ASSIGNMENT 2

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| Assignment Date | 19 October 2022 |
| Team ID | PNT2022TMID02912 |
| Project Name | Nutrition Assistant Application |
| Maximum Marks | 2 Marks |

1. Create User table with user with email, username, roll number, password.
2. Perform UPDATE ,DELETE Queries with user table
3. Connect python code to db2.
4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.

# Apply.html

<html>

<body>

<form action="http://localhost:5000/login" method="POST">

<p>Enter Username:</p>

<p><input type="text" name="username" /></p>

<p>Enter Email:</p>

<p><input type="email" name="email" /></p>

<p>Enter Qualification:</p>

<p><input type="text" name="qualification" /></p>

<p>Enter Skill:</p>

<p><input type="text" name="skill" /></p>

<p>Enter Jobs:</p>

<p><input type="text" name="jobs" /></p>

<p><input type="submit" value="submit"></p>

</form>

</body>

</html>

# Login.html

<html>

<body>

<form action="http://localhost:5000/login" method="POST">

<p>Enter Username:</p>

<p><input type="text" name="username" /></p>

<p>Enter Password:</p>

<p><input type="password" name="password" /></p>

<p><input type="submit" value="submit"></p>

</form>

</body>

</html>

# Register.html

<html>

<body>

<form action="http://localhost:5000/login" method="POST"> <p>Enter Username:</p>

<p><input type="text" name="username" /></p>

<p>Enter Email:</p>

<p><input type="email" name="email" /></p>

<p>Enter Password:</p>

<p><input type="password" name="password" /></p>

<p><input type="submit" value="submit"></p>

</form> </body>

</html>

# 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=b70af05b-76e4-4bca-a1f5-  23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;SECURITY=SSL;SSLServerC ertificate=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'] |

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| 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 = '' |

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| 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,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()  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')