IBM ASSIGNMENT -2

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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=b70af05b-76e4-4bca-a1f5-23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=jzc43091;PWD=PI8VtGRvZlSVT65A",'','')


@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)

        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 !’
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      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’]
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        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,a new application for job position” +jobs+”is requested”
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()
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    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’)
```