Project Development Phase Delivery of
Sprint-1

Date	9November 2022
Team ID	PNT2022TMID17615
Project Name	Inventory Management System For Retailer

app.py creating flak
application

```python
from __future__import print_function
from flask import Flask, render_template, url_for, request, redirect, session
import sqlite3 as sql import re import ibm_db
conn =ibm_db.connect("DATABASE=bludb;HOSTNAME=01c77d6f2-5da9-48a9-81f8-
86b520b87518.bs2io90l08kqb1od8lcg1.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;S
SLServerCertificate=DigiCertGlobalRootCA.crt;UID=hgt43191;PWD=pG1XZqjaI1xcDGA8",",")

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

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




@app.route('/user/<id>') def
user_info(id):
    with sql.connect('inventorymanagement.db') as con:
        con.row_factory=sql.Row
cur =con.cursor()
        cur.execute(f'SELECT * FROM register WHERE email="{id}"')
user = cur.fetchall()
    return render_template("user_info.html", user=user[0])

@app.route('/login',methods =['GET', 'POST'])
def login():    global userid
    msg = ''



    if request.method == 'POST' :
        un = request.form['username']
pd = request.form['password_1']
        sql = "SELECT * FROM register WHERE username =? AND
password_1=?"        stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,un)        ibm_db.bind_param(stmt,2,pd)
ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
```

```python
        print (account)
if account:
        session['loggedin'] = True          session['id']
= account['USERNAME']                        userid=
account['USERNAME']          session['username'] =
account['USERNAME']
        msg = 'Logged in successfully !'

        return render_template('index.html', msg = msg)
else:
        msg = 'Incorrect username / password !'
   return render_template('signin.html', msg = msg)


@app.route('/accessbackend', methods=['POST','GET'])
def accessbackend():    mg=''    if request.method ==
"POST":        username=request.form['username']
email=request.form['email']
pw=request.form['password']        sql='SELECT *
FROM register WHERE email =?'        stmt =
ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,email)
ibm_db.execute(stmt)
acnt=ibm_db.fetch_assoc(stmt)
     print(acnt)

     if acnt:
        mg='Account already exits!!'

     elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
mg='Please enter the avalid email address' elif not
re.match(r'[A-Za-z0-9]+', username):
        ms='name must contain only character and number'
else:
        insert_sql='INSERT INTO register VALUES (?,?,?,?,?,?)'
pstmt=ibm_db.prepare(conn, insert_sql)
ibm_db.bind_param(pstmt,1,username)
ibm_db.bind_param(pstmt,2,"firstname")
ibm_db.bind_param(pstmt,3,"lastname")
ibm_db.bind_param(pstmt,4,"123456789")
ibm_db.bind_param(pstmt,5,email)
ibm_db.bind_param(pstmt,6,pw)          ibm_db.execute(pstmt)
        mg='You have successfully registered click signin!!'
        return render_template("signin.html")
```

```python
    elif request.method == 'POST':
msg="fill out the form first!"     return
render_template("signup.html",meg=mg)


if __name__ == '__main__':

app.run(debug=True)
```

TEMPLATES:

base. html

```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.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
<script src="https://cdn.jsdelivr.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>



  <div class="container mt-5">
    {% block body %} {% endblock %}
  </div>
</body>
</html>
```

index.html- Dashboard page

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

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Sidebar Menu</title>
  <link href='https://unpkg.com/boxicons@2.0.9/css/boxicons.min.css' rel='stylesheet'>
  <link rel="stylesheet" href="static/css/style.css">
</head>

<body>

<nav>

  <div class="search">
   <i class='bx bx-search'></i>
   <input type="text" class="hide" placeholder="Quick Search ...">
</div>

  <div class="sidebar-links">
   <ul>
    <div class="active-tab"></div>
    <li class="tooltip-element" data-tooltip="0">
     <a href="#" class="active" data-active="0">
       <div class="icon">
        <i class='bx bx-tachometer'></i>
        <i class='bx bxs-tachometer'></i>
       </div>
       <span class="link hide">Dashboard</span>
      </a>
    </li>
    <li class="tooltip-element" data-tooltip="1">
     <a href="#" data-active="1">
       <div class="icon">
        <i class='bx bx-folder'></i>
        <i class='bx bxs-folder'></i>
       </div>
       <span class="link hide">Products</span>
```

```html
      </a>
    </li>
    <li class="tooltip-element" data-tooltip="2">
      <a href="#" data-active="2">
        <div class="icon">
          <i class='bx bx-message-square-detail'></i>
          <i class='bx bxs-message-square-detail'></i>
        </div>
        <span class="link hide">Add items</span>
      </a>
    </li>
    <li class="tooltip-element" data-tooltip="3">
      <a href="#" data-active="3">
        <div class="icon">
          <i class='bx bx-bar-chart-square'></i>
          <i class='bx bxs-bar-chart-square'></i>
        </div>
        <span class="link hide">Remove items</span>
      </a>
    </li>
    <div class="tooltip">
      <span class="show">Dashboard</span>
      <span>Projects</span>
      <span>Messages</span>
      <span>Analytics</span>
    </div>

    <li class="tooltip-element" data-tooltip="1">
      <a href="#" data-active="5">
        <div class="icon">
          <i class='bx bx-help-circle'></i>
          <i class='bx bxs-help-circle'></i>
        </div>
        <span class="link hide">Help</span>
      </a>
    </li>
    <li class="tooltip-element" data-tooltip="2">
      <a href="#" data-active="6">
        <div class="icon">
          <i class='bx bx-cog'></i>
          <i class='bx bxs-cog'></i>
        </div>
        <span class="link hide">Settings</span>
      </a>
    </li>
    <div class="tooltip">
      <span class="show">Tasks</span>
      <span>Help</span>
      <span>Settings</span>
    </div>
  </ul>
```

```html
            </div>

            <div class="sidebar-footer">
              <a href="#" class="account tooltip-element" data-tooltip="0">
                <i class='bx bx-user'></i>
              </a>
              <div class="admin-user tooltip-element" data-tooltip="1">
                <div class="admin-profile hide">
                  <img src="./img/face-1.png" alt="">
                  <div class="admin-info">
                    <h3>Ganesh</h3>
                    <h5>user</h5>
                  </div>
                </div>
                <a href="#" class="log-out">
                  <i class='bx bx-log-out'></i>
                </a>
              </div>
              <div class="tooltip">
                <span class="show">Ganesh</span>
                <span>Logout</span>
              </div>
            </div>
          </nav>
          <main>
            <h1>My Dashboard</h1>
          </main>
          <script src="static/js/app.js"></script>

</body></html>
```

signin.html –sigin page

```html
{% extends 'base.html '%}
{% block head %}
<title>Sigin 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'>LOGIN</h2>
    <form action="{{url_for('login') }}" method="post">
       <div  class="mx-4 mt-2 text-danger">{{ msg }}</div>
       <div class="my-2 mx-4">
          <label for="username">username</label>
          <input type="text" class="form-control" placeholder="adc@gmail.com" name="username"
required />
       </div>
       <div class="my-2 mx-4">
```

```
        <label for="password_1">password</label>
        <input type="password" class="form-control"  name="password_1" required />
      </div>
      <input type="submit" value="submit" class="btn btn-primary my-4 mt-2 mx-4"/>


    </form>
    <p>Don't have an account?<a href="{{ url_for('accessbackend') }}"> Sign
Up</a></div></main></p>

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

signup.html-Registration page

```
{% 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">REGISTER FORM</h2>
   <div class="mx-4 mt-2 text-danger">{{ meg }}</div>
   <form action="{{url_for('accessbackend') }}" method="post">


<div class="my-2 mx-4">
       <label for="username">User name</label>
       <input type="text" class="form-control" placeholder="Ram" name="username" 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="password">password</label>
       <input type="password" class="form-control" placeholder="password" name="password"
required/>
     </div>
     <div class="my-2 mx-4">
       <label for="retype">retype password</label>
       <input type="password" class="form-control" placeholder="password" name="retype"
required/>
     </div>

     <input type="submit" value="submit" class="btn btn-primary my-4 my-2 mt-2 mx-4" />
     <div class="note mt-3 text-center"> <!--Register form -->
       <p> already have an account ? please <a href="/signin">signin! </a> </p>

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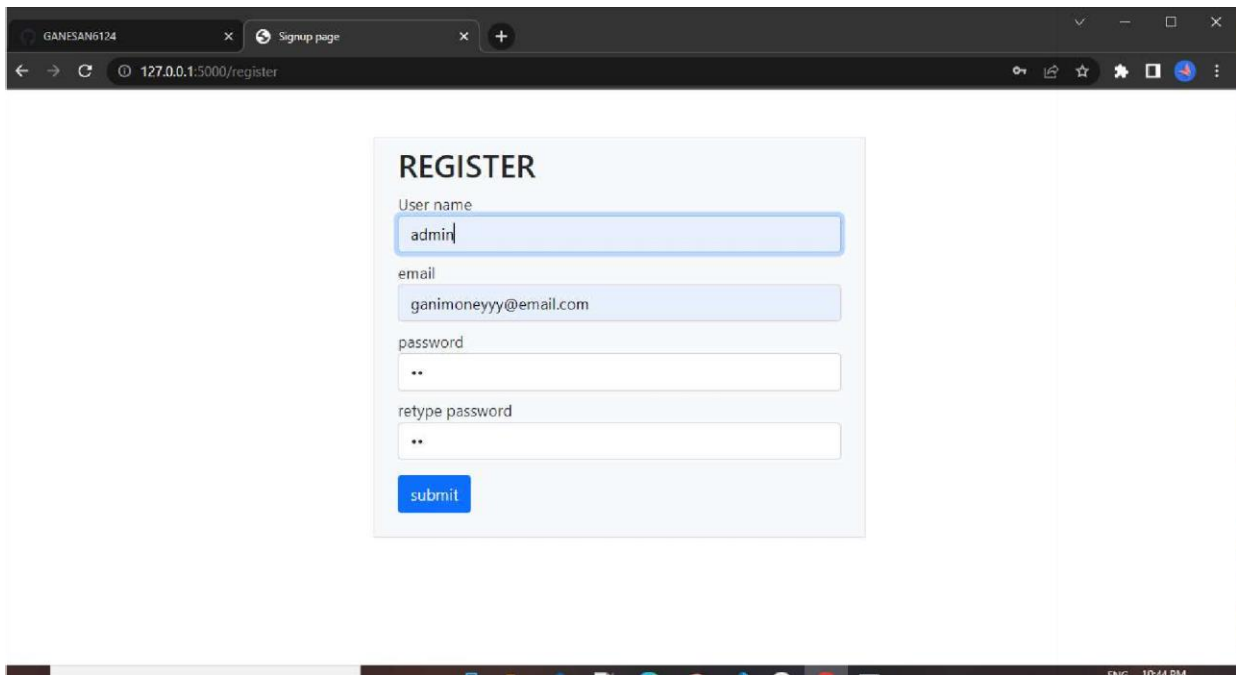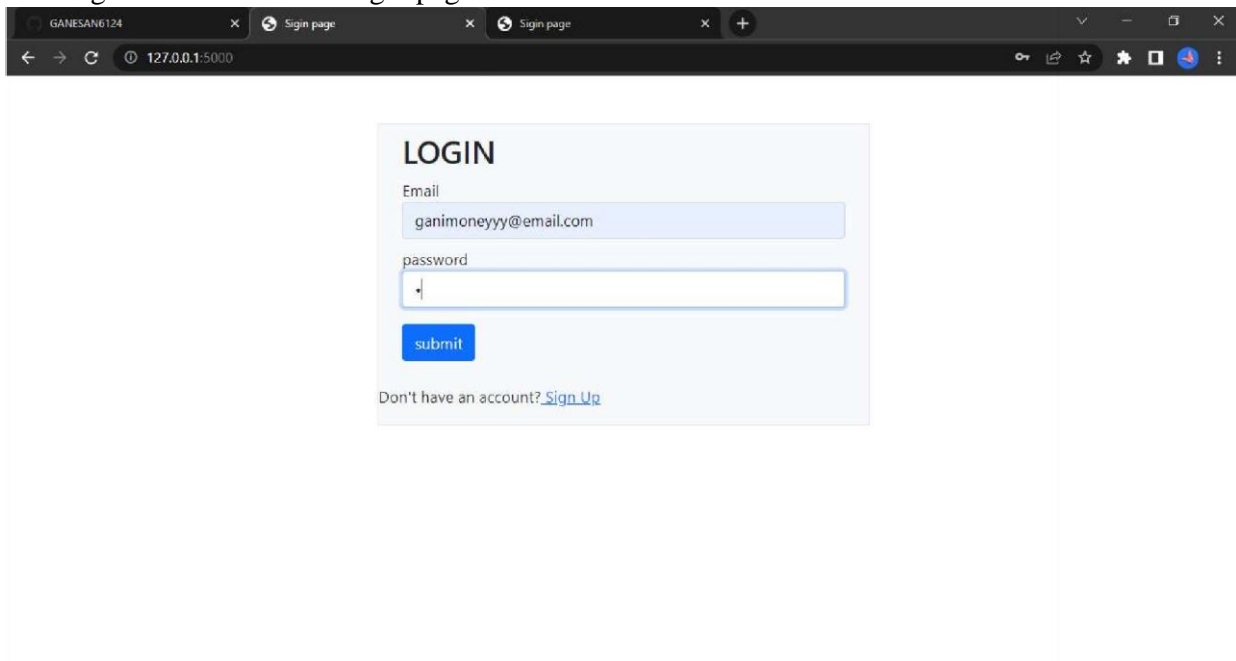
```
        </form>

    </div>
</main>
{% endblock%}
```
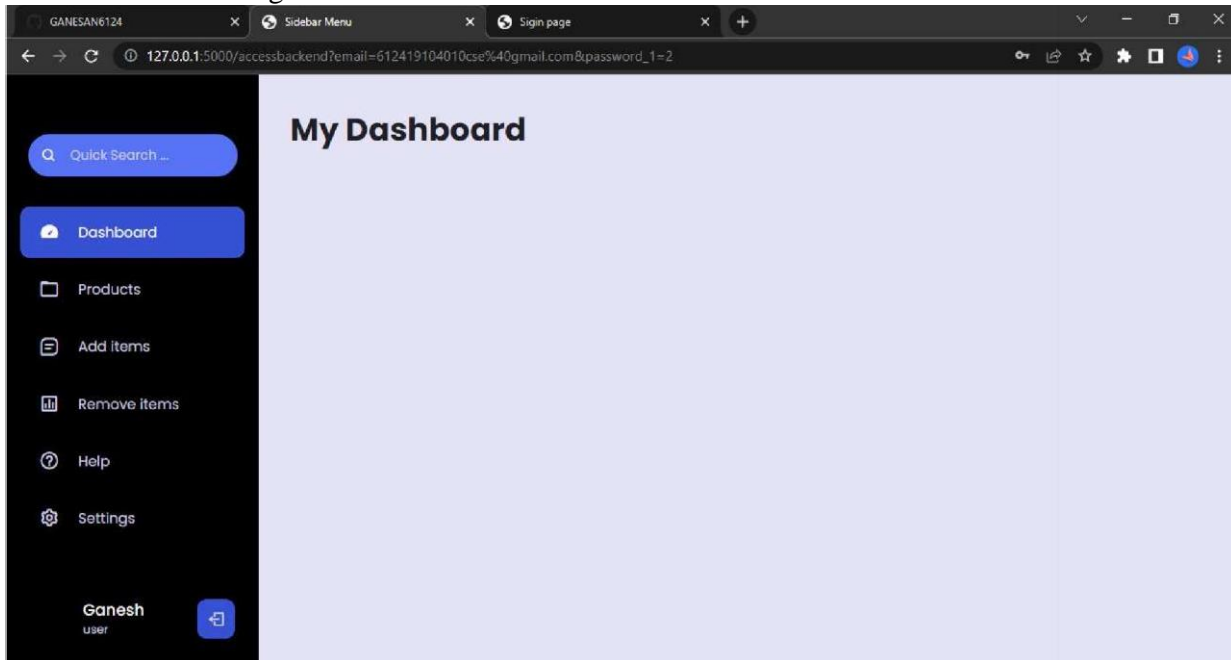
Output:
Login page

Registraion page:

After registration redirect to login page:

After the successful login redirect to the dashboard:

Email comfirmation: