All services are to be run on the same machine. I have only tests on Linux virtual machines.

To use this code, set up MySQL database on the machine. Run all the .sql files in the db\_setup folder in the following order.

Create\_user\_vagrant.sql

Create\_rooms\_table.sql

Create\_messages\_table.sql

Once the MySQL database is setup properly. Make sure that maven is installed on the machine. Change directory to the chatroom-app directory and run the following command:

Mvn clean install

mvn exec:java -Dexec.mainClass="com.chatroomserr.app.App"

This way, the server is fired up in the foreground.

To start the client, go to the Client directory and enter the following command to start the client user interface. The interface will be self-explanatory.

Python3 chatroom\_client.py

Please note when entering any messages or commands, do not include any spaces in between. This is something that needs to be improved on.