

KTN Project

In this project we are going to implement a chat with a TCP threaded server. We chose to implement the project in Python using the provided skeleton code from the course staff.

We have four classes: Client, MessageReceiver, ThreadedTCPServer, ClientHandler.

ThreadedTCPServer

This class is responsible for accepting incoming TCP connection from the client and creating a ClientHandler object.

ClientHandler

This class receives messages and processes the request from a unique client.

Client

This class initiates TCP connection with the TCP server and takes user input, parses it and sends it to the server.

MessageReceiver

This class functions as a buffer and runs as its own thread. It receives messages from the server and relay them back to the client. This is implemented to avoid the code staling.