

Interface User Manual

SAE 302:



Pip install pyqt5 and psutil

This document helps in using the application.

To start we can already launch the server even if launching the client first changes nothing.

- Server launch:

-copy my server.py file

-launch it by dragging the file into a terminal or using the python server.py command

-After launch

Mettez votre port :

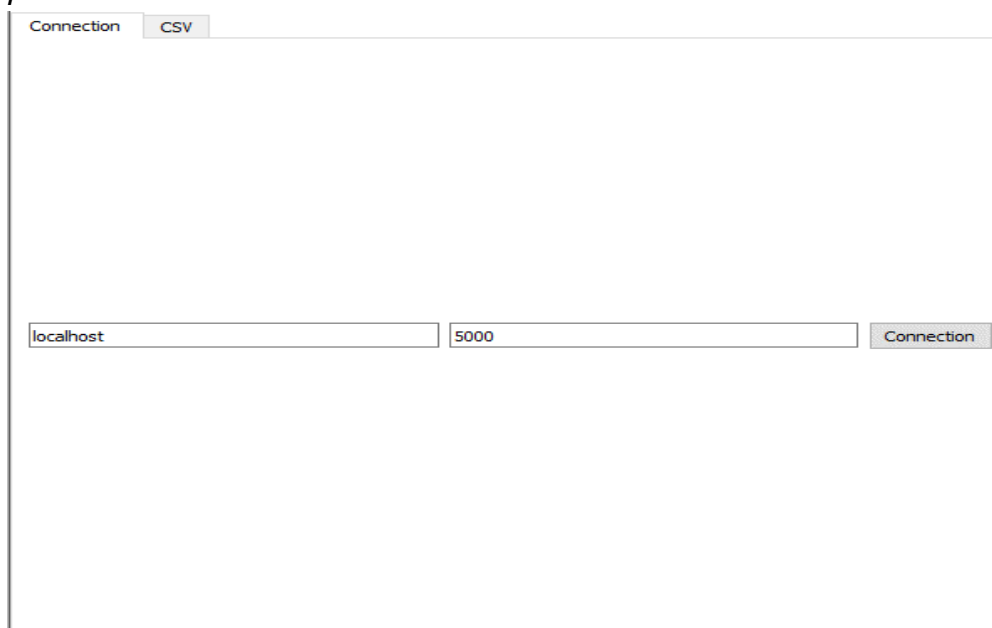
Put the port you want.

Waiting server:

```
Mettez votre port :5000
Socket ouverte sur localhost - 5000
> En attente du client
```

Then launch the client:

-To use pycharm for example or the python client.py command in a terminal



The client interface has a login and csv tab on opening

After having put the correct port and the correct ip click connection a tab will open with the information previously provided.

Connection CSV localhost:5

Click in the newly opened tab.

Connection CSV localhost:8

Envoyer du contenu **envoyer**

You can now communicate with the server and send commands.

Customer order part

User command part:

If we mark something other than the following commands there will be an error saying that he does not know the command.

First part of the commands:

- Command "os": asks for the OS and the type of OS for example MacOS Darwin or Linux Ubuntu 21.4
- "ram" command: total memory, used memory and remaining free memory
- "CPU" command: CPU usage
- "IP" command: Gives the IP address
- "hostname" command: Gives the name of your machine

- “disconnect” command: disconnection from the client interface.
- “reset” command: server reset.
- “kill” command: kills the server so there is nothing left on the server side so the client has no server to communicate to.

Commands as under a Windows linux or MacOS terminal:

- Command "DOS:" put any basic command like a normal terminal for example DOS: ipconfig or DOS: mkdir foo
- help for know all command
- "ping" ip command
- Linux:
- commande Powershell:
- commande python --version

For the csv you have to create the file which I called test.csv and inside you put ip, port. Replace the name if you want

```

129      try:
130          with open('test.csv','r') as file:
131              lines = file.readlines()
132              for line in lines:

```

put like this

```

localhost,5
127.0.0.1,5
qsdsqsqs,sdfsdf

```

Error: I have a problem with the display of the text "MOI" when selecting it reappears.

Conclusion

This SAE was interesting for me because doing Projects in programming always makes me realize that the level and not at all what I expected. I found it complicated at first to set up something like a graphical interface and to be able to have several servers, but with hindsight now I find it easier. The parts that I couldn't do is the csv I wanted to improve it and also improve the display bug that there is sometimes in the interface the 'me' + the command typed by the user does not work not display.