CODEFILE

Team ID	PNT2022TMID32232
Project Name	INVENTORY MANAGEMENT SYSTEM FOR RETAILERS

```python
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re
app = Flask(__name__)
hostname = '2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'
uid = 'hmf80902'
pwd = 'oHzpnV88erkd09'
driver = "{IBM DB2 ODBC DRIVER}"
db_name = 'bludb'
port = '30756'
protocol = 'TCPIP'
cert = "C:/Users/Prithiarun/Desktop/IBM/TEST/certi.crt"
dsn = (
"DATABASE ={0};"
"HOSTNAME ={1};"
"PORT ={2};"
"UID ={3};"
"SECURITY=SSL;"
"PROTOCOL={4};"
"PWD ={6};"
).format(db_name, hostname, port, uid, protocol, cert, pwd)
connection = ibm_db.connect(dsn, "", "")
print(dsn)
# query = "SELECT username FROM USER1 WHERE username=?"
# stmt = ibm_db.prepare(connection, query)
# ibm_db.bind_param(stmt, 1, username)
# ibm_db.execute(stmt)
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# username = ibm_db.fetch_assoc(stmt)

# print(username)

try:

conn = ibm_db.connect(dsn,"", "")

print("connected to database")

except:

print("unable to connect")

server = ibm_db.server_info(conn)

print("DBSNAME: ", server.DBMS_NAME)

print("DBMS_VER: ", server.DBMS_VER)

print("DBNAME: ", server.DB_NAME)

app.secret_key = 'a'

@app.route('/', methods=['GET', 'POST'])

@app.route('/register', methods=['GET', 'POST'])

def register():

msg = " "

if request.method == 'POST':

username = request.form['username']

email_id = request.form['email_id']

phone_no = request.form['phone_no']

password = request.form['password']query = "SELECT * FROM USER1 WHERE username=?;"

stmt = ibm_db.prepare(connection, query)

ibm_db.bind_param(stmt, 1, username)

ibm_db.execute(stmt)

account = ibm_db.fetch_assoc(stmt)

if (account):

msg = "Account already exists!"

return render_template('register.html', msg=msg)

# elif not re.match(r'[^@]+@[^@]+\.[^@]+', email_id):

# msg = "Invalid email addres"

# elif not re.match(r'[A-Za-z0-9+', username):

# msg = "Name must contain only characters and numbers"
```

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    else:
        query = "INSERT INTO USER1 values(?,?,?,?)"
        stmt = ibm_db.prepare(connection, query)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, email_id)
        ibm_db.bind_param(stmt, 3, phone_no)
        ibm_db.bind_param(stmt, 4, password)
        ibm_db.execute(stmt)
        msg = 'You have successfully Logged In!!'
        return render_template('login.html', msg=msg)
    else:
        msg = 'PLEASE FILL OUT OF THE FORM'
    return render_template('register.html', msg=msg)
@app.route('/login', methods=['GET', 'POST'])
def login():
    global userid
    msg = ' '
    if request.method == "POST":
        username = request.form['username']
        password = request.form['password']
        query = "select * from user1 where username=? and password=?"
        stmt = ibm_db.prepare(connection, query)
        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']
            session['username'] = account['USERNAME']
            msg = 'Logged in Successfully'
            return render_template('welcome.html', msg=msg, username=str.upper(username))
        else:
```

```python
        msg = 'Incorrect Username or Password'

        return render_template('login.html', msg=msg)

    else:

        msg = 'PLEASE FILL OUT OF THE FORM'

        return render_template('login.html', msg=msg)@app.route('/welcome', methods=['GET',
'POST'])

def welcome():

    if request.method == 'POST':

        username = request.form['username']

        print(username)

        return render_template('welcome.html', username=username)

    else:

        return render_template('welcome.html', username=username)

if "main" == __name__:

    app.run()
```