Introduction to Java

CS9053

Wednesday 6:30 PM – 9:00 PM

Prof. Dean Christakos

April 8th, 2023

Due: April 15th, 2023 11:59 PM

**Networks: Build a Chat Application**

This assignment is going to require a bit more development than usual.

You are going to use the network to build a simple chat application, using your knowledge of the Java networking API.

Most design issues are up to you, but you will be creating a ChatServer class that creates a window with a JTextArea that displays debug info including who has connected. You will then be creating a ChatClient

What is going to happen is that you are going to start a ChatServer that accepts connections on port 9898 (make sure you don’t have another application accepting connections on this port). This server should be able to accept multiple connections.

Each Chat client should be able to connect to a server on port 9898. Once the chat client is connected, anything a user types in the chat client should be able to be seen by all other connected clients.

See the video demo to see how this works.