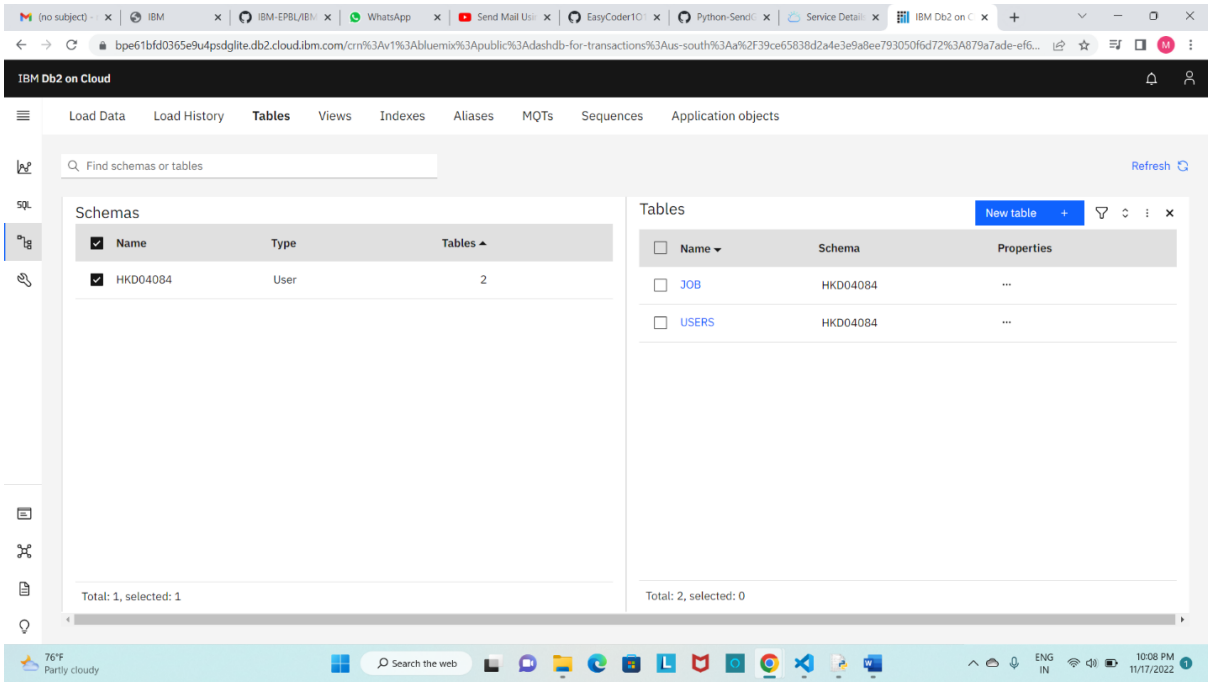
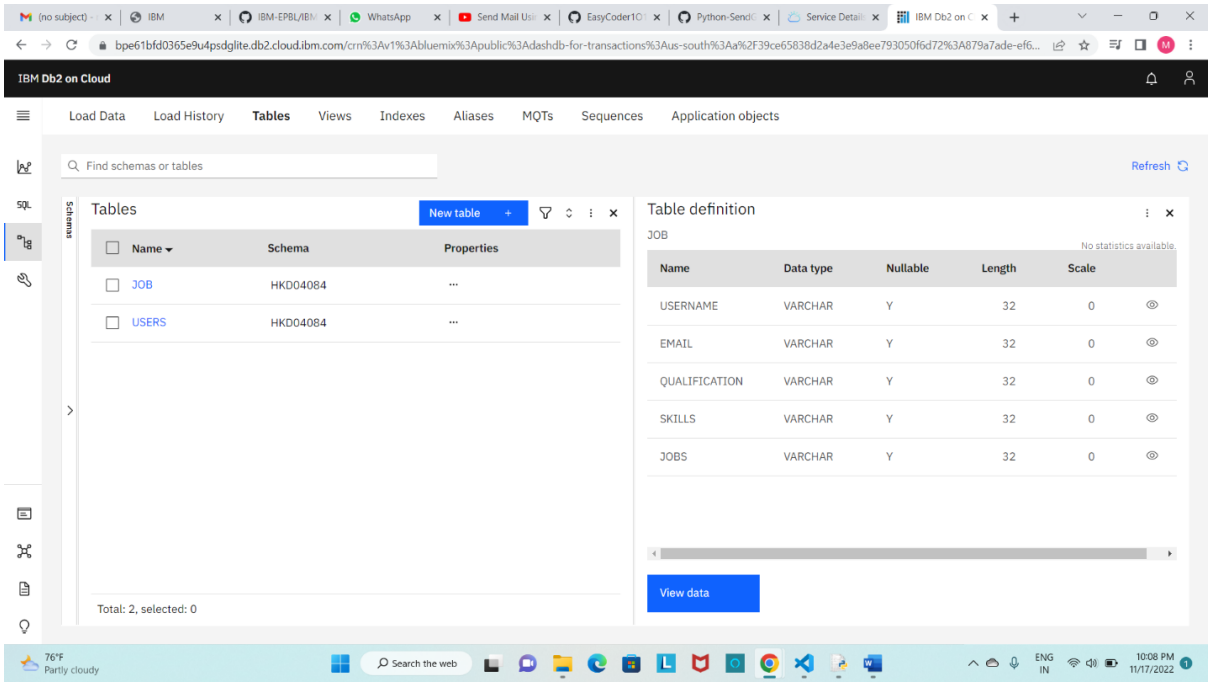
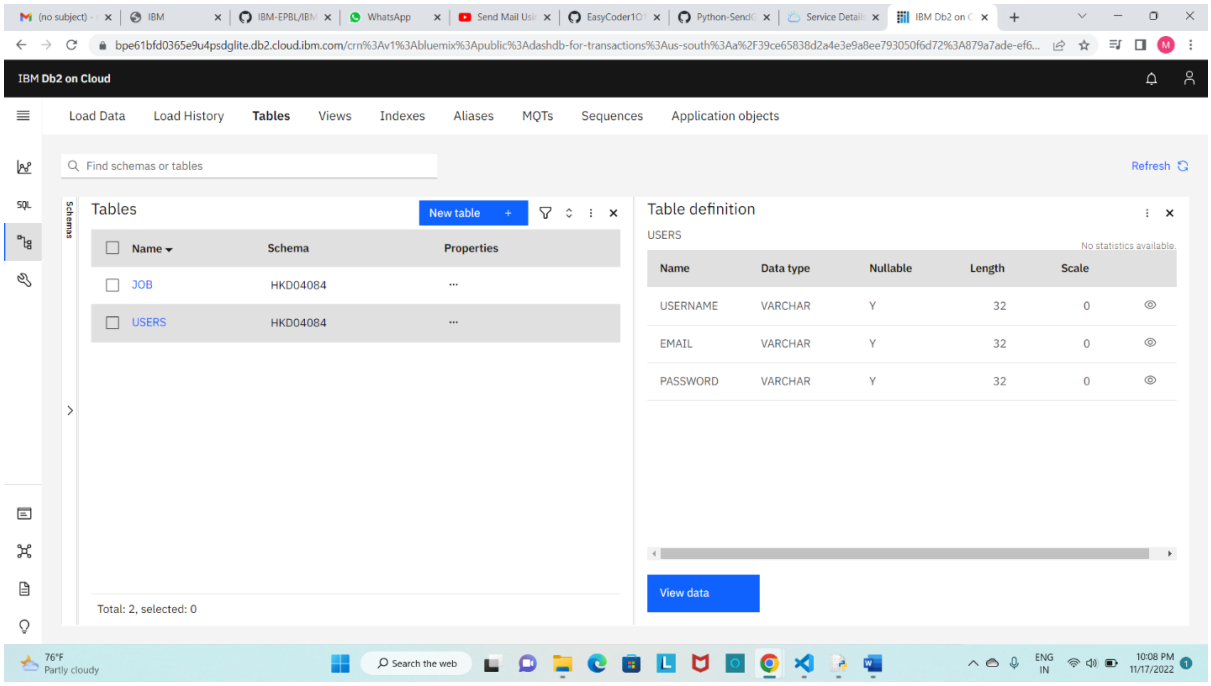
PROJECT DEVELOPMENT PHASE – SPRINT 4

Date	19 November 2022
Team ID	PNT2022TMID34565
Project Name	Project – Skill/Job Recommender

DATABASE:







App.py:

```
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.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30756;SECURITY=SSL;SSLServerCertificate=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=?"
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        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)
```

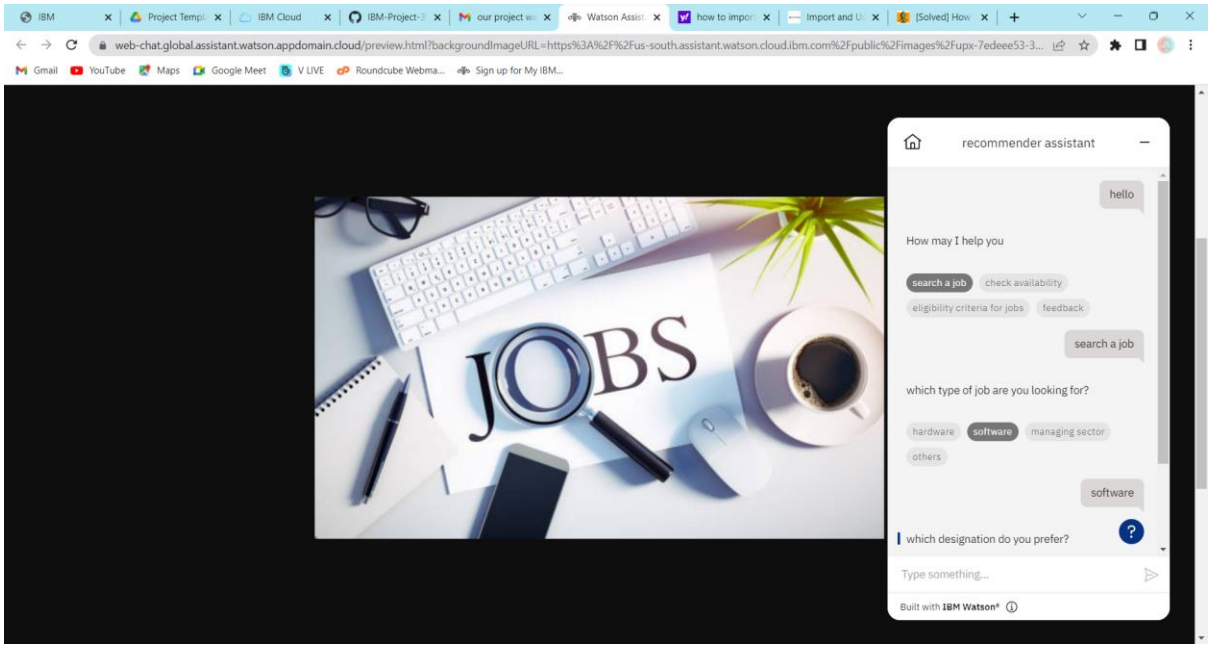
```
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        if account:
          msg = 'there is only 1 job position! for you'
          return render_template('apply.html', msg = msg)
        insert_sql = "INSERT INTO  job VALUES (?, ?, ?, ?, ?)"
        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)
```

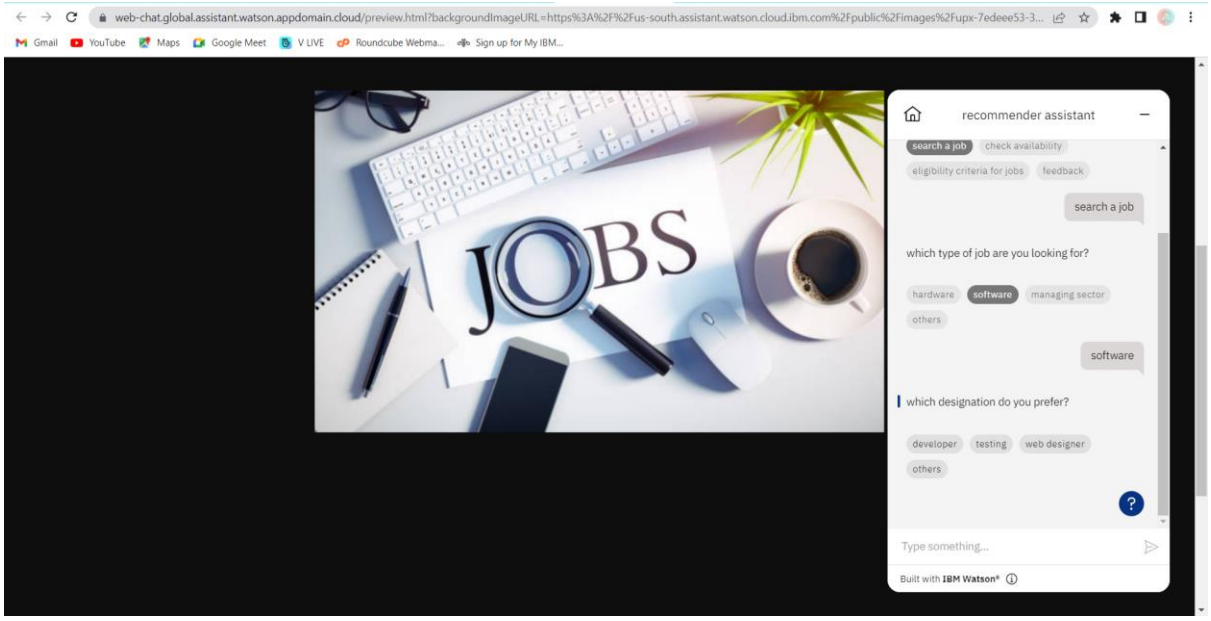
```
@app.route('/logout')
def logout():
  session.pop('loggedin', None)
  session.pop('id', None)
  session.pop('username', None)
  return render_template('home.html')
if __name__ == '__main__':
  app.run(host='0.0.0.0')
```

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-d760ebebf295&region=us-south&serviceInstanceID=7edeee53-3201-4ab0-afc5-e8482dcaab3f

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V LIVE
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eligibility criteria for jobs
feedback
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which type of job are you looking for?
hardware
software
managing sector
others
software
which designation do you prefer?
developer
testing
web designer
others
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