Assignment 1 Chat Room (server Multiple client communication)

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Subject: Distributed System

Coding language : Python 3

IDE: PyCharm (latest version)

File format :-> extension: file.py

Number of file: 4 1)serverGUI.py

2)server.py

3)clientGUI.py

4)client.py

Instruction

1. Unzip all files in a single folder
2. Open PyCharm
3. Open serverGUI.py file --this will open a server side GUI
4. Click on start server button—this will run server.py and starts our server
5. To load the previous chat click on load button (at first no chat will be available )
6. After clicking the save and exit button it will stop the server and save the chat in server.txt file(click this exit button only after you want to exit the program)
7. Open clientGUI.py file this will open the client chat window
8. Enter the name of the client and the press the start client button (this will start the client connection)
9. Enter the message in the textbox and press send(this will show the message on client and send it to the server )
10. Do same procedure from #4 to open another client (multiple client)
11. Press quit button to close the client chat window

Referances:

1. <https://docs.python.org/2/library/httplib.html>
2. <https://docs.python.org/2/library/datetime.html>
3. <https://www.learnpython.org/en/Modules_and_Packages>
4. <https://github.com/buckyroberts/Turtle/tree/master/Multiple_Clients>
5. <https://www.youtube.com/watch?v=Po5JHXIoDr0&t=5s>