**Project Development Phase**

**Delivery of Sprint-1**

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| Date | 2November 2022 |
| Team ID | PNT2022TMID41081 |
| Project Name | Inventory Management System For Retailer |

**app.py creating flak application**

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| 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-  4bb0-85b9ab1a4348f4a4.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'] |

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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(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) |
| @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**

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| <!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, initialscale=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"> |

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| <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/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> |

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| <button type="submit" id="button" class="btn btnprimary"> 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> |

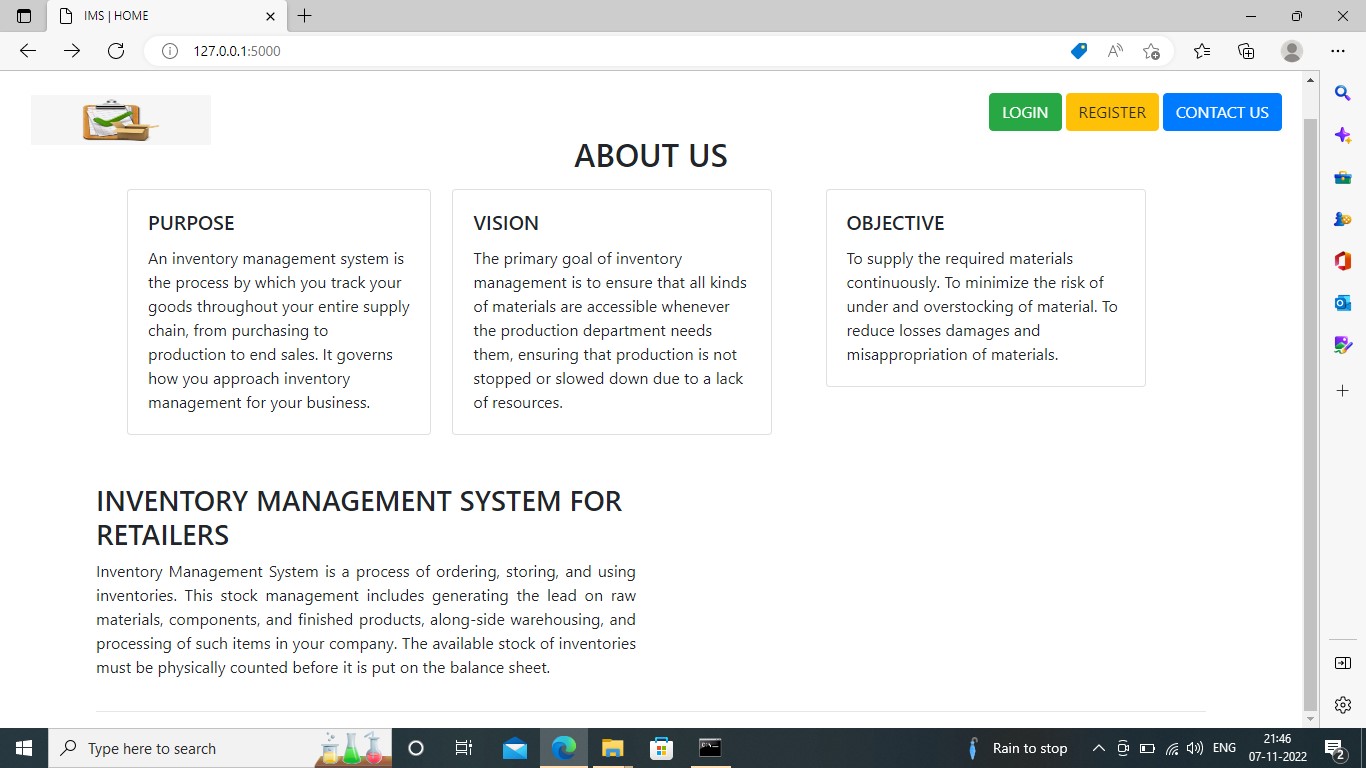
# Register.html

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| <!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, initialscale=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/fontawesome/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"> |

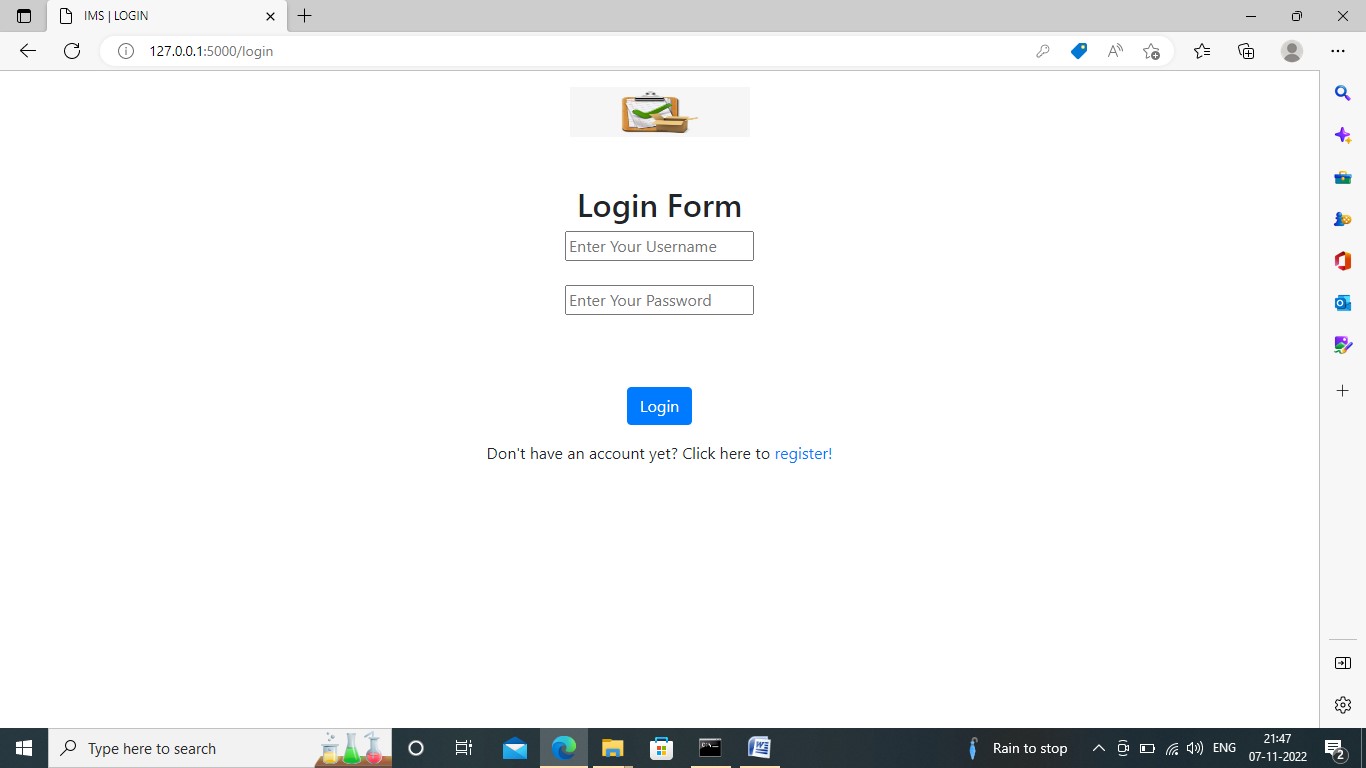
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| <a class="main-logo-img mt-5" href="#"><img src="static/img/imsicon.png" alt="sheep-logo" height="50px" width="180px">  <!-- <a class="navbar-brand" href="index.html">JobPortal</a> -->  </a>  </div>  <!-- navbar ends -->  <!-- Login form -->  <div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

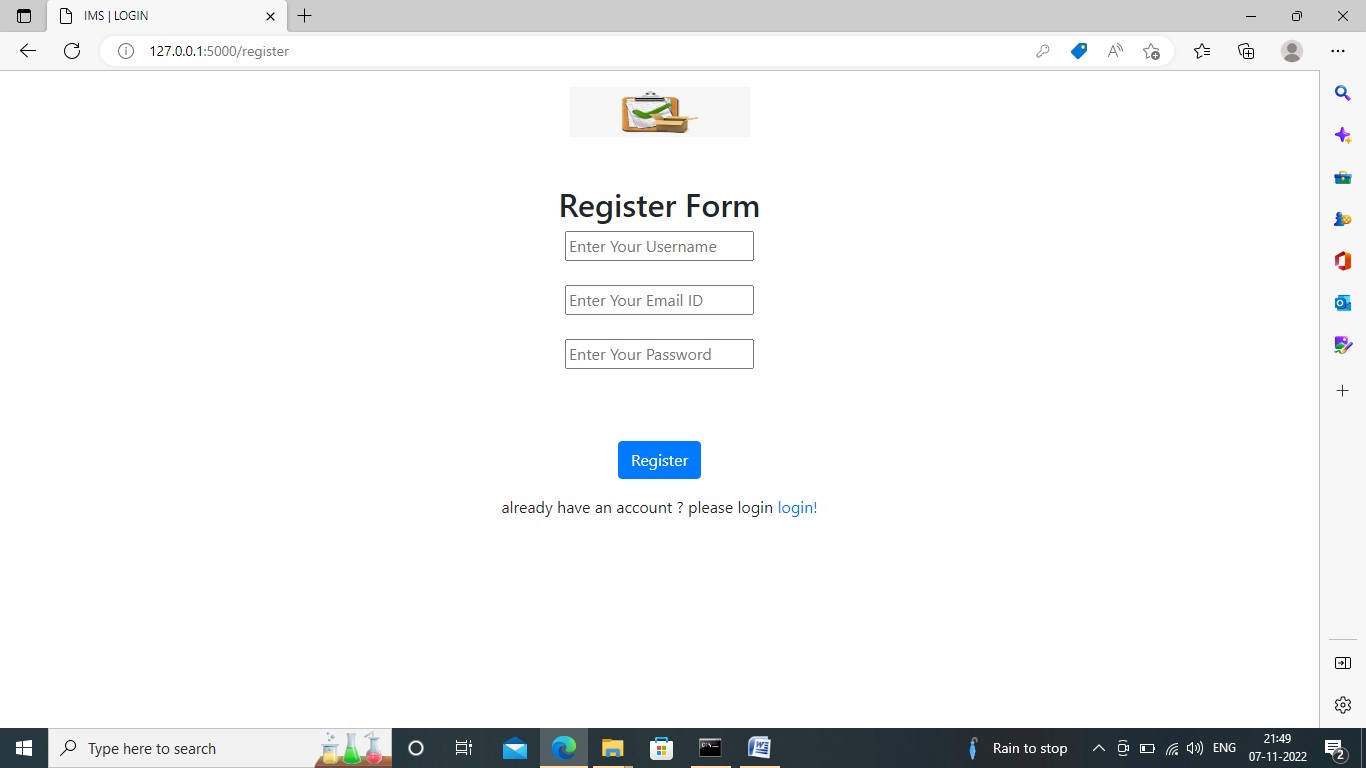
**Home page**



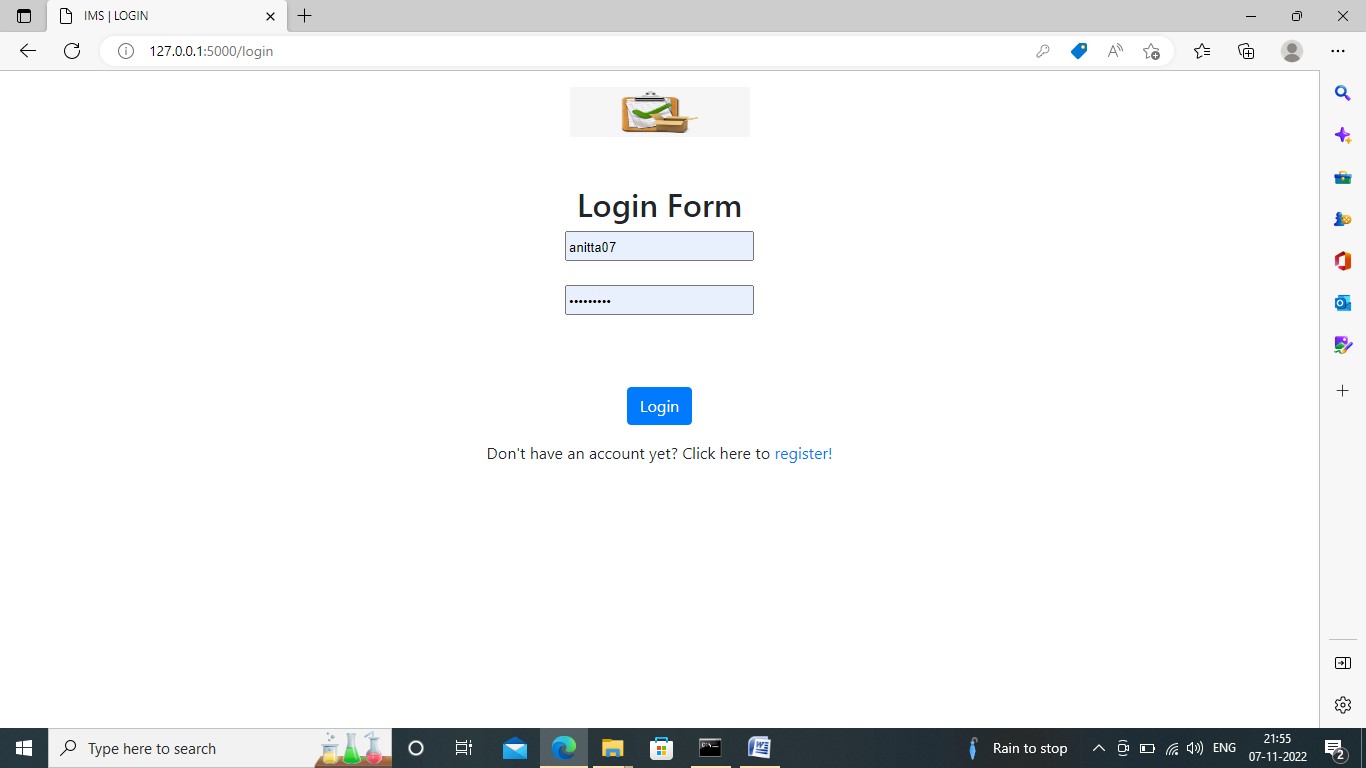
**Login page**



**Register page**



**After register redirect to login page**



Email comfirmation:

