

Project Development Phase Delivery of Sprint-2

Date	8 November 2022
Team ID	PNT2022TMID04841
Project Name	Inventory Management System For Retailer

App.py

```
from flask import Flask, render_template, request, redirect, url_for, session, flash
import ibm_db
import sqlite3 as sql
import re
import alert

app = Flask(__name__)

app.secret_key = 'a'

conn =
    ibm_db.connect("DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7
e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;S
ECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=tv6290
9;PWD=zdsHZ7v8PK25KixB",",")
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']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username =? AND password=?"
        stmt = ibm_db.prepare(conn, sql)
```

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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 !'
    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:
            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 = 'Please fill out the form !'
    if request.method == 'POST':
        msg = 'You have successfully registered! Please login !'
    return render_template('register.html', msg = msg)

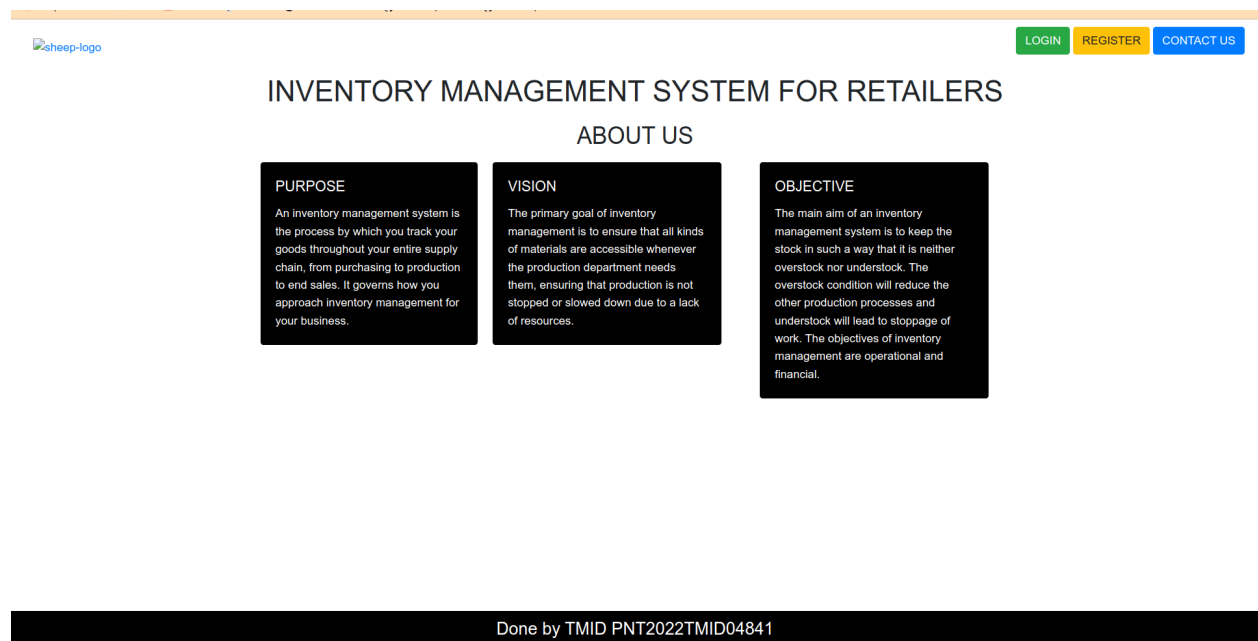
```

```
@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')
```

Home.html



Register.html

Register Form

Enter Registration details

Please fill in this field.

Register

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

Login.html

Login Form

Please enter your details

Login

Don't have an account yet? Click here to [register!](#)

Users Database

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

TVD62909.USERS

USERNAME	EMAIL	PASSWORD
Paul	paulson1811@gmail.com	123456
Paul	paulson1811@gmail.com	123456
Poorvaja	poorvajak.19it@kongu.edu	Poorvajak
Predeev	Pradeevss@gmail.com	123456

Export to CSV