b1b1b;
    align-items: center;
    justify-content: space-between;

```

```
padding: 0 50px 0 100px;
flex-wrap: wrap;
}
nav .logo{
color: #fff;
font-size: 35px;
font-weight: 600;
}
nav ul{
display: flex;
flex-wrap: wrap;
list-style: none;
}
nav ul li{
margin: 0 5px;
}
nav ul li a{
color: #f2f2f2;
text-decoration: none;
font-size: 18px;
font-weight: 500;
padding: 8px 15px;
border-radius: 5px;
letter-spacing: 1px;
transition: all 0.3s ease;
}
nav ul li a.active,
nav ul li a:hover{
color: #111;
background: #fff;
}
nav .menu-btn i{
color: #fff;
font-size: 22px;
cursor: pointer;
display: none;
}
input[type="checkbox"]{
display: none;
}
@media (max-width: 1000px){
nav{
padding: 0 40px 0 50px;
}
}
@media (max-width: 920px) {
nav .menu-btn i{
display: block;
```

```

}
#click:checked ~ .menu-btn i:before{
  content: "\f00d";
}
nav ul{
  position: fixed;
  top: 80px;
  left: -100%;
  background: #111;
  height: 100vh;
  width: 100%;
  text-align: center;
  display: block;
  transition: all 0.3s ease;
}
#click:checked ~ ul{
  left: 0;
}
nav ul li{
  width: 100%;
  margin: 40px 0;
}
nav ul li a{
  width: 100%;
  margin-left: -100%;
  display: block;
  font-size: 20px;
  transition: 0.6s cubic-bezier(0.68, -0.55, 0.265, 1.55);
}
#click:checked ~ ul li a{
  margin-left: 0px;
}
nav ul li a.active,
nav ul li a:hover{
  background: none;
  color: cyan;
}
}
.content{
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  text-align: center;
  z-index: -1;
  width: 100%;
  padding: 0 30px;
  color: #1b1b1b;
}

```

```

}
.h1{
  margin-top:250pt;
  margin-left: 200px;
  margin-right: 250px;
}
.content div{
  font-size: 40px;
  font-weight: 700;
}

```

Style.css

```

body
{
  margin: 0;
  padding: 0;
  background-color:white;
  font-family: 'Poppins', sans-serif;
}
.login{
  width: 382px;
  overflow: hidden;
  margin: auto;
  margin: 20 0 0 450px;
  padding: 80px;
  background-color:black;
  border-radius: 35px ;
}
h2{
  text-align: center;
  color:black;
  padding: 20px;
}
label{
  color: white;
  font-size: 17px;
}
#Uname{
  width: 300px;
  height: 30px;
  border: none;
  border-radius: 3px;
  padding-left: 8px;
}
#Pass{

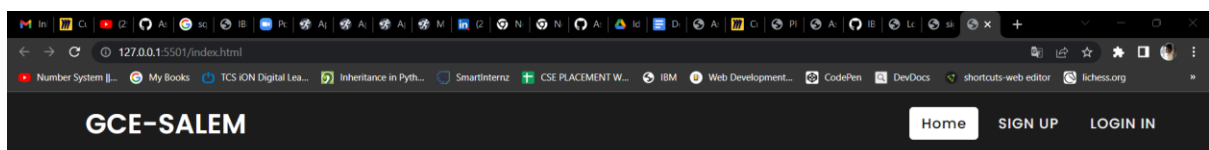
```

```

width: 300px;
height: 30px;
border: none;
border-radius: 3px;
padding-left: 8px;
}
#log{
width: 300px;
height: 30px;
border: none;
border-radius: 35px;
padding-left: 7px;
color: black;
}
span{
color: white;
font-size: 17px;
}
a{
float: left;
}
}

```

OUTPUT



Welcome to GCE-SALEM

SignUp Page

User Name

Password

Login Page

User Name

Password

☐ Remember me

[Forgot Password](#)