Implementing Web Application

IBM DB2 with Python

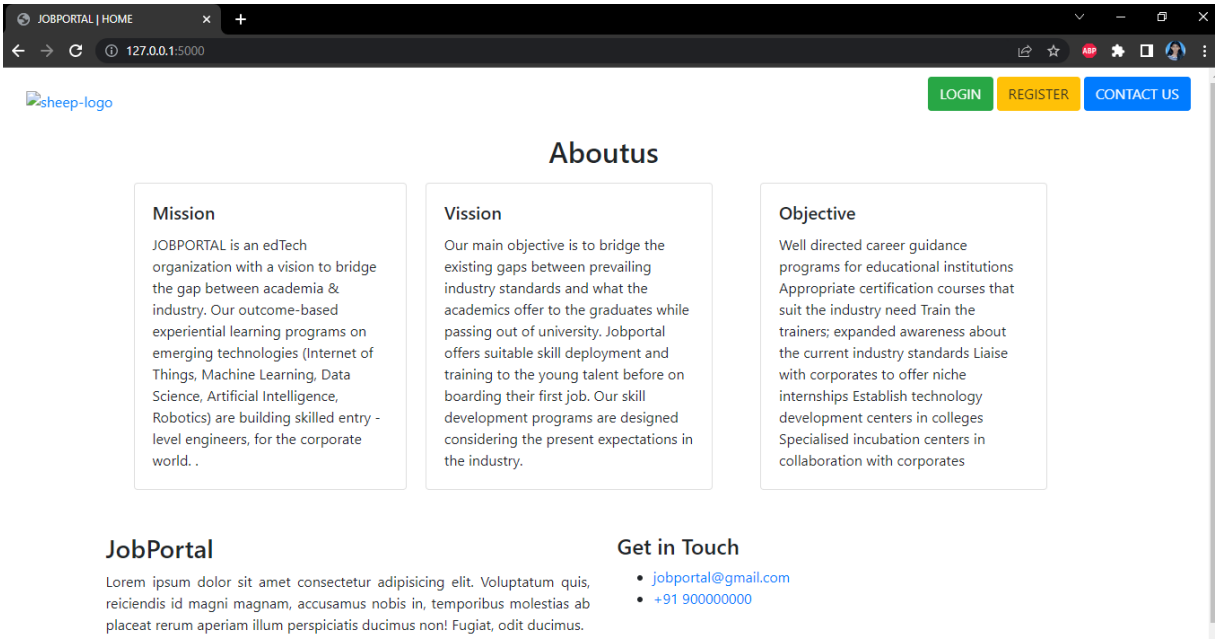
Date	26 November 2022
Team ID	PNT2022TMID34631
Project Name	Nutrition Assistant Application

App.py

```
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db import re

app = Flask(__name__) app.secrect_key = 'a' conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=8e359033-a1c9-4643-82ef-
8ac06f5107eb.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30120;SECURITY=SSL;SSLSe
rverCertificate=Dig.crt;","USERNAME=zdg80277;","PASSWORD=TvckWLv51123R3Eu;")

@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['Logged'] = True
session['id'] = account['USERNAME']
userid = account['USERNAME']
session['USERNAME'] =
account['USERNAME']          msg =
'Logged success'          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
register():     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 exists !'         elif not
re.match(r'[^@]+@[^@]+\.[^@]+',email):
            msg = 'Invalid email id'         elif not
re.match(r'[A-Za-z0-9]+',username):             msg =
'must only contain character n nos !'         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 =
'Registration Success !'

   elif request.method == 'POST':
      msg = 'Fill d form !'
   return render_template('register.html',msg = msg)

@app.route('/dashboard') def
dash():
   return render_template('dashboard.html') @app.route('/apply',methode = ['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
=?'
```

```
      insert_sql = 'INSERT INTO jobs 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 = 'job applied
Successfullf !'

   elif request.method == 'POST':
      msg = "fill d 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 users =%s',(session['id']))
account = cursor.fetchone()     print('account display, 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(debug = True)
```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Aboutus
Mission
JOBPORTAL is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry - level engineers, for the corporate world. .
Vission
Our main objective is to bridge the existing gaps between prevailing industry standards and what the academics offer to the graduates while passing out of university. Jobportal offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed considering the present expectations in the industry.
Objective
Well directed career guidance programs for educational institutions Appropriate certification courses that suit the industry need Train the trainers; expanded awareness about the current industry standards Liaise with corporates to offer niche internships Establish technology development centers in colleges Specialised incubation centers in collaboration with corporates
JobPortal
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