

IMPLEMENTING WEB APPLICATION

Create IBM DB2 and Connect with Python

Team ID	PNT2022TMID46372
Project Name	Customer Care Registry

Code:

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

import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=cly12872;PWD=9Xh8GywCiKnJXHUL","", "")

app = Flask(__name__)

@app.route("/")
def log():
    return render_template('index.html')

@app.route("/logi")
def logi():
    return render_template('login.html', name="login")

@app.route('/register',methods = ['POST'])
def register():
    if request.method == 'POST':

        name = request.form['username']
```

```
emailid = request.form['email']
password = request.form['password']
repassword = request.form['repassword']
contact = request.form['contact']
role=request.form['role']
```

```
sql = "SELECT * FROM login WHERE emailid =?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,emailid)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
```

```
if account:
```

```
    return render_template('login.html', msg="You are already a member, please
login using your details")
```

```
else:
```

```
    insert_sql = "INSERT INTO login VALUES (?, ?, ?, ?, ?, ?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, emailid)
    ibm_db.bind_param(prepare_stmt, 3, password)
    ibm_db.bind_param(prepare_stmt, 4, repassword)
    ibm_db.bind_param(prepare_stmt, 5, contact)
    ibm_db.bind_param(prepare_stmt, 6, role)
    ibm_db.execute(prepare_stmt)
```

```
    return render_template('login.html', msg="Data saved successfully..Please login
using your details")
```

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

```
def login():
```

```
    email = request.form['email']
    password = request.form['password']
```

```

role = request.form['role']

sql = "SELECT * FROM login WHERE emailid =? AND password=? AND role=?"
stmt = ibm_db.prepare(conn, sql)
ibm_db.bind_param(stmt,1,email)
ibm_db.bind_param(stmt,2,password)
ibm_db.bind_param(stmt,3,role)
ibm_db.execute(stmt)
account = ibm_db.fetch_assoc(stmt)
print(account)
print(account['ROLE'])
print(account['ROLE'].strip())
if (account['ROLE'].strip()=="user"):
    return render_template('user.html')
elif(account['ROLE'].strip()=="agent"):
    return render_template('agent.html')
elif(account['ROLE'].strip()=="admin"):
    return render_template('admin.html')
else:
    return render_template('login.html', msg="Login unsuccessful. Incorrect
username / password !")

```

```

@app.route('/usercomplaint',methods=['POST'])
def usercomplaint():
    if request.method == 'POST':

        name = request.form['name']
        item = request.form['itemname']
        dateofpurchase= request.form['dateofpurchase']
        complaint = request.form['complaint']
        print("i am in usercomplaint")

```

```
if(name!=""):
```

```
    insert_sql = "INSERT INTO complaint VALUES (?, ?, ?, ?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prepare_stmt, 1, name)
    ibm_db.bind_param(prepare_stmt, 2, item)
    ibm_db.bind_param(prepare_stmt, 3, dateofpurchase)
    ibm_db.bind_param(prepare_stmt, 4, complaint)
    ibm_db.execute(prepare_stmt)
```

```
    return render_template('login.html', msg="Data saved successfully..Please login
using your details")
```

```
@app.route('/v_timestamp')
```

```
def v_timestamp():
```

```
    sql="SELECT * FROM complaint"
    stmt = ibm_db.prepare(conn, sql)
    data = mycursor.fetchall()
    return render_template('v_timestamp.html', data=data)
```

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

```
def about():
```

```
    return render_template('about.html', name="About")
```

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

```
def contact():
```

```
    return render_template('contact.html', name="Contact")
```

```
if __name__ == "__main__":
```

```
    app.run(debug=True)
```

Outputs:

