

PROJECT DEVELOPMENT PHASE – SPRINT 4

Date	19 November 2022
Team ID	PNT2022TMID26733
Project Name	Project – Skill/Job Recommender

App.py:

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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=2f3279a5-73d1-4859-88f0-
a6c3e6b4b907.c3n41cmd0nqnkrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=SSL;SS
LServerCertificate=DigiCertGlobalRootCA.crt;UID=hkd04084;PWD=Bwjcq4p5AL1sL0FQ", "", "")

@app.route('/')

def homer():

    return render_template('login.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
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        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(prepare_stmt, 1, username)
            ibm_db.bind_param(prepare_stmt, 2, email)

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        ibm_db.bind_param(prepare_stmt, 3, password)

        ibm_db.execute(prepare_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)

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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(prepare_stmt, 1, username)

ibm_db.bind_param(prepare_stmt, 2, email)

ibm_db.bind_param(prepare_stmt, 3, qualification)

ibm_db.bind_param(prepare_stmt, 4, skills)

ibm_db.bind_param(prepare_stmt, 5, jobs)

ibm_db.execute(prepare_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("accountdisplay",account)

    return render_template('display.html',account = account)

@app.route('/logout')

def logout():

    session.pop('loggedin', None)

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session.pop('id', None)

session.pop('username', None)

return render_template('home.html')

if __name__ == '__main__':

    app.run(host='0.0.0.0')
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CHATBOT:

Chatbot url:

<https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-7edeee53-3201-4ab0-afc5-e8482dcaab3f%3A%3Ab279a216-7162-411f-9210-ee1ce0532bd9&integrationID=b9577b7a-aa8a-4fb6-bc1e-d760ebeb295®ion=us-south&serviceInstanceID=7edeee53-3201-4ab0-afc5-e8482dcaab3f>



