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

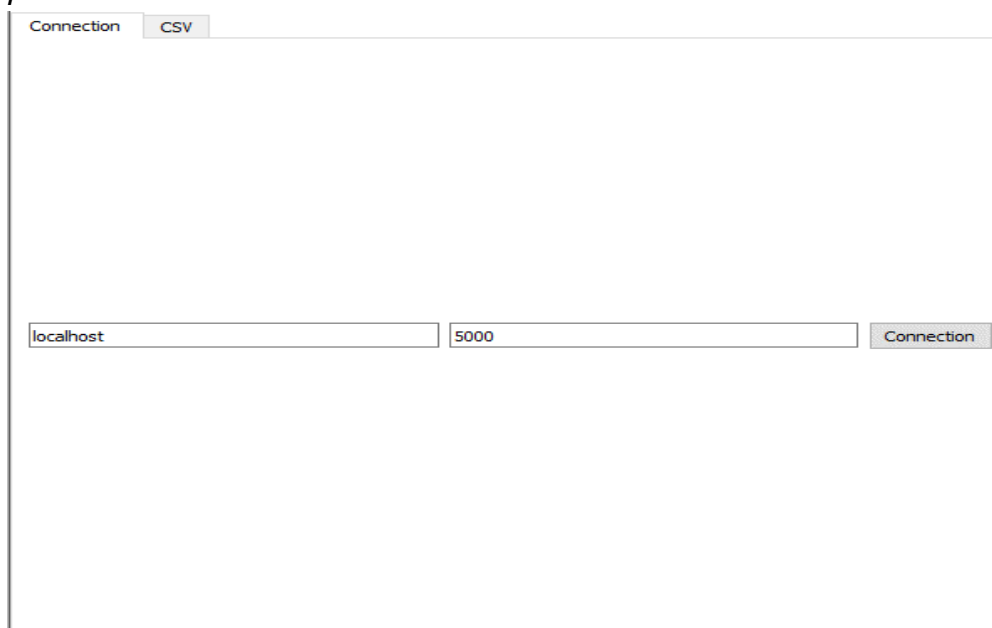*-After launch*

```
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 termina
l

Connection	CSV

localhost	5000	Connection

The client interface has a login and csv tab on opening

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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

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- *"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_ç

```
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.

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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.

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