

IMPLEMENTING WEB APPLICATION

Create An Account CREATE APIs IN FLASK

Date	14 November 2022
Team ID	PNT2022TMID37165
Project Name	CONTAINMENT ZONE ALERTING

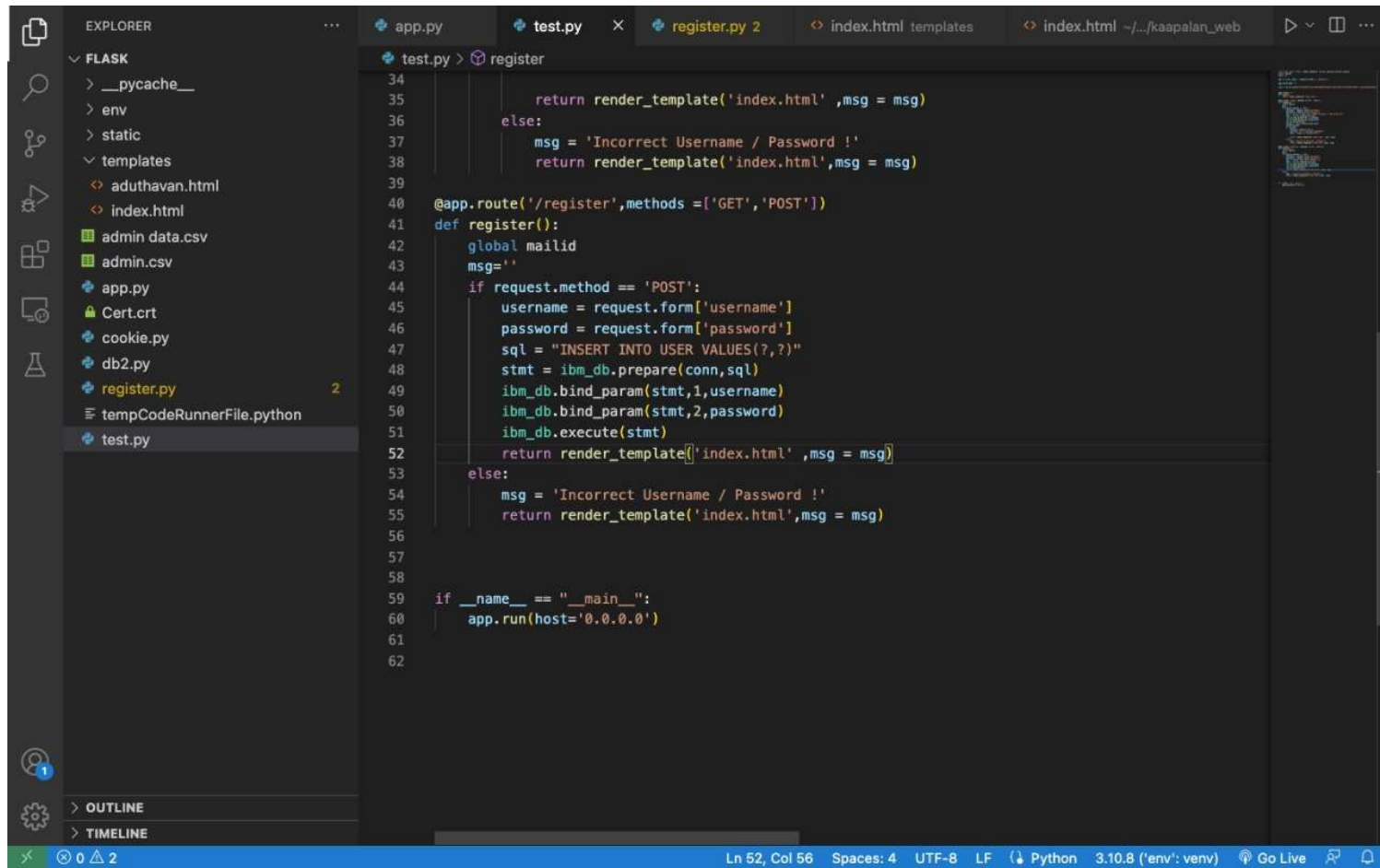
CREATE APIs IN FLASK:

The screenshot displays a VS Code editor interface with a project named 'FLASK'. The Explorer panel on the left shows the file structure, including 'admin data.csv', 'admin.csv', 'aduthavan.py', 'app.py', 'Cert.crt', 'cookie.py', 'db2.py', 'register.py', 'tempCodeRunnerFile.python', and 'test.py'. The main editor window shows the code for 'db2.py', which imports 'ibm_db' and defines a DSN for an IBM DB2 database. The code includes connection parameters like hostname, uid, pwd, driver, db, port, protocol, and cert. It then attempts to connect to the database and prints the connection status.

```
1 import ibm_db
2 hostname="ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud"
3 uid="djoy96762"
4 pwd="cNFJRrdL17ah7wbW"
5 driver="{IBM DB2 ODBC DRIVER}"
6 db="bludb"
7 port="31321"
8 protocol="TCPIP"
9 cert="Cert.crt"
10
11 dsn=(
12     "DRIVER={0};"
13     "DATABASE={0};"
14     "HOSTNAME={1};"
15     "PORT={2};"
16     "UID={3};"
17     "SECURITY=SSL;"
18     "SSLServerCertificate={4};"
19     "PWD={5};".format(db,hostname,port,uid,cert,pwd)
20
21 print(dsn)
22 try:
23     db2=ibm_db.connect(dsn,"","")
24     print("connected to database")
25 except:
26     print("unable to connect",ibm_db.conn_errormsg())
```

The terminal window at the bottom shows the command prompt and the execution of the Flask application. It displays a traceback error for the 'import ibm_db' statement, indicating that the module is not found. The user then sources the environment file and runs the application again, which successfully connects to the database.

```
admin@Sutharshans-MacBook-Air flask % python -u "/Users/admin/Desktop/flask/db2.py"
Traceback (most recent call last):
  File "/Users/admin/Desktop/flask/db2.py", line 1, in <module>
    import ibm_db
ImportError: No module named ibm_db
admin@Sutharshans-MacBook-Air flask % source /Users/admin/Desktop/flask/env/bin/activate
(env) admin@Sutharshans-MacBook-Air flask % python -u "/Users/admin/Desktop/flask/db2.py"
DRIVER=bludb;DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=31321;UID=djoy96762;SECURITY=SSL;SSLServerCertificate=Cert.crt;PWD=cNFJRrdL17ah7wbW;
connected to database
(env) admin@Sutharshans-MacBook-Air flask %
```



```
34
35     return render_template('index.html', msg = msg)
36 else:
37     msg = 'Incorrect Username / Password !'
38     return render_template('index.html', msg = msg)
39
40 @app.route('/register', methods = ['GET', 'POST'])
41 def register():
42     global mailid
43     msg = ''
44     if request.method == 'POST':
45         username = request.form['username']
46         password = request.form['password']
47         sql = "INSERT INTO USER VALUES(?,?)"
48         stmt = ibm_db.prepare(conn, sql)
49         ibm_db.bind_param(stmt, 1, username)
50         ibm_db.bind_param(stmt, 2, password)
51         ibm_db.execute(stmt)
52         return render_template('index.html', msg = msg)
53     else:
54         msg = 'Incorrect Username / Password !'
55         return render_template('index.html', msg = msg)
56
57
58
59 if __name__ == "__main__":
60     app.run(host='0.0.0.0')
61
62
```

Ln 52, Col 56 Spaces: 4 UTF-8 LF Python 3.10.8 ('env': venv) Go Live

