***Project Name:***

**ChatSpace**

***Project Description:***

Java Chat is a simple chat program that allows multiple users to connect to the server and start a chat. A project to demonstrate a socket server handling multiple clients sending messages to each other.

***How you plan to utilize the Client/Server architecture:***

* Clients will be able to connect to the server and send global messages to each other.
* The server is responsible for relaying the message to all connected clients.

***Goals/Features: please refer to the video links below***

1. The client will be able to connect to the server

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/1---client%20able%20to%20%20connect%20to%20server.mp4>

1. The client will be able to cleanly disconnect from the server

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/2---client%20disconnects%20from%20the%20server.mp4>

1. The client will be able to reconnect to the server

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/3---client%20can%20disconnect%20and%20connect%20again.mp4>

1. The server will receive a message from any connected client and broadcast it to all connected clients.

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/4---server%20recives%20message%20and%20broadcasted%20to%20other%20users.mp4>

1. The clients will have a standalone UI to interact with instead of running from the command line or IDE.

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/5---UI_client.mp4>

***two reach features:***

6-send a message privately to a user using  @user

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/6---private%20msg.mp4>

7-change the color of the user pseudo name.

<https://github.com/njcisco/IT114/blob/master/FINAL%20PROJECT/7---pseudo%20name%20color%20change.mp4>