Server Project Chat : Tool Installation Document

Max RENAUDON
Thomas REY
Amel SEDDIK

1) Download the project.

2) First, we need to *launch the db_init.py* file to be sure that the database *chat_user_storage.db* is correctly initialized.

3) Then we will execute the codes through the command prompt.

On the prompt you must install some packages if you don't already have it :

- pip install datetime
- pip install socket
- pip install threading
- pip install os
- pip install sqlite3

4) Then you launch on one hand the server and on the other up to 50 users on the prompt.

- python server.py (from the directory where the file server.py is, you can use cd to access it)

```
D:\Documents\A4_IOS\NETWORK ARCHITECTURE\PROJECT\SERVER>python server.py
Server is listening...
```

- python client.py (from the directory where the file client.py is, you can use cd to access it)

```
D:\Documents\A4_IOS\NETWORK ARCHITECTURE\PROJECT\CLIENT>python client.py
```

You can now use our chat server, have fun !

Warning :

If after doing the next steps your chat is not working, check your IPv4 address by using 'ipconfig' for Windows and 'ip addr' for linux. Now, before launching the server.py script again, go inside it and change **host** value from the localhost '172.0.0.1' by your IPv4 address.

Example :
```
host = '192.168.0.29'
port=55555
```

Run your server.py and client.py files and your chat should be working !