

Readme for Phase I

1. Use two virtual machines to test the functionality of the remote access.
2. Make sure in the virtual machine to configure the network adaptor to be a one that assign different IP address to each virtual computer like bridge adaptor that deal with every virtual computer as a physical one from the point view of the network.
3. Run the server first.
4. Then run the client, a GUI will be displayed.
5. When the server program is run then its IP address will be shown on the CLI.
6. Type the server's IP address in the first box in the client's GUI then press the button Connect to start a connection between the two sides, and a GUI at server side will be shown.
7. Now we have a connection and both sides can exchange the messages.
8. In my implementation, when one side has sent a message, the other side has to press the Display button to display the message that was sent.
9. When one side has sent more than a message and the other side has not displayed them then they will accumulate in the buffer so when the Display button is pressed the messages will be shown next to each other instead of being below each other.
10. When the Client presses the Exit button, the client program will be terminated.
11. A message then will be sent to the server side saying that the client has cut the connection.
12. In order for the terminated message to be shown at the server side, the Display button has to be pressed.