

IaS - Exercise sheet 3

Task 1 - TCP Chat

The idea is to have a driver code (*tcp_chat_launcher.py*) that allows to start the application as a server or client, depending on the number of arguments given. For the server, only the port number is needed, for the client also the servers ip address is needed.

In the *tcp_chat* package (TestPyPi) we have two methods, one for initializing a server peer, which listens for a client initially, and the other for the client, which connects to the listening server. Once the connection is established the *run_chat* method is responsible for updating sockets (with `select()`), request data from socket and check if connection is still there (otherwise close connection), receive data and send data if something is typed in the standard input.

To close the connection, enter `:q` as a message.

Task 2 - UDP Chat