

Implementing Web Application

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Project Name	Customer Care Registry

Create UI To Interact With Application:

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

```
import ibm_db  
conn =  
ibm_db.connect("DATABASE=bludb;HOSTNAME=fbd88  
901-ebdb-4a4f-a32e-  
9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdo  
main.cloud;PORT=32731;SECURITY=SSL;SSLServerCertifi  
cate=DigiCertGlobalRootCA.crt;UID=cly12872;PWD=9Xh  
8GywCiKnJXHUL","",")
```

```
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:



