Chat Client – Simultaneous Data Entry

Our client supports simultaneous data entry due to the use of threading and message queues. Multiple threads allows the server to listen to all clients at the same time without having to individually check them, meaning messages are dealt with as soon as they arrive.

Because of the use of message queues and their FIFO nature, messages will never be lost since they need to be read and processed before the next message in the queue can be read.