

## TTM4100 Project description – group 67

Our design consists of three Python scripts: *Server.py* on the server side, and *Client.py* and *MessageReceiver.py* on the client side. When *Client.py* is run a TCP-connection is established with the server and a *ClientHandler* object is created on the server side. Each client is run as a separate thread so the clients can send and receive messages at the same time. The client sends payload as a *JSON*-objects containing requests and content specifying operations like logging in, sending messages and more. Upon receiving the payload the server handles the request and responds appropriately. For message requests the content of the message is broadcast to all logged in clients.