# Project Development Phase Delivery of Sprint-1

Date	2November 2022
Team ID	PNT2022TMID41025
Project Name	Inventory Management System For Retailer

## app.py creating flak 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.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)
```

```
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")
```

```
return render_template("signup.html",meg=mg)
```

```
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">
k href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuC0mLASiC"
crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"</pre>
integrity="sha384-
MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
<!-- <li>k 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

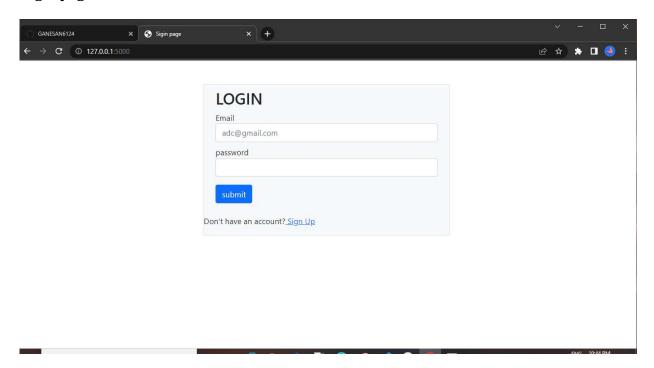
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Sidebar Menu</title>
<link href='https://unpkg.com/boxicons@2.0.9/css/boxicons.min.css' rel='stylesheet'>
<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">
  <div class="active-tab"></div>
   <a href="#" class="active" data-active="0">
     <div class="icon">
      <i class='bx bx-tachometer'></i>
      <i class='bx bxs-tachometer'></i>
     <span class="link hide">Dashboard</span>
    </a>
   <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>
   <a href="#" data-active="2">
     <div class="icon">
      <i class='bx bx-message-square-detail'></i>
      <i class='bx bxs-message-square-detail'></i>
     <span class="link hide">Add items</span>
    </a>
```

```
<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>
 <div class="tooltip">
  <span class="show">Dashboard</span>
  <span>Projects
  <span>Messages</span>
  <span>Analytics</span>
 </div>
 <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>
 <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>
 <div class="tooltip">
  <span class="show">Tasks</span>
  <span>Help</span>
  <span>Settings</span>
 </div>
</div>
<div class="sidebar-footer">
 <a href="#" class="account tooltip-element" data-tooltip="0">
 <i class='bx bx-user'></i>
 <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>
```

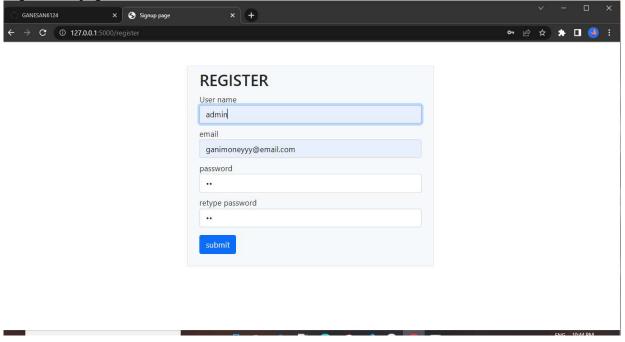
```
</div>
   <a href="#" class="log-out">
    <i class='bx bx-log-out'></i>
   </a>
   </div>
   <div class="tooltip">
   <span class="show">Ganesh</span>
   <span>Logout</span>
   </div>
 </div>
 </nav>
 <main>
 <h1>My Dashboard</h1>
  </main>
 <script src="static/js/app.js"></script>
</body></html>
signin.html -sigin page
{% 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"</pre>
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"/>
 >Don't have an account?<a href="{{ url_for('accessbackend') }}"> Sign
Up</a></div></main>
</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"</pre>
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 -->
       already have an account? please <a href="/signin">signin! </a> 
      </div>
  </form>
  </div>
</main>
{% endblock%}
```

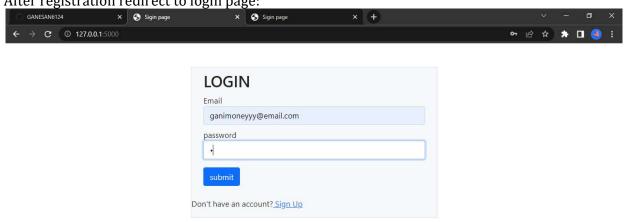
### Output: Login page



Registraion page:



After registration redirect to login page:



After the successful login redirect to the dashboard: GANESAN6124 X Sidebar Menu X Sigin page ⊶ 🖻 ☆ 🖈 🗖 🥞 :  $\begin{tabular}{ll} \leftarrow & \rightarrow & \textbf{C} & \textbf{0} & \textbf{127.0.0.1} : 5000/access backend ? email = 612419104010 cse% 40 gmail.com \& password\_1 = 2 \\ \hline \end{tabular}$ My Dashboard Q Quick Search ... Dashboard Products Add items Remove items ? Help Settings Ganesh

#### Email comfirmation:

