

Project Development Phase
Delivery of Sprint-1

Date	2November 2022
Team ID	PNT2022TMID28174
Project Name	Inventory Management System For Retailer

app.py

creating flask application

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re

app = Flask(__name__)

app.secret_key = 'a'

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=1bbf73c5-d84a-4bb0-85b9-ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=32286;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=wjy24066;PWD=3w6H3sui635KMvWX",'','')
print(conn)
print("Connecting Successful .....")

@app.route('/')

def homer():
    return render_template('home.html')

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

    if request.method == 'POST' :
        username = request.form['username']
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password = request.form['password']
sql = "SELECT * FROM users WHERE username =? AND
password=?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,username)
ibm_db.bind_param(stmt,2,password)
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 !'

    msg = 'Logged in successfully !'
    return render_template('dashboard.html', msg = msg)
else:
    msg = 'Incorrect username / password !'
return render_template('login.html', msg = msg)

```

```

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

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        msg = 'Account already exists !'
    elif not re.match(r'^@+@[^@]+\.[^@]+', email):
        msg = 'Invalid email address !'
    elif not re.match(r'[A-Za-z0-9]+', username):
        msg = 'name must contain only characters and numbers
!'

    else:
        insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn, insert_sql)
        ibm_db.bind_param(prepare_stmt, 1, username)
        ibm_db.bind_param(prepare_stmt, 2, email)
        ibm_db.bind_param(prepare_stmt, 3, password)
        ibm_db.execute(prepare_stmt)
        msg = 'You have successfully registered !'
    elif request.method == 'POST':
        msg = 'Please fill out the form !'
    return render_template('register.html', msg = msg)

@app.route('/dashboard')
def dash():

    return render_template('dashboard.html')

    #sendmail(TEXT,"sandeep@thesmartbridge.com")
    #sendgridmail("sandeep@thesmartbridge.com",TEXT)

@app.route('/display')
def display():
    print(session["username"],session['id'])

    cursor = conn.connection.cursor()
    cursor.execute('SELECT * FROM job WHERE userid = % s',
(session['id'],))
    account = cursor.fetchone()
    print("accountdisplay",account)

    return render_template('display.html',account = account)

```

```

@app.route('/logout')

def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('username', None)
    return render_template('home.html')

if __name__ == '__main__':
    app.run(host='0.0.0.0')

```

TEMPLATES:

login.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>IMS | LOGIN</title>
    <!-- favicon -->
    <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-icon"> -->
    <!-- <link rel="icon" href="/assets/img/favicon.ico"
type="image/x-icon"> -->
    <link rel="icon" type="image/png" sizes="16x16"
href="/assets/img/favicon-32x32.png">
    <!-- bootstrap css cdn -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/boo
tstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KgB8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z
" crossorigin="anonymous">

```

```

    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
    <!-- css stylesheet -->
    <link rel="stylesheet" href="css/style.css">
    <!-- font styles cdn -->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya&display=
swap" rel="stylesheet">
    <link
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600
&display=swap" rel="stylesheet">
</head>
<body>
    <!-- bootstrap navbar -->
    <div class="logo mt-3 text-center">
        <a class="main-logo-img mt-5" href="#">
        <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
        </a>
    </div>
    <!-- navbar ends -->
    <!-- Login form -->
    <div class="login text-center mt-5">
        <h2> Login Form </h2>
        <form action="/login" method="post">
            <div class="msg">{{ msg }}</div>
            <input type="text" name="username"
placeholder="Enter Your Username" id="username"
required></br></br>
            <input type="password" name="password"
placeholder="Enter Your Password" id="password"
required></br></br>
            </br>
            </br>

```

```
        <button type="submit" id="button" class="btn btn-  
primary"> Login </button>  
    </form>  
</div>  
  
    <div class="note mt-3 text-center"> <!--Register form -->  
    <p> Don't have an account yet? Click here to <a  
href="register">register! </a> </p>  
    </div>  
</body>  
</html>
```

Register.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>IMS | LOGIN</title>
  <!-- favicon -->
  <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-icon"> -->
  <!-- <link rel="icon" href="/assets/img/favicon.ico"
type="image/x-icon"> -->
  <link rel="icon" type="image/png" sizes="16x16"
href="/assets/img/favicon-32x32.png">
  <!-- bootstrap css cdn -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/boo
tstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z
" crossorigin="anonymous">
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
  <!-- css stylesheet -->
  <link rel="stylesheet" href="css/style.css">
  <!-- font styles cdn -->
  <link rel="preconnect" href="https://fonts.gstatic.com">
  <link
href="https://fonts.googleapis.com/css2?family=Alegreya&display=
swap" rel="stylesheet">
  <link
href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600
&display=swap" rel="stylesheet">
</head>
<body>
  <!-- bootstrap navbar -->
  <div class="logo mt-3 text-center">
```

```

        <a class="main-logo-img mt-5" href="#">
        <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
        </a>
    </div>
    <!-- navbar ends -->
    <!-- Login form -->
    <div class="login text-center mt-5">
        <h2> Register Form </h2>
        <form action="/register" method="post">
            <div class="msg">{{ msg }}</div>
            <!-- <input type="text" placeholder="fullname"
id="fullname"> </br></br> -->

            <input type="text" name="username"
placeholder="Enter Your Username" id="username"
required></br></br>
            <input type="email" name="email" placeholder="Enter
Your Email ID" id="email" required></br></br>
            <input type="password" name="password"
placeholder="Enter Your Password" id="password"
required></br></br>

            </br>
            </br>
            <button type="submit" id="button" class="btn btn-
primary"> Register </button>
        </form>
    </div>

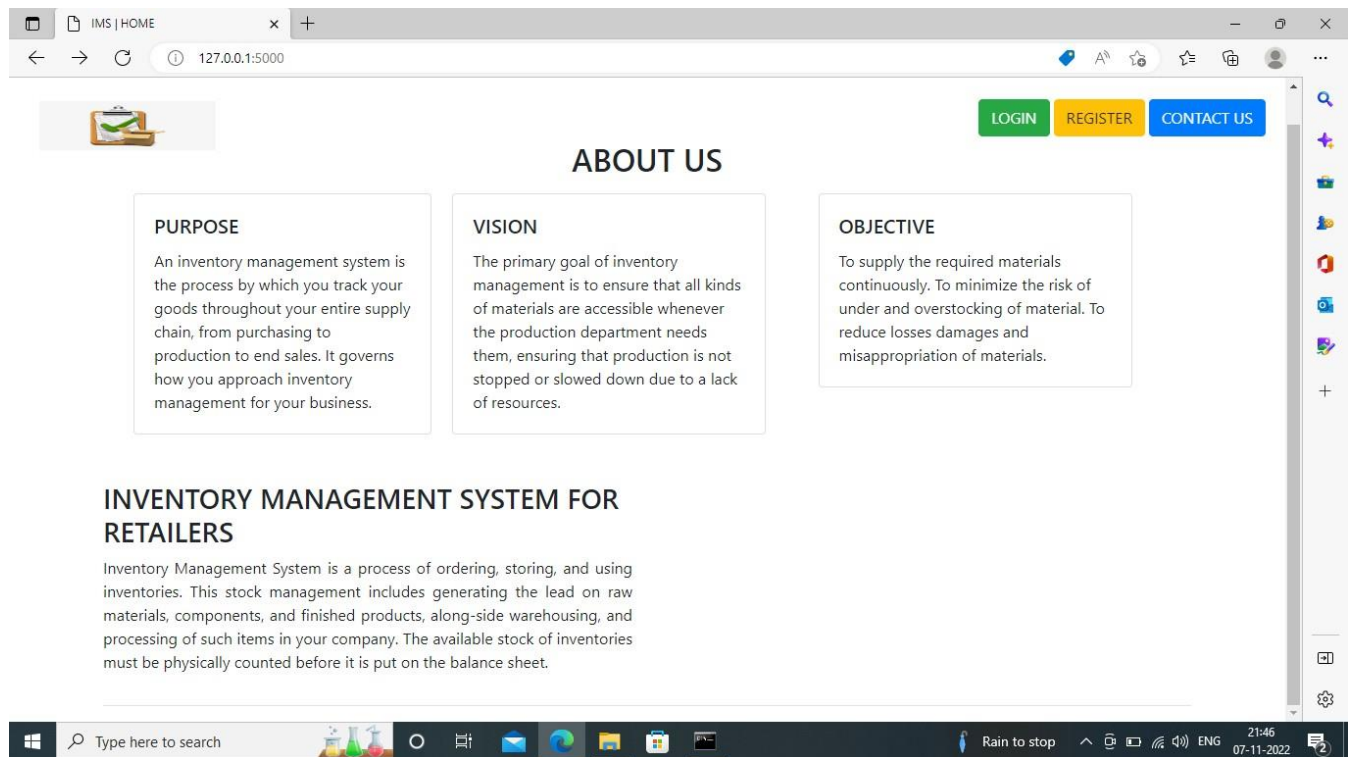
    <div class="note mt-3 text-center"> <!--Register form -->
    <p> already have an account ? please login <a
href="/login">login! </a> </p>

    </div>
</body>
</html>

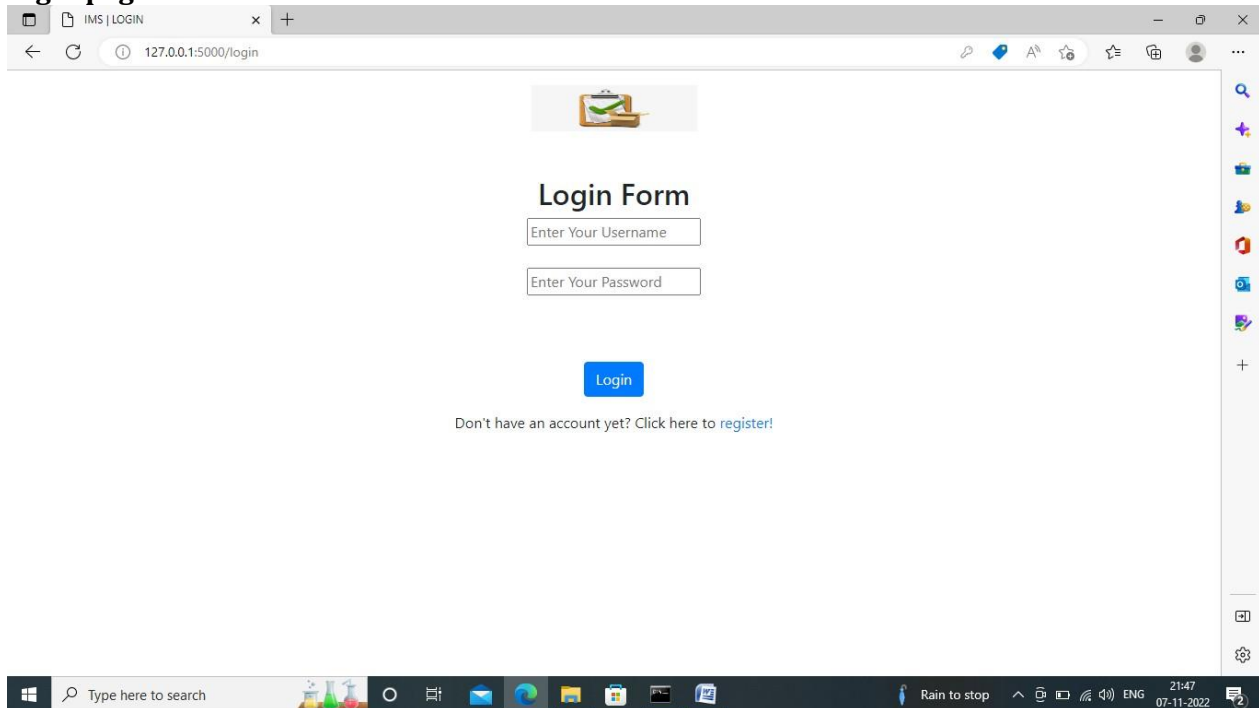
```


Output:

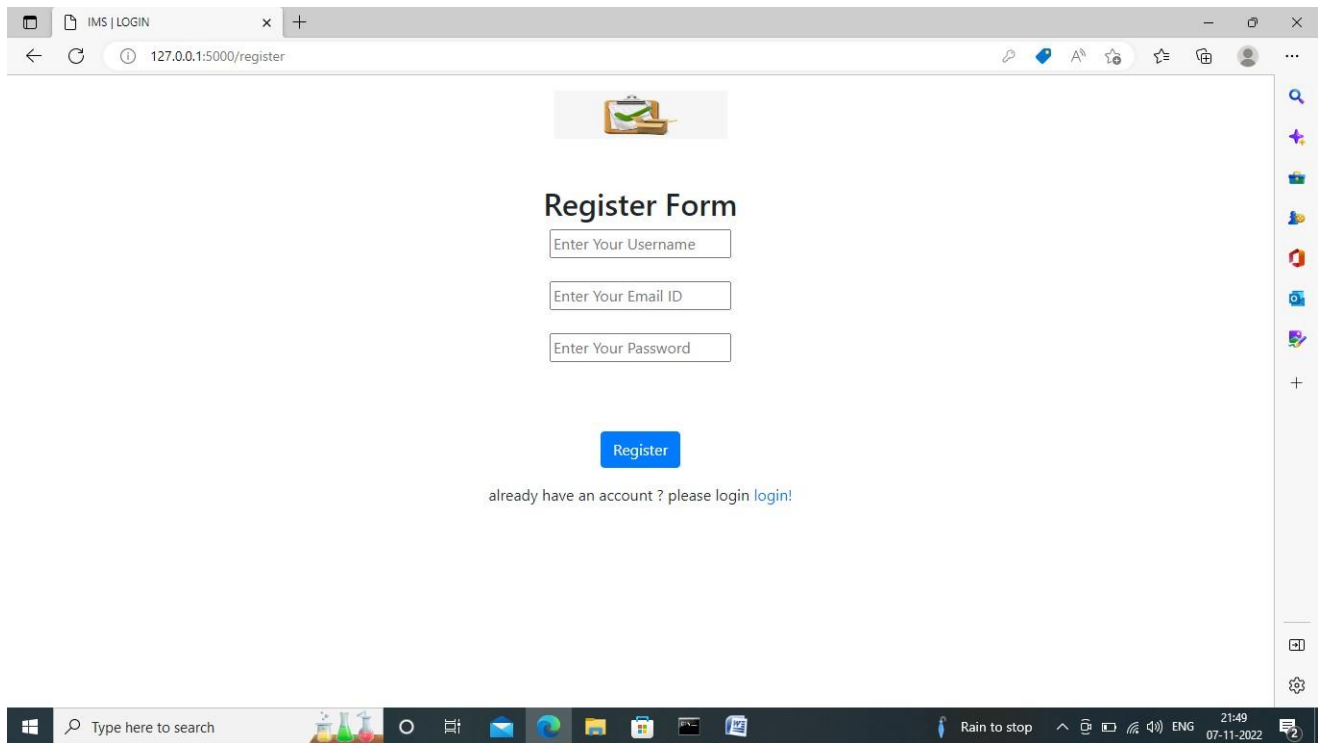
Home page



Login page



Register page



The screenshot shows a web browser window with a single tab titled "IMS | LOGIN". The address bar displays the URL "127.0.0.1:5000/register". The page content features a "Register Form" with three input fields: "Enter Your Username", "Enter Your Email ID", and "Enter Your Password". Below these fields is a blue "Register" button. At the bottom of the form, there is a link that says "already have an account ? please login [login!](#)". The browser's right sidebar is open, showing various extension icons. The Windows taskbar at the bottom includes a search bar, several application icons, and system status information such as "Rain to stop", "ENG", and the date "07-11-2022".

IMS | LOGIN

127.0.0.1:5000/register

Register Form

Enter Your Username

Enter Your Email ID

Enter Your Password

Register

already have an account ? please login [login!](#)

Type here to search

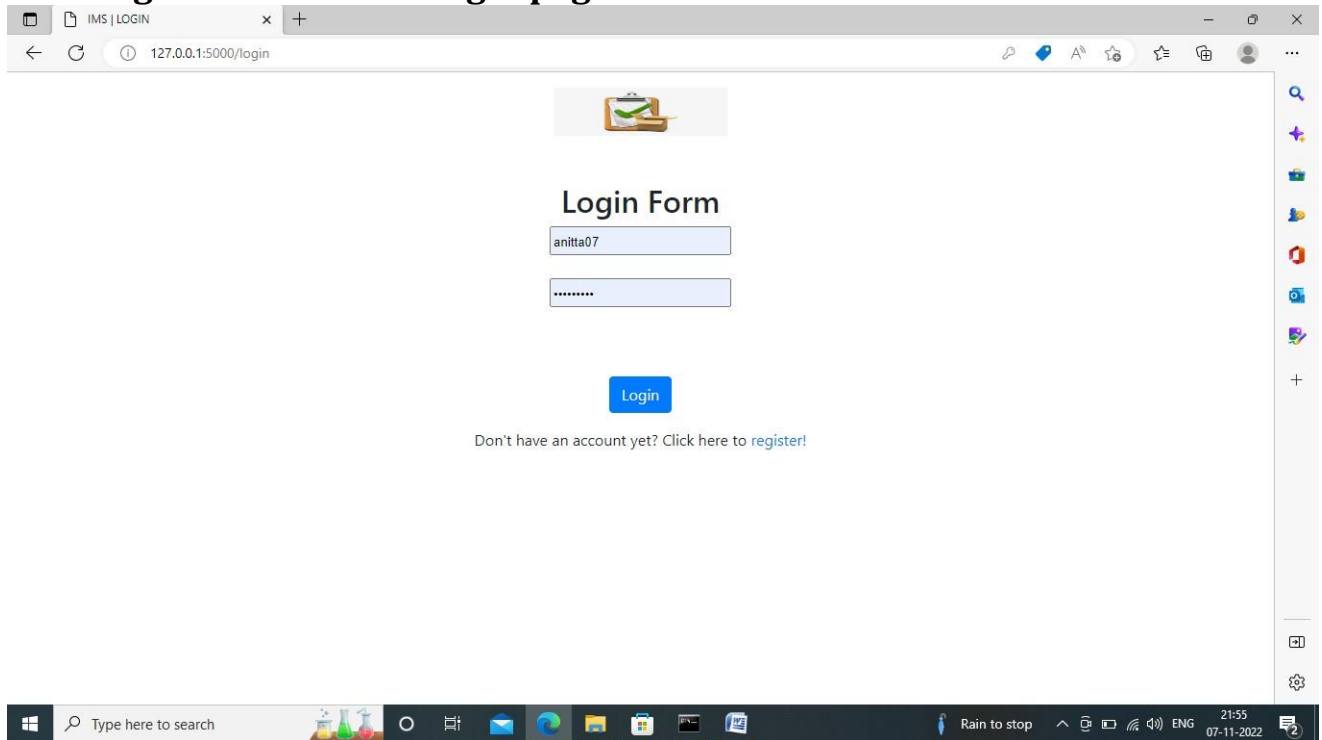
Rain to stop

ENG

21:49

07-11-2022

After register redirect to login page



Email confirmation:

