

TTM4100 - KTN1

Group 59

March 3, 2016

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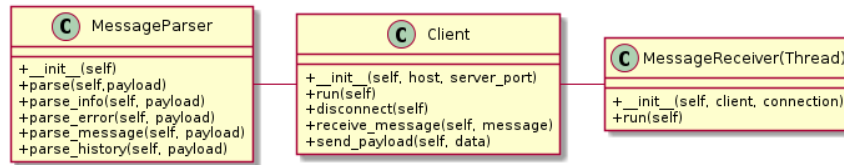
1 General description

We have introduced a new "class" called Server. It contains a dictionary with all the clients and their chat history. This class is included in Clienthandler so that we can control if a username is available and retrieve the chat history of that specific client.

The class diagrams shows the classes with their functions and variables. We have two sequence diagrams that shows a login sequence and a sequence of a message being sent out from a client to all the other clients connected to the server. A Clienthandler is set up for each client connected to the server via threading, so that all communication with the server is handled in parallel. The protocol used for sending information is JSON. The class MessageParser encryptes and decryptes the messages for the client, whereas the messaged on the server side are parsed and encrypted in the clienthandler.

2 Class diagrams

2.1 Client

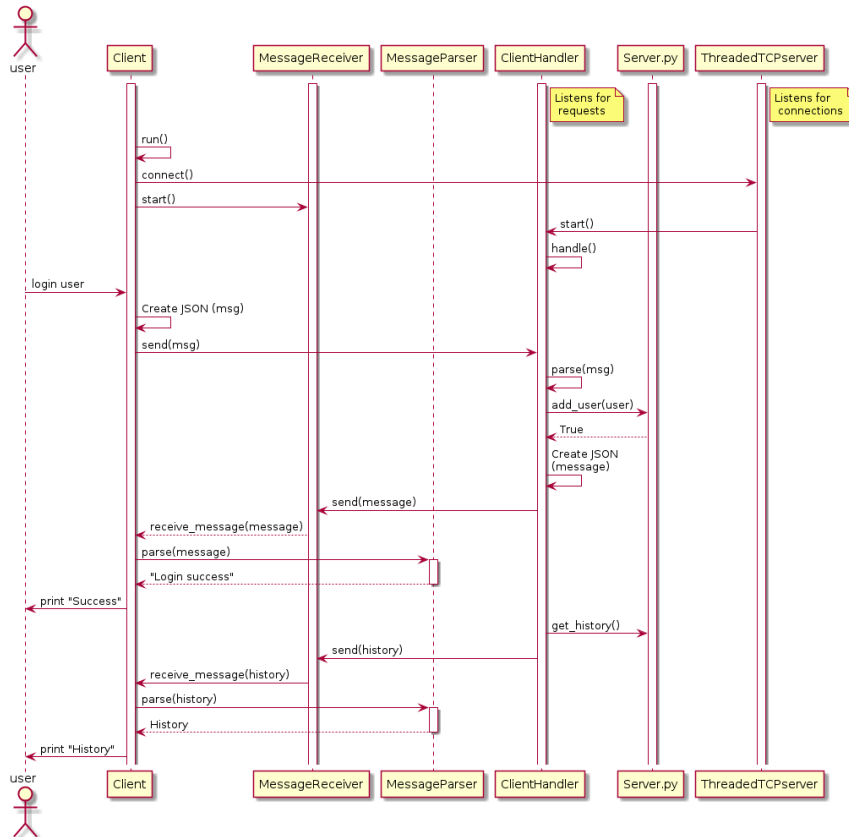


2.2 Server



3 Sequence diagrams

3.1 Log in



3.2 Send message

