Implementing Web Application

Create IBM DB2 and Connect with Python

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Project Name	Skill / Job Recommender Application

STEP 1: Created IBM db2 services:
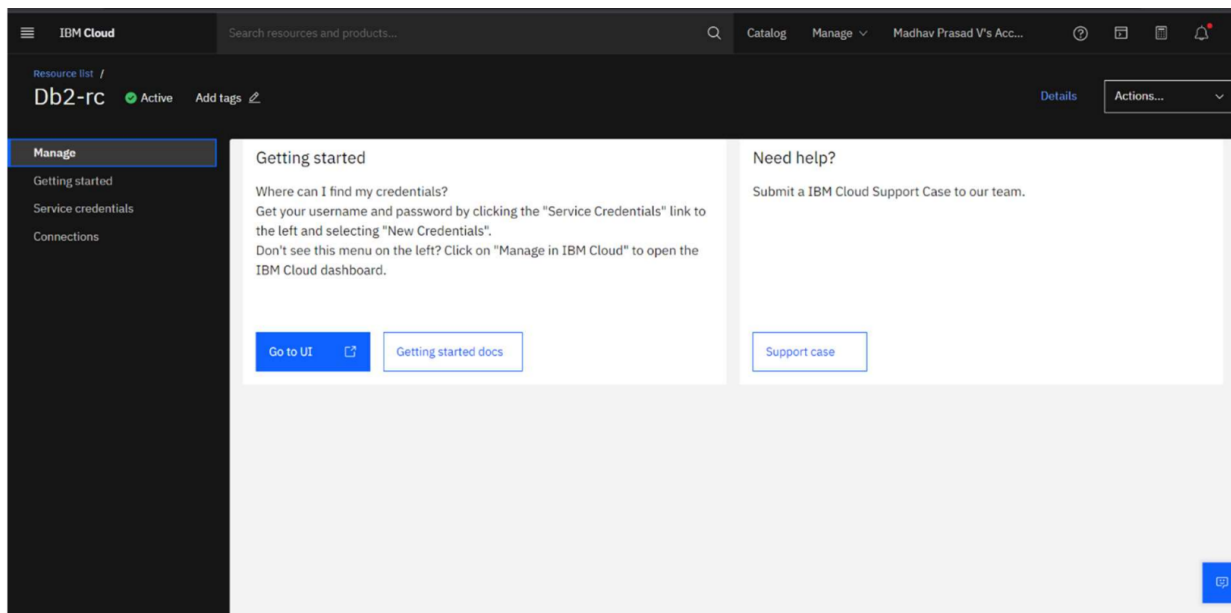
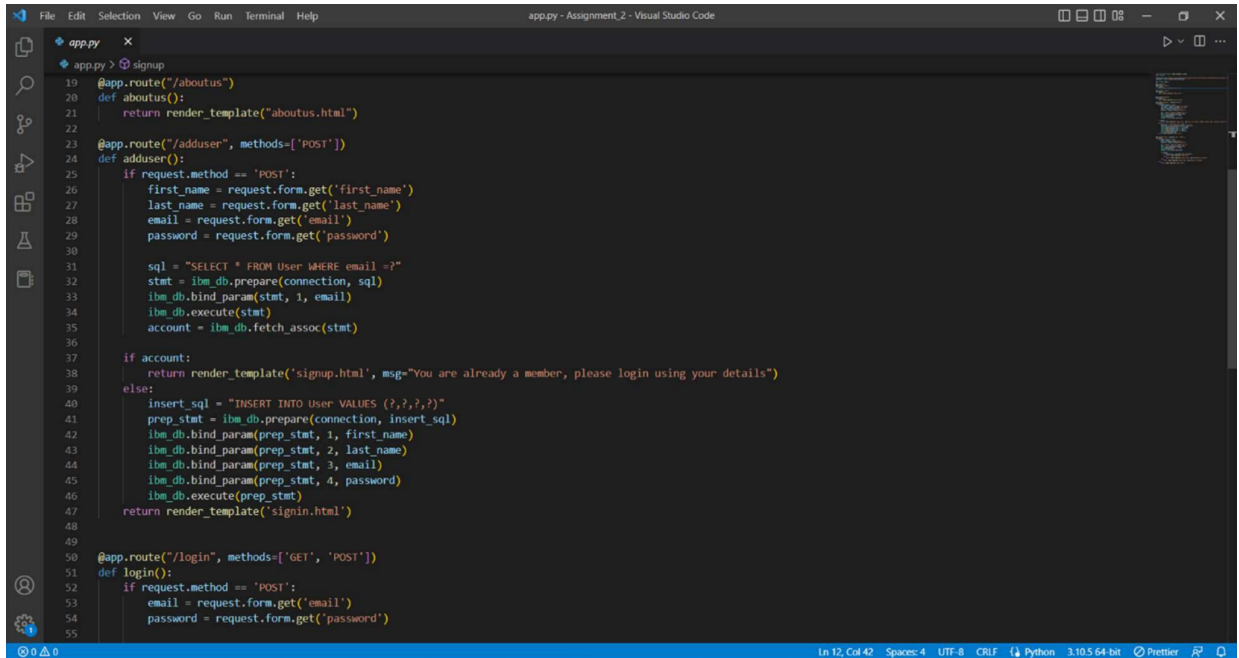**STEP 2: Import the ibm_db Python library:**

Pip install ibm_db
Import ibm_db

STEP 3: Identify the database connection credentials:

connectionstring="DATABASE=bludb;HOSTNAME=3883e7e4-18f5-4afe-be8cfa31c41761
d2.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31498;PROTOCOL=T
CPIP;UID=kmy46098;PWD=PN0aG7meNBbB7HH1;SECURITY=SSL;"
connection = ibm_db.connect(connectionstring, '', '')

STEP 4: Integrate IBM DB2 with python code:


```python
@app.route("/aboutus")
def aboutus():
    return render_template("aboutus.html")

@app.route("/adduser", methods=['POST'])
def adduser():
    if request.method == 'POST':
        first_name = request.form.get('first_name')
        last_name = request.form.get('last_name')
        email = request.form.get('email')
        password = request.form.get('password')

        sql = "SELECT * FROM User WHERE email =?"
        stmt = ibm_db.prepare(connection, sql)
        ibm_db.bind_param(stmt, 1, email)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)

        if account:
            return render_template('signup.html', msg="You are already a member, please login using your details")
        else:
            insert_sql = "INSERT INTO User VALUES (?,?,?,?)"
            prep_stmt = ibm_db.prepare(connection, insert_sql)
            ibm_db.bind_param(prep_stmt, 1, first_name)
            ibm_db.bind_param(prep_stmt, 2, last_name)
            ibm_db.bind_param(prep_stmt, 3, email)
            ibm_db.bind_param(prep_stmt, 4, password)
            ibm_db.execute(prep_stmt)
        return render_template('signin.html')

@app.route("/login", methods=['GET', 'POST'])
def login():
    if request.method == 'POST':
        email = request.form.get('email')
        password = request.form.get('password')
```

STEP 5: Close the Connection:

ibm_db.close(conn)