

Sprint 3

Team Id	PNT2022TMID43362
Project Name	Skill/Job Recommender Application

Deliverables:

- 1.Created routes for welcome page, register page, login page, forget page, skills page and about us page
- 2.Connected IBM_db with flask

Code: (app.py)

```
from flask import Flask,
render_template,request,redirect,url_for,session,flash
import ibm_db
import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
import requests

app=Flask(__name__)
app.secret_key='a'

conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6
ff.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;SECURITY=SSL;
SSLServerCertificat=DigiCertGlobalRootCA.crt;UID=mjc12838;PWD=R0w7xxbuh4C1
PKHz",'','')

@app.route("/")
def dash():
    return render_template('welcome.html',msg=" ")

@app.route("/register")
```

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def signup():
    return render_template('register.html')

@app.route("/register",methods=['GET','POST'])
def register():
    error = None
    if request.method=='POST':
        username=request.form['username']
        email=request.form['email']
        phone_number=request.form['phonenumber']
        password=request.form['password']
        pin=request.form['pin']
        sql="SELECT * FROM user WHERE username=?"
        prep_stmt=ibm_db.prepare(conn,sql)
        ibm_db.bind_param(prepare_stmt,1,username)
        ibm_db.execute(prepare_stmt)
        account=ibm_db.fetch_assoc(prepare_stmt)
        print(account)
        if account:
            error="Account already exists! Log in to continue !"
        else:
            insert_sql="INSERT INTO user values(?,?,?,?,?)"
            prep_stmt=ibm_db.prepare(conn,insert_sql)
            ibm_db.bind_param(prepare_stmt,1,email)
            ibm_db.bind_param(prepare_stmt,2,username)
            ibm_db.bind_param(prepare_stmt,3,phone_number)
            ibm_db.bind_param(prepare_stmt,4,password)
            ibm_db.bind_param(prepare_stmt,5,pin)
            ibm_db.execute(prepare_stmt)

    else:
        pass
    return render_template('login.html',error=error)

@app.route("/login")
def signin():
    return render_template('login.html')

@app.route('/login',methods=['GET','POST'])

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def login():
    error = None
    if request.method=='POST':
        username=request.form['username']
        password=request.form['password']
        sql="SELECT * FROM user 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']
            session["username"]=account["USERNAME"]
            flash("Logged in successfully!")
            return render_template('welcome.html',error=error)
        else:
            error="Incorrect username / password"
            return render_template('login.html')

@app.route('/forget',methods=['GET','POST'])
def forget():
    error = None
    if request.method=='POST':
        username=request.form['username']
        pin=request.form['pin']
        sql="SELECT * FROM user WHERE username=? AND pin=?"
        stmt=ibm_db.prepare(conn,sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt,2,pin)
        ibm_db.execute(stmt)
        account=ibm_db.fetch_assoc(stmt)
        print(account)
        if account:
            session['Loggedin']=True
            session['id']=account['USERNAME']

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```
        session["username"]=account["USERNAME"]
        return redirect(url_for("home"))
    else:
        error="Incorrect username / pin"
        return render_template('login.html',error=error)
    return render_template('forget.html',error=error)

@app.route('/welcome')
def welcome_page():
    return render_template("welcome.html",msg=" ")

@app.route('/home')
def home():
    return render_template("welcome.html",msg=" ")

@app.route('/skills')
def skills():
    return render_template("skills.html",msg=" ")

@app.route('/about')
def about():
    return render_template("about.html",msg=" ")

@app.route('/contact')
def contact():
    return render_template("contact.html",msg=" ")

if __name__=='__main__':

    app.run(debug=True)
```

Outputs of IBM_db:

← → ↻ 🏠 <https://bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/cn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F3981dbce0c04a34827debe1be44254b%3A1b6bf666-9...> ⌵ ☆ 🛡️ 👤 ⋮

IBM Db2 on Cloud 🔔 👤

☰ Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

📄 SQL

MJC12838.USER Back

🗑️ Export to CSV ⬇️

EMAIL	USERNAME	PHONE_NUMBER	PASSWORD	PIN
19ec101@psgitech.ac.in	Aishvarya	9876543210	██████	9876
19ec122@psgitech.ac.in	Aishika	9959086407	██████	1234

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