<div align="center">

Project Development Phase
Delivery of Sprint-1

</div>

Date	2November 2022
Team ID	PNT2022TMID50120
Project Name	Inventory Management System For Retailer

app.py
creating flak application

```python
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.cr
t;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']
```

```python
        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:
```

```python
            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(prep_stmt, 1, username)
            ibm_db.bind_param(prep_stmt, 2, email)
            ibm_db.bind_param(prep_stmt, 3, password)
            ibm_db.execute(prep_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("accountdislay",account)


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

```python
@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

```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/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
```

```html
        <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="#"><img
src="static/img/imsicon.png" alt="sheep-logo" height="50px"
width="180px">
            <!-- <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>
```

```html
        <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>
```
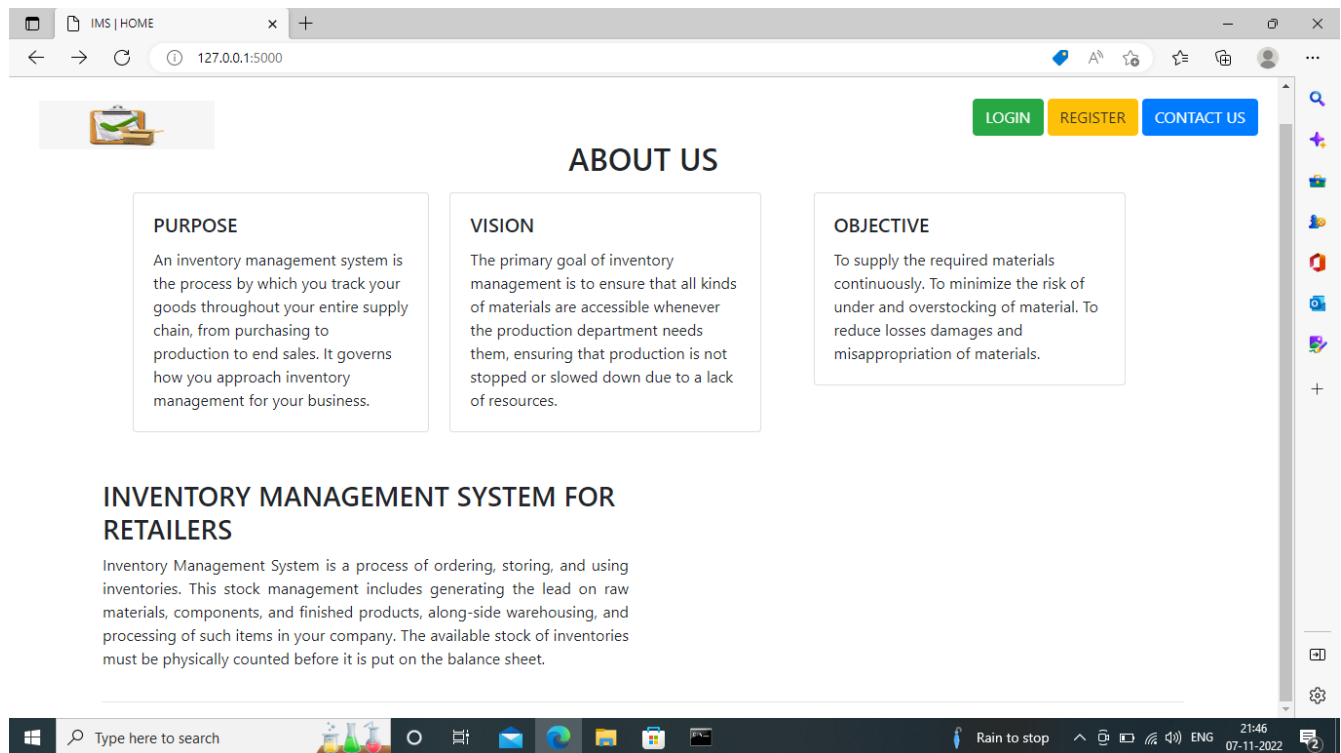
Register.html

```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/bootstrap.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">
```
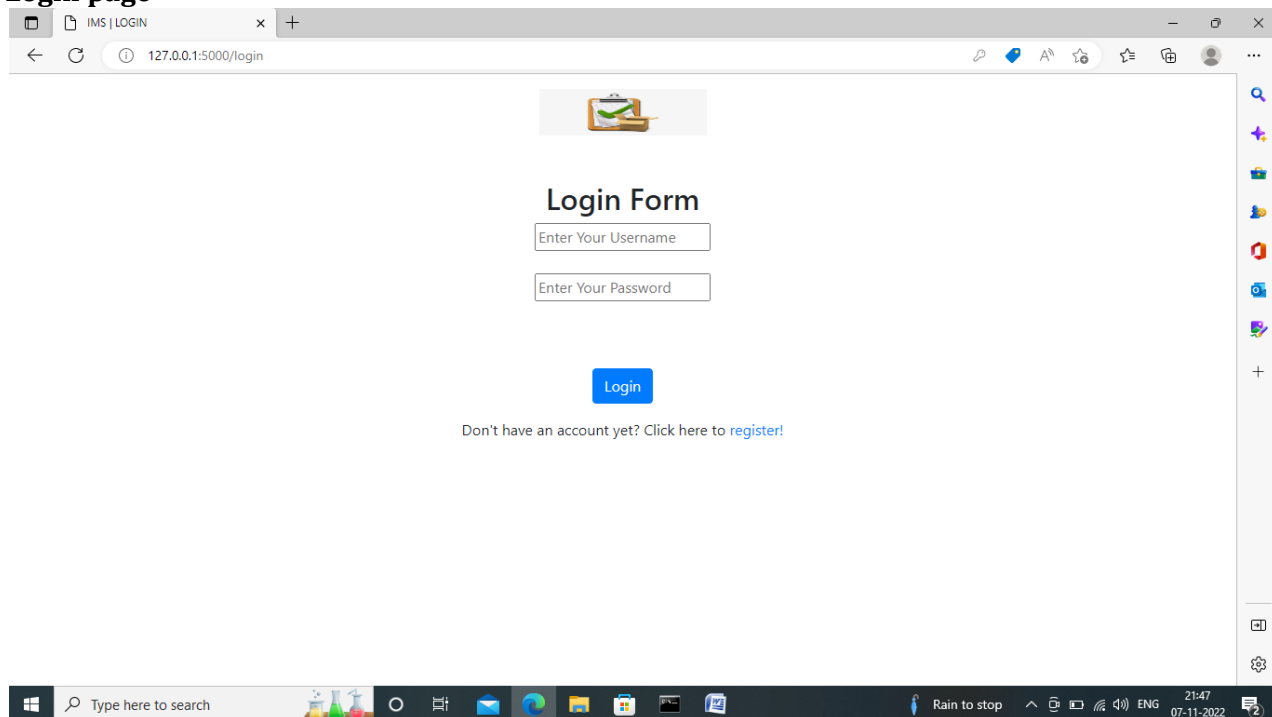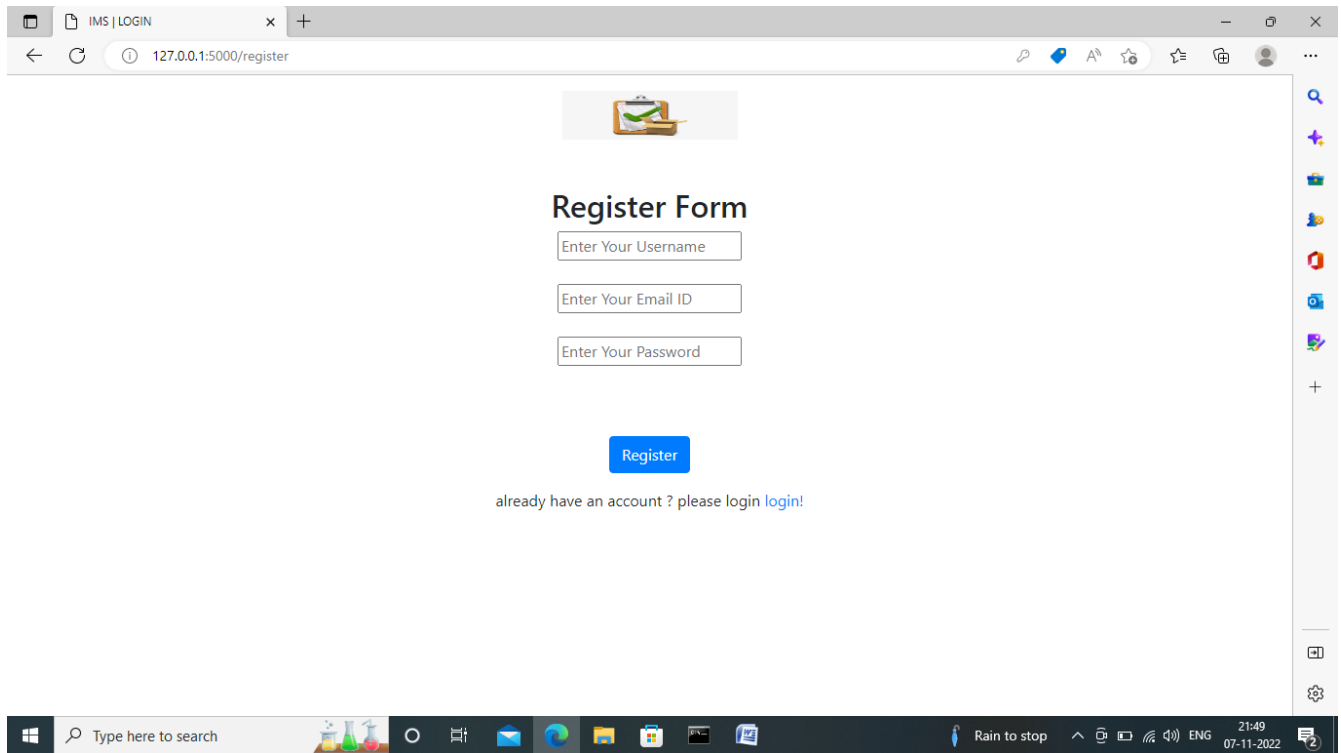
```html
            <a class="main-logo-img mt-5" href="#"><img
src="static/img/imsicon.png" alt="sheep-logo" height="50px"
width="180px">
              <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
           </a>
     </div>
        <!-- navbar ends -->
     <!-- Login form -->
     <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
```
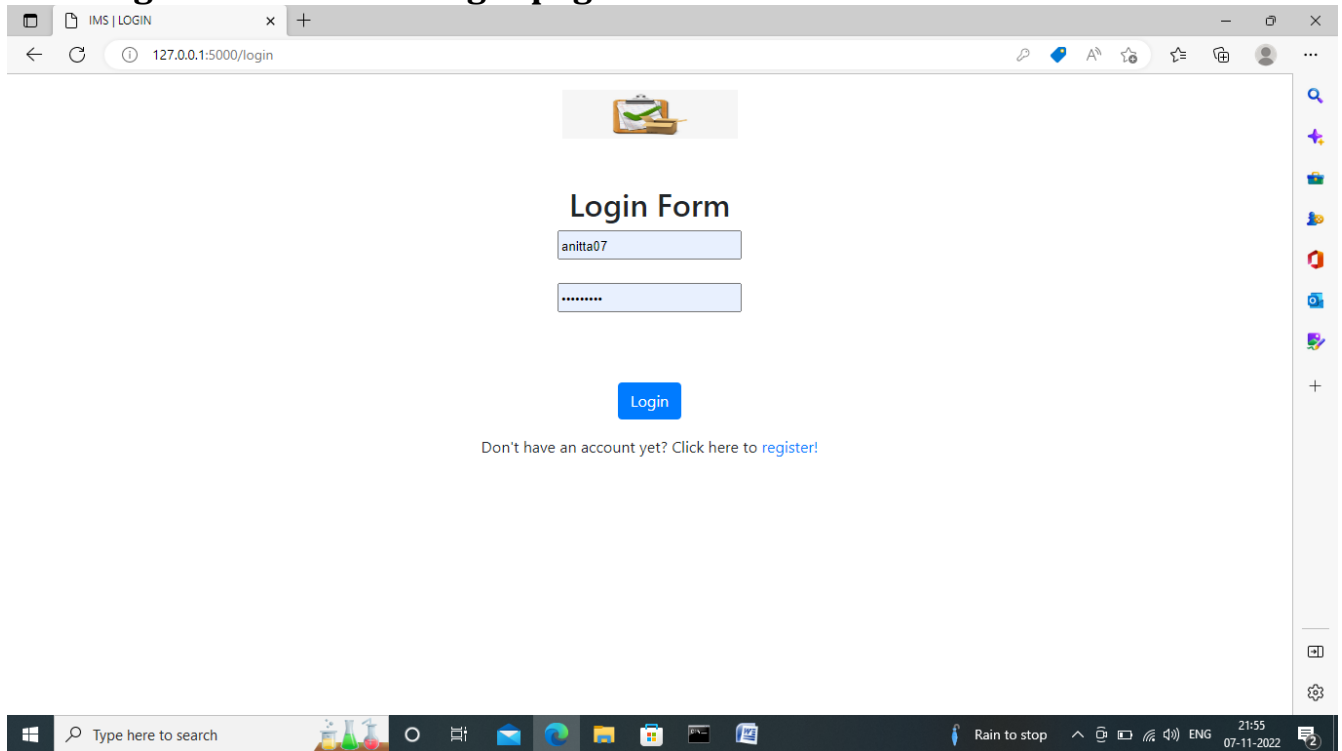
Output:

Home page

Login page

Register page

After register redirect to login page

Email comfirmation: