SPRINT-3

Date	16 November 2022
Team ID	PNT2022TMID08681
Project Name	Smart fashion Recommender application

IBM db2 connect with python

```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=54a2f15b-5c0f-46df-8954-
7e38e612c2bd.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32733;SECURITY=SSL;
SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=bsb19147;PWD=M8Q6aCGQuLHwiHkU",'','
')


@app.route('/')


def homer():
    return render_template('index.html')
```

```python
@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)

        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  =
```

```python
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(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)
```

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

    return render_template('dashboard.html')


@app.route('/apply',methods =['GET',
'POST']) def apply(): msg = '' if
request.method == 'POST' : username =
request.form['username'] email =
request.form['email']

        qualification=
        request.form['qualification'] skills =
        request.form['skills'] jobs =
        request.form['s']
        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 = 'there is only 1 job position! for you'
            return render_template('apply.html', msg = msg)
```

```python
insert_sql = "INSERT INTO job 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, qualification)

ibm_db.bind_param(prep_stmt, 4, skills)

ibm_db.bind_param(prep_stmt, 5, jobs)

ibm_db.execute(prep_stmt)

msg = 'You have successfully applied for job !' session['loggedin']

= True

TEXT = "Hello sandeep,a new appliaction for job position" +jobs+"is requested"


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

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




elif request.method == 'POST':

    msg  =  'Please  fill  out  the  form  !'  return

render_template('apply.html',    msg   =   msg)

@app.route('/display') def display():

print(session["username"],session['id'])


cursor = mysql.connection.cursor() cursor.execute('SELECT * FROM job

WHERE userid = % s', (session['id'],)) account = cursor.fetchone()

print("accountdislay",account)
```

```python
        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')
```
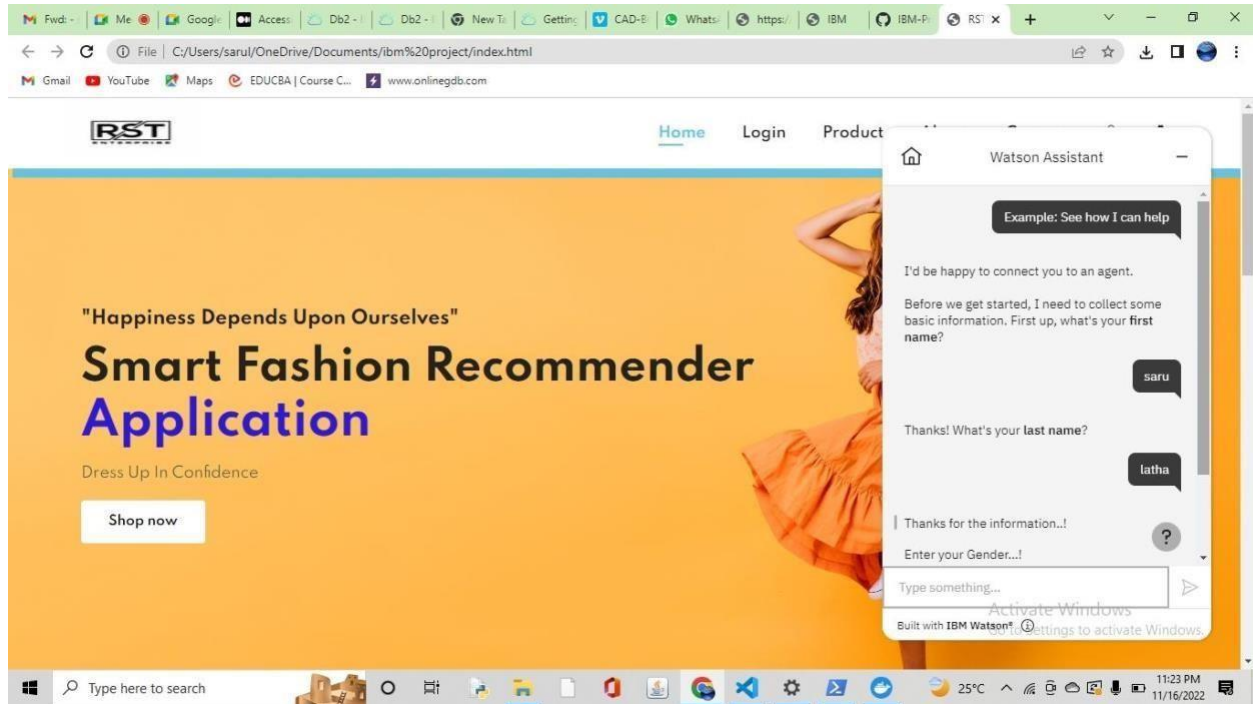
DOCKERFILE:

FROM python:3.7

WORKDIR /app

ADD . /app

COPY requirements.txt /app

RUN python3 -m pip install -r requirements.txt

RUN python3 -m pip install ibm_db

EXPOSE 5000

CMD ["python","app.py"]