SPRINT-3

Date	16 November 2022
Team ID	PNT2022TMID01370
Project Name	Smart fashion Recommender application

IBM db2 connect with 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')


@app.route('/login',methods =['GET', 'POST'])
def login():
```

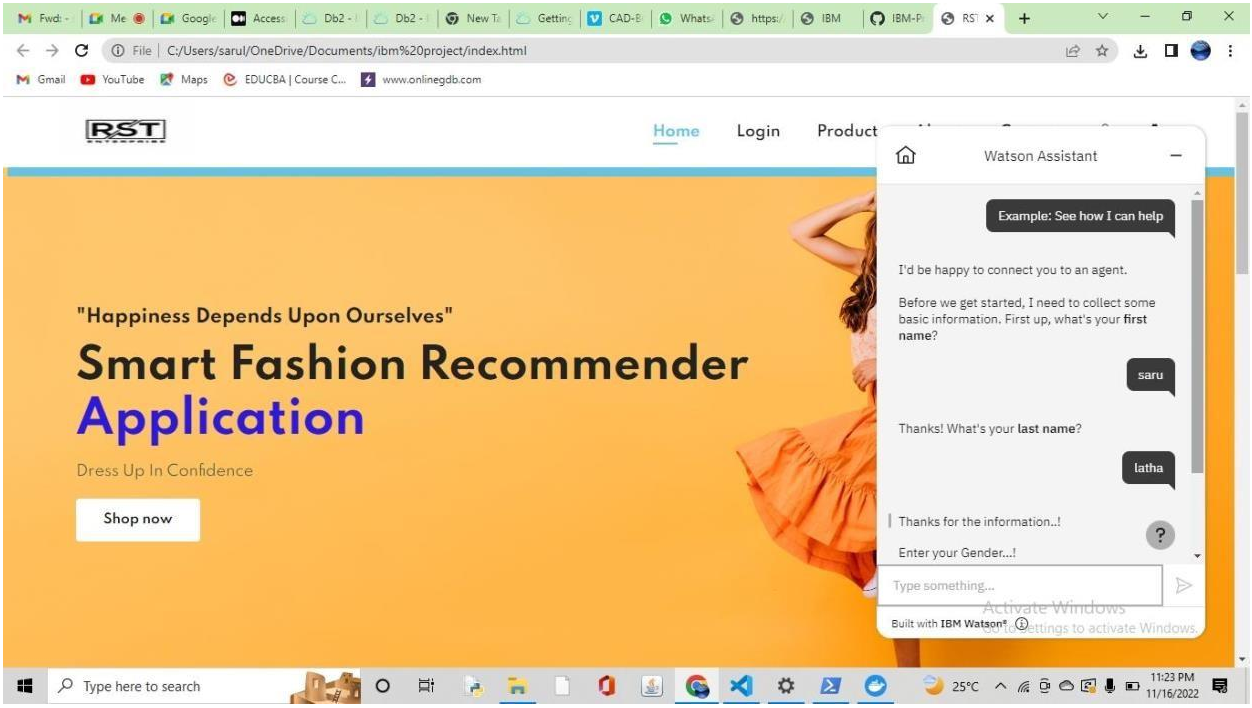
```
global userid
msg = ''



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 = 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)

@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)



    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)



    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”]