**LAB-1 Submission:-**

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**Sites referred:-**

<https://www.geeksforgeeks.org/socket-programming-in-java/>

<https://stackoverflow.com/questions/19152256/how-to-make-gui-client-to-upload-file-in-java>

<https://www.ejbtutorial.com/distributed-systems/using-sockets-to-create-a-group-chat-system-with-a-graphical-interface>

<https://docs.oracle.com/javase/tutorial/networking/sockets/clientServer.html>

**System Environment:**

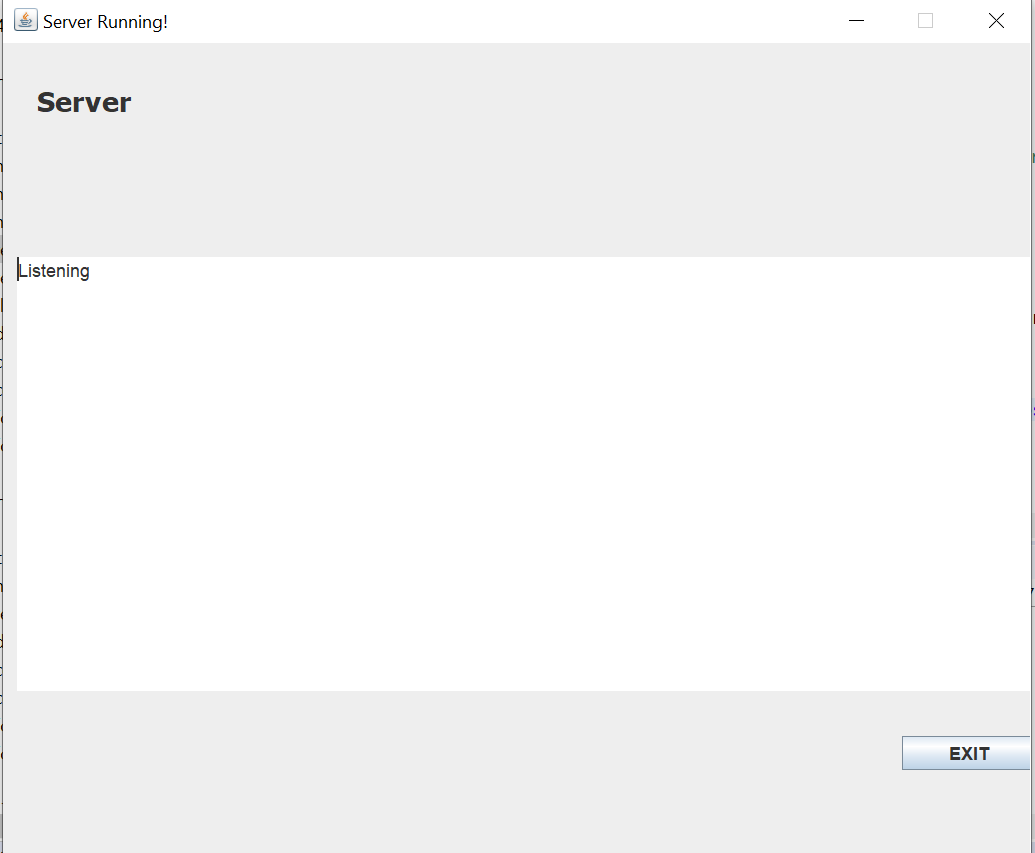
Operating System: Windows

Environment Required: Java Virtual Machine

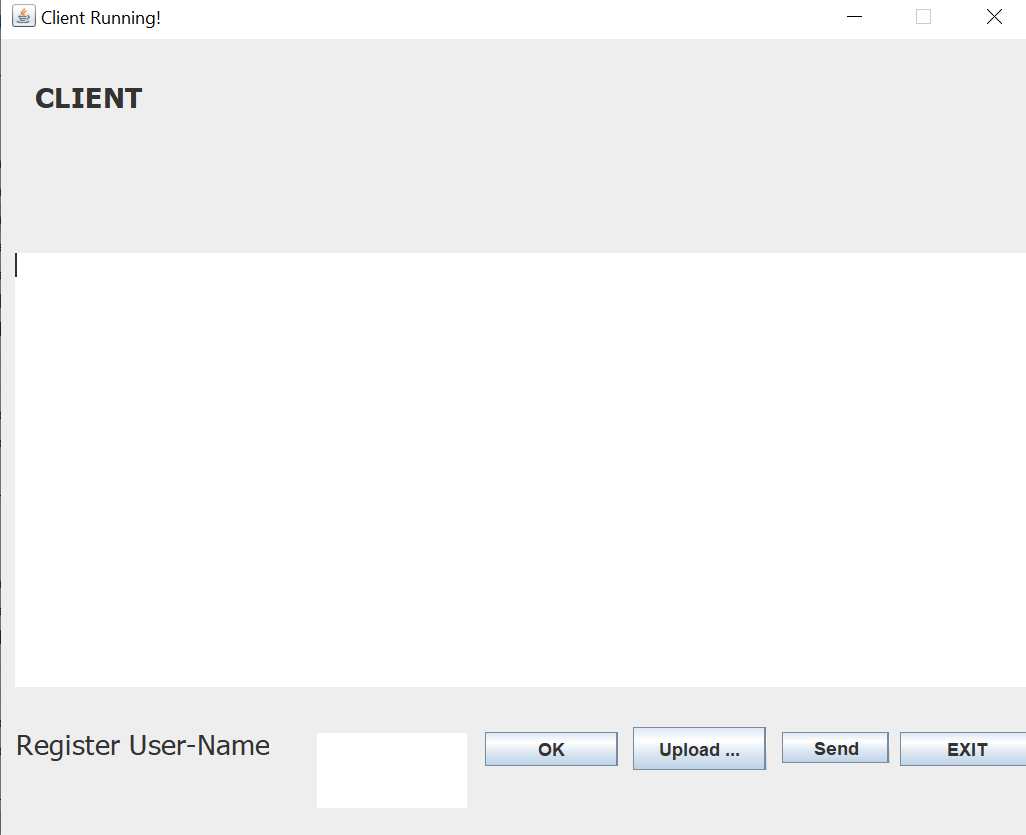
Language: Java

**Instructions for running program:**

1. Download the Eclipse and have JVM installed in the machine.
2. We need to first put all the files of zip under one directory (E.g. : C:\Client\_Server).Sample.txt is the file client will send to server.
3. Run Server\_Side\_Code.java first. This is how it will look:-



1. Now, run the Client.java.--> Register the name of client(Type in the text-box)🡪Click on ‘OK’.



1. Now, click on upload button. Choose the text file provided(sample.txt) and click on ‘Send’ button. You will see the output in on the screen.
2. Open multiple clients and check the output. Click on exit button if you want to exit the server or client.

**Zip Contents:**

1. Client\_Handler.java
2. Client.java
3. Server\_Side\_Code.java
4. Server\_Side\_GUI.java
5. Client\_Side\_GUI.java
6. sample.txt
7. WriteUp.docx