

Github Repo: <https://github.com/IBM-EPBL/IBM-Project-25616-1659968559>

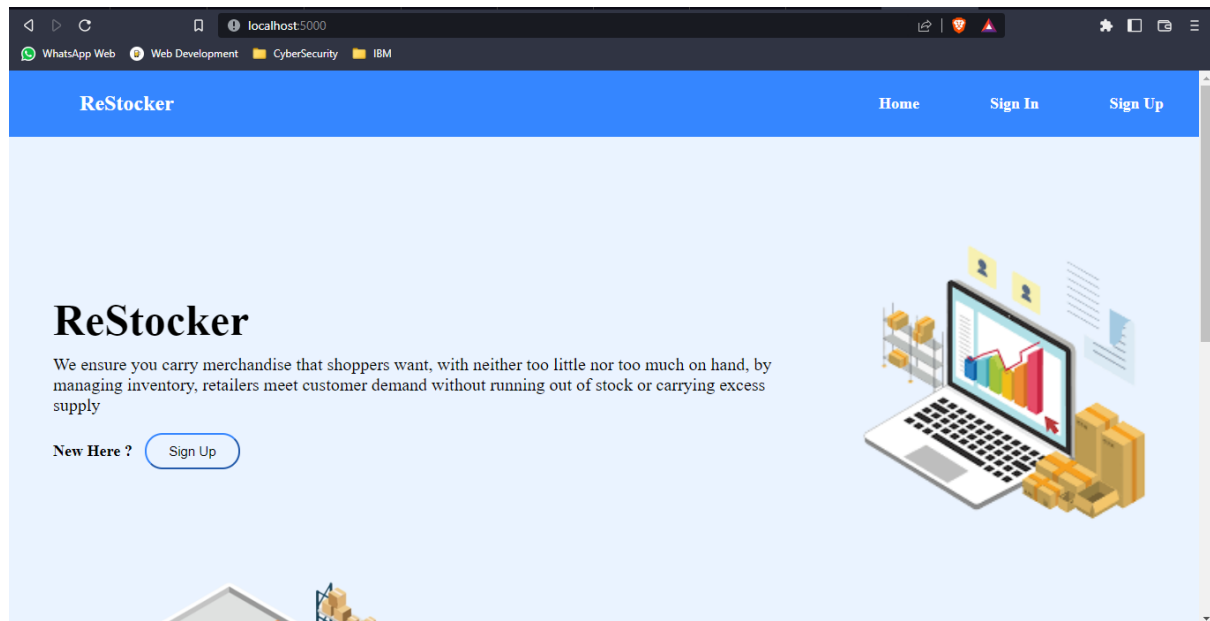
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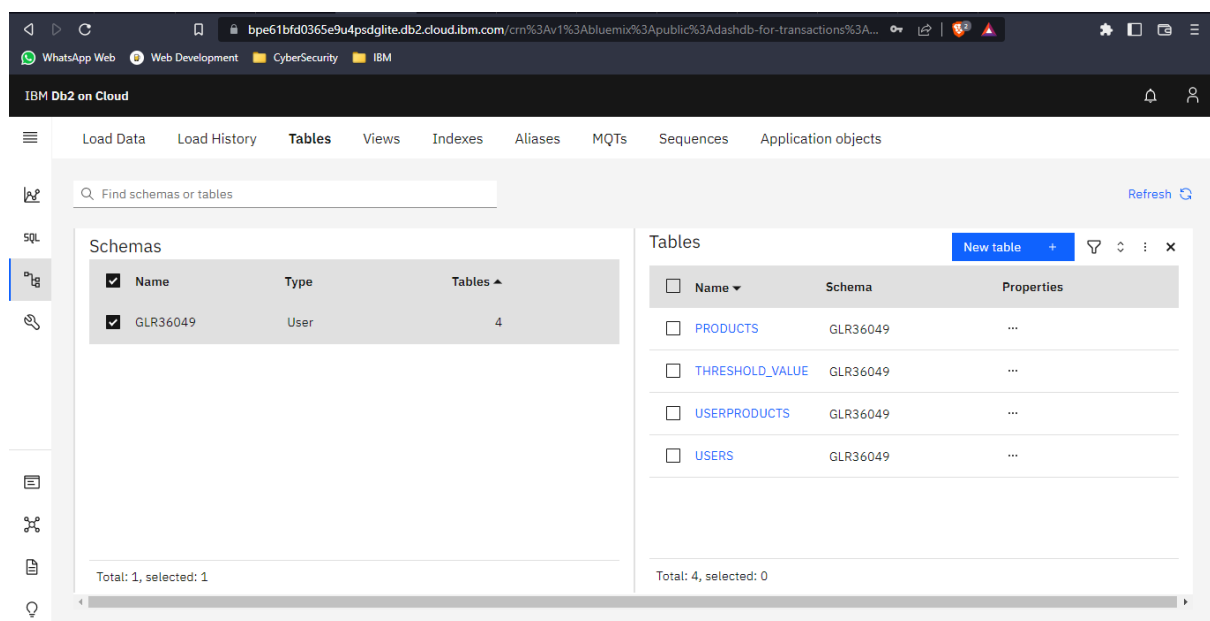
Implementing Web Application

Connect UI to Interact with application

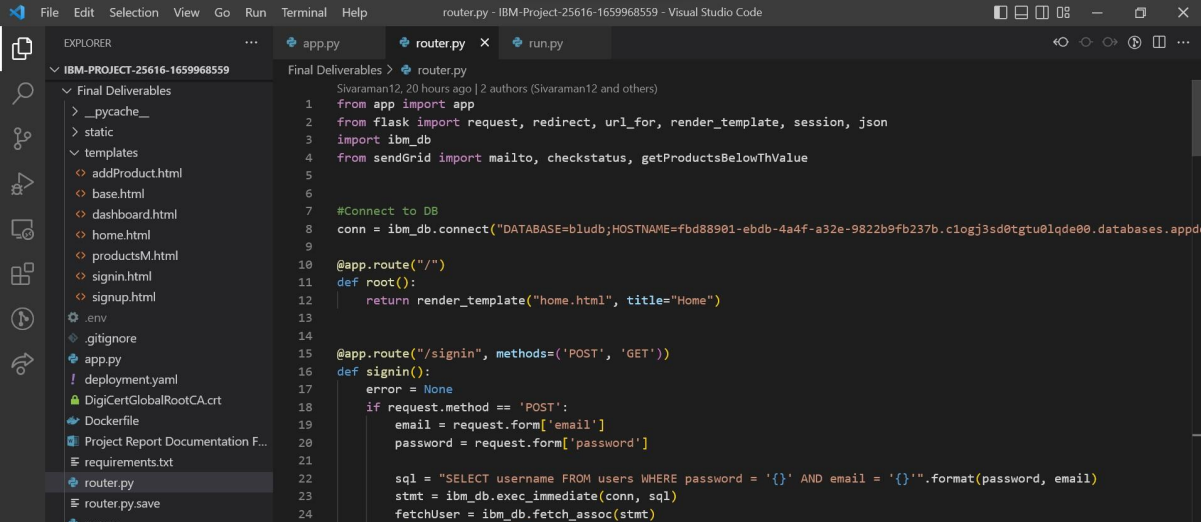


Create IBM DB2 and Connect with Python

Create tables in IBM DB2



Integrate with Python



The screenshot shows the Visual Studio Code interface with a project named 'IBM-PROJECT-25616-1659968559'. The Explorer panel on the left shows a file structure with folders like 'Final Deliverables', 'static', and 'templates', and files like 'addProduct.html', 'base.html', 'dashboard.html', 'home.html', 'productsM.html', 'signin.html', 'signup.html', '.env', '.gitignore', 'app.py', 'deployment.yaml', 'Dockerfile', 'Project Report Documentation F...', 'requirements.txt', 'router.py', 'router.py.save', and 'run.py'. The main editor displays the 'router.py' file, which contains the following Python code:

```
1 from app import app
2 from flask import request, redirect, url_for, render_template, session, json
3 import ibm_db
4 from sendGrid import mailto, checkstatus, getProductsBelowThValue
5
6
7 #Connect to DB
8 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=fbd88901-ebdb-4a4f-a32e-9822b9fb237b.clogj3sd0tgtu0lqde00.databases.appd
9
10 @app.route("/")
11 def root():
12     return render_template("home.html", title="Home")
13
14
15 @app.route("/signin", methods=('POST', 'GET'))
16 def signin():
17     error = None
18     if request.method == 'POST':
19         email = request.form['email']
20         password = request.form['password']
21
22         sql = "SELECT username FROM users WHERE password = '{}' AND email = '{}'.format(password, email)"
23         stmt = ibm_db.exec_immediate(conn, sql)
24         fetchUser = ibm_db.fetch_assoc(stmt)
```