

Date	3 November 2022
Team ID	PNT2022TMID21838
Project Name	Inventory Management System For Retailer

app.py creating flask
application

```
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.bs2io90l08kqb1od8lclg1.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)
    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 exists!!'

    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")

```

```

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

```

```
if __name__ == '__main__':
```

```
app.run(debug=True)
```

TEMPLATES:

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.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

```
<!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>
        </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>
</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">
      
      <div class="admin-info">
        <h3>Ganesh</h3>
        <h5>user</h5>
      </div>
    </div>
  </div>
</div>

```

```

        </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 –signin page

```

{% 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">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

LOGIN

Email
adc@gmail.com

password

submit

Don't have an account? [Sign Up](#)

Registraion page:

REGISTER

User name
admin

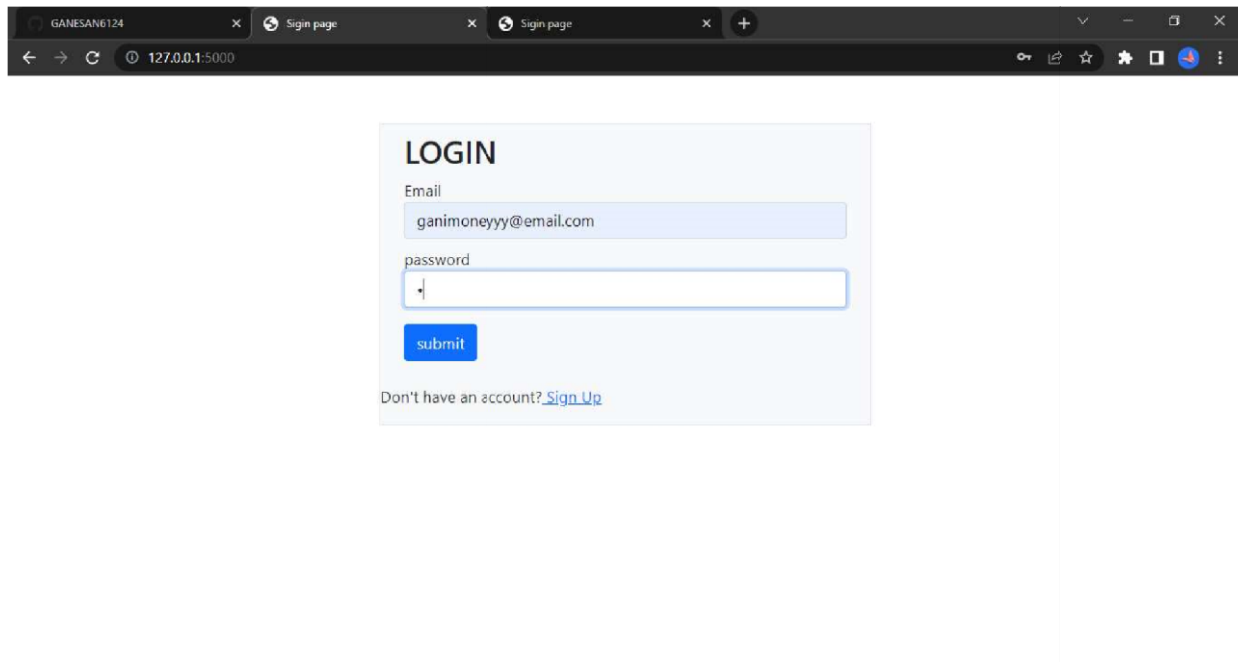
email
ganimoneyyy@email.com

password
..

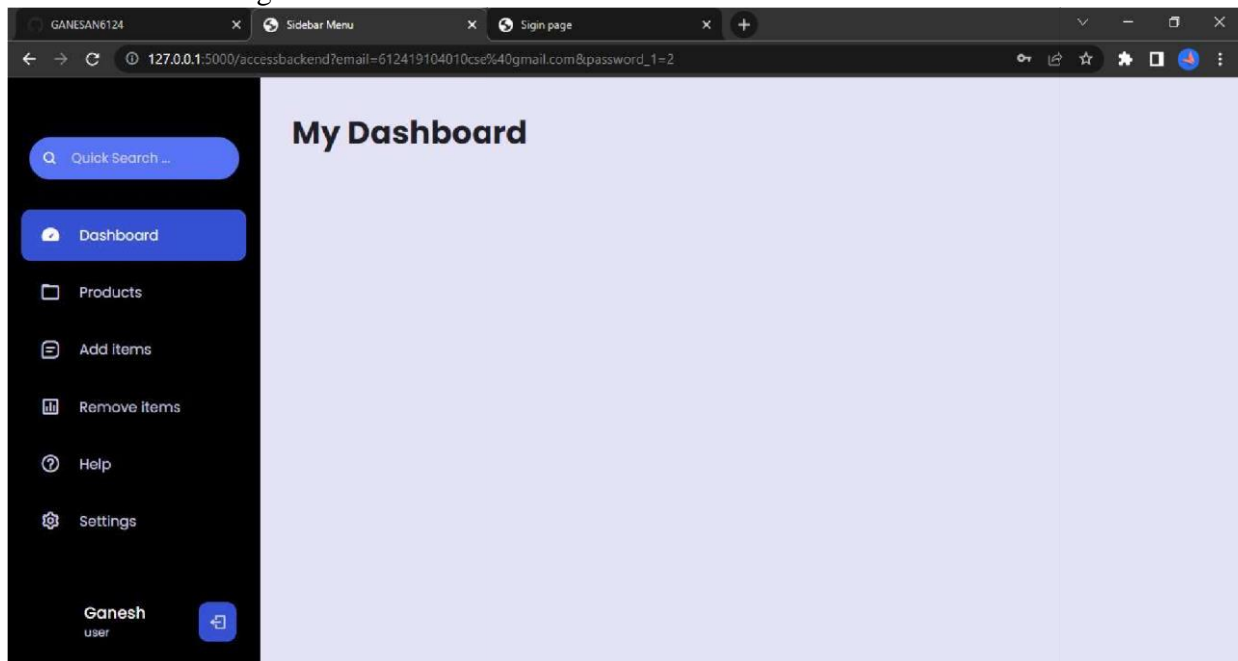
retype password
..

submit

After registration redirect to login page:



After the successful login redirect to the dashboard:



Email confirmation:

