

Project Development Phase

Delivery of Sprint-1

Date	2November 2022
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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.bs2io90l08kqb1od8lcg1.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;S
SLServerCertificate=DigiCertGlobalRootCA.crt;UID=hgt43191;PWD=pG1XZqja1xcDGA8","")

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=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">
    <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>
    </ul>
  </div>
</body>
</html>
```

```

</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>
    <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

GANESAN6124 x Signin page x +

127.0.0.1:5000

LOGIN

Email
adc@gmail.com

password

submit

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

Registraion page:

GANESAN6124 x Signup page x +

127.0.0.1:5000/register

REGISTER

User name
admin

email
ganimoneyyy@email.com

password
..

retype password
..

submit

After registration redirect to login page:

GANESAN6124 x Sign page x Sign page x +

127.0.0.1:5000

LOGIN

Email

password

submit

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

After the successful login redirect to the dashboard:

GANESAN6124 x Sidebar Menu x Sign page x +

127.0.0.1:5000/accessbackend?email=612419104010cse%40gmail.com&password_1=2

My Dashboard

Quick Search ...

Dashboard

Products

Add items

Remove items

Help

Settings

Ganesh user