

Project Development Phase
Delivery of Sprint-1

Date	2November 2022
Team ID	PNT2022TMID00863
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

```
<!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>
```

register.html

```
<html>
<head>
<script>
var re_id=/^\w{5,12}$/
var re_pwd=/^\w{8,12}$/
var re_name=/^[a-zA-Z.]+$ /
var re_email=/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/
```

```
function isChecked(x)
{
    var flag=false;
    for(var i=0;i<x.length;i++)
        if(x[i].checked)
        {
            flag=true;
            break;
        }
    return flag;
}
```

```
function formValidation()
{
    if(!re_name.test(document.frm.username.value))
    {
        alert("name must contain alphabet and .");
        document.frm.username.focus();
        return false;
    }

    else if(!re_pwd.test(document.frm.passid.value))
    {
        alert("password must be:\n-between 8 and 12");
        document.frm.passid.focus();
        return false;
    }
```

```
else if(!re_email.test(document.frm.email.value))
{
    alert("email is empty or not valid");
    document.frm.email.focus();
    return false;
}
```

```
else
{

    return true;
}
```

```
}

</script>
</head>

<body>

<body style="line-height:12pt;">
<div style="position:absolute;
border:20px ridge black;
left:750px;
top:50px;
padding:20px;
background:lightblue;">

<pre>
<h1>Register your details</h1>
<form name='frm' method="post" onSubmit="return formValidation()" action="login.php" >

Name      :<input type="text" name="username">

Password   :<input type="password" name="passid" maxlength=12>

Phone no   :<input type="phone" name="phone" maxlength=10 >

Email      :<input type="text" name="email" >


      <input type="submit" name="submit"/> <input type="reset"/>


</form>

</pre>
</body>
</html>
```


login.html

```
<html>
<head>
  <?php
    if(isset($_POST['submit'])){
      $name=$_POST['username'];
      $pass=$_POST['passid'];
      $phone=$_POST['phone'];
      $conn=mysqli_connect("localhost","root","","customer");
      $sql="INSERT INTO details(`username`,`passid`,`phone`) VALUES('$name','$pass','$phone')";
      $res=mysqli_query($conn,$sql);
      if(!$res){
        echo "failed to insert!".mysqli_error($conn);
      }else{
        echo "connection successful!";
      }
    }

  ?>
<script>
function authenticate()
{
var name=document.getElementById("log");
var pwd=document.getElementById("pwd");

var users=["username","eashansai","bensonjoseph"];
var passwords=["password","sai123","benson123"];

if(users.indexOf(name.value)==-1)
{
alert("Invalid user name... try again...");
name.select();
return false;
}

else if(passwords[users.indexOf(name.value)]!=pwd.value)
{
alert("Invalid password... try again...");
pwd.select();
return false;
}
else

return true;
}
</script>
</head>
<body>

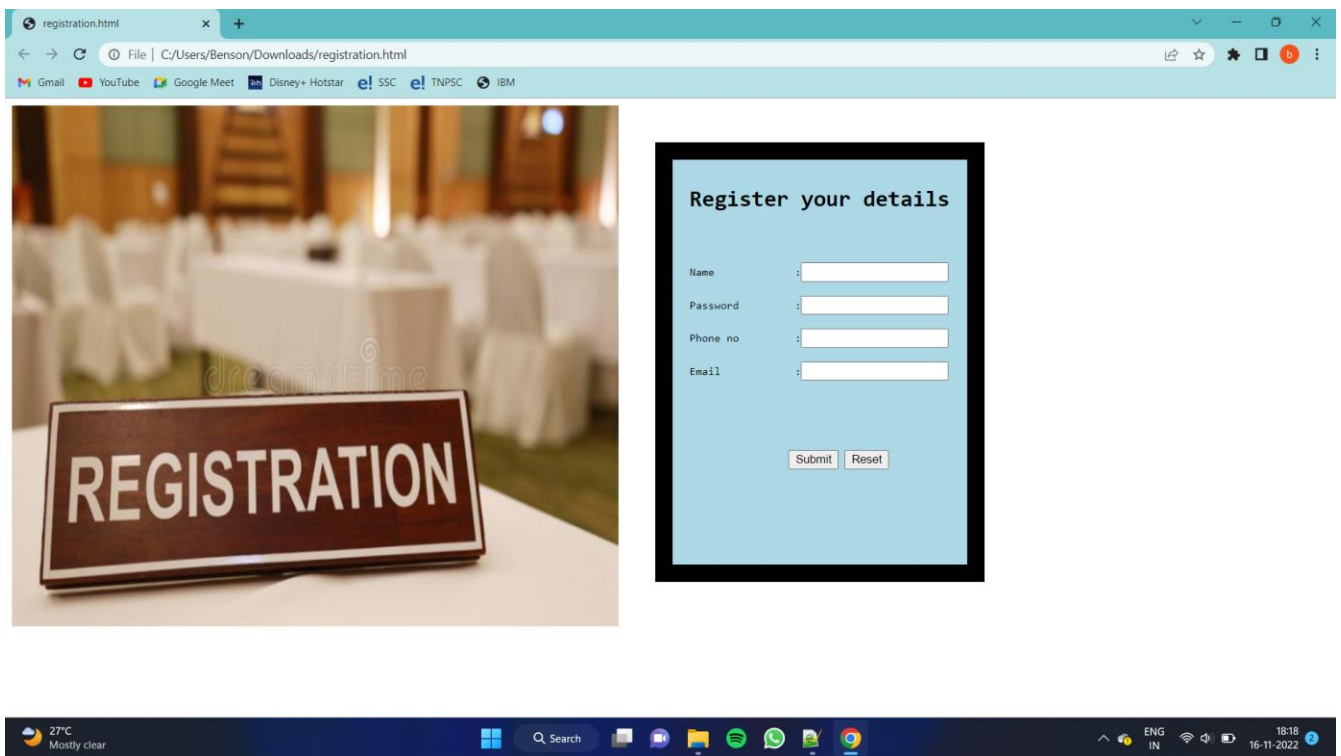
<body style="line-height:12pt;">
<div style="position:absolute;
border:25px ridge black;
left:700px;
```

```

top:150px;
padding:20px;
background:white;">
<center>
<form action="miniproject.html" onSubmit="return authenticate()">
User Name :<input id="log" type="text" required autofocus/><br/><br/>
Password:<input id="pwd" type="password" required/><br/><br/>
<br/>
<input type="submit"> <input type="reset">
</form>
</center>
</div>
</body>
</html>

```



OUTPUT:



registration.html

File | C:/Users/Benson/Downloads/registration.html

Gmail YouTube Google Meet Disney+ Hotstar SSC TNPSC IBM



27°C Mostly clear

Search

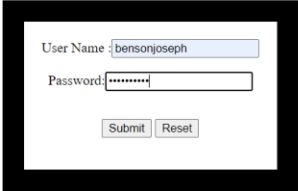

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login.html

File | C:/Users/Benson/Downloads/login.html

Gmail YouTube Google Meet Disney+ Hotstar SSC TNPSC IBM





27°C Mostly clear


Search


ENG IN


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 Quick Search ...


 Dashboard

 Products

 Add items

 Remove items

 Help

 Settings

My Dashboard

Email confirmation:

