Usecase: Login

main actor: client

Minimal guarantee: - "login"
- <error message>
- <username>

Success guarantee: - "login"
- <username>
- [message backlog]

Preconditions: The server is listening.

Trigger: The server receives a login request

Basic Flow:
1. The server responds with: "login"
<username>
[<messages>]

Exceptions:
1.a. Invalid username ! (only alpanumerical characters and underscore)
1. The server responds with: "login"
"invalid username"
<username>

1.b Username is already taken.
1. The server responds with: "login"
"Name already taken!"
<username>

Usecase: Send message from client

Main actor: client

Minimal guarantee: - "message"
- <error message>
- sent to the client

Success guarantee: - "message"
- <the message>
- sent to all clients

Precondition: The client has a connection to the server

Trigger: The server recives a message request.

Basic Flow:
1. The server responds to all clients with: "message"
<the message>

Exceptions:
1a. The client is not logged in
1. The server responds to the client with: "message"
"You are not logged in!"

Usecase: Logout.

Main actor: client

Minimal guarantee: "logout"
<error message>
<username>

Success guarantee: "logout"
<username>

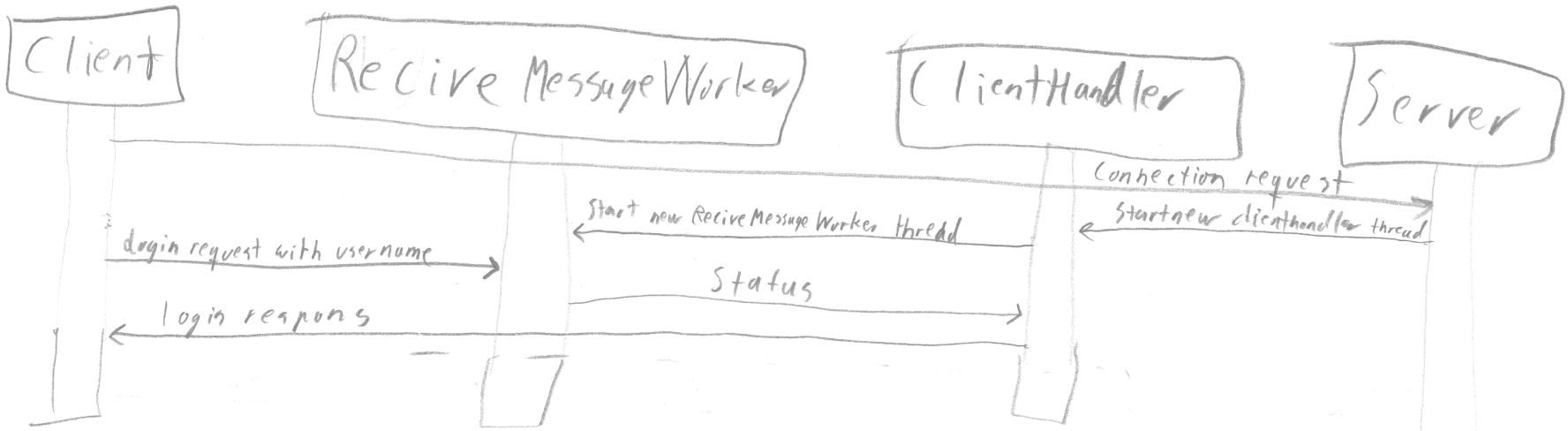
Precondition: The client is connected to the server

Trigger: The server receives a logoutrequest from a client

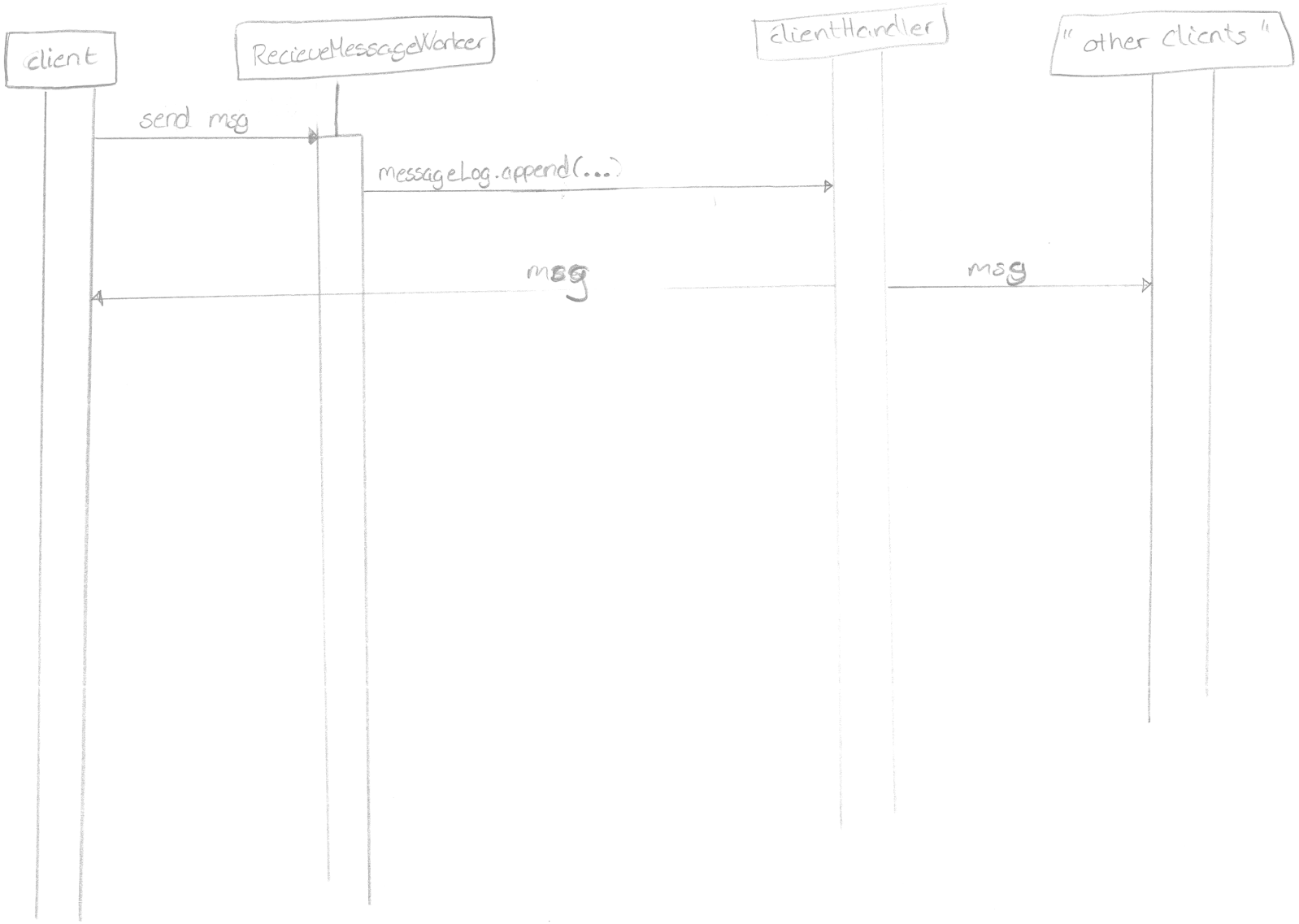
Basic Flow
1. The server responds to the client with: "logout"
<username>

Exceptions:
1.a. The client is not logged in.
1. The server responds with: "logout"
"Not logged in!"
<username>

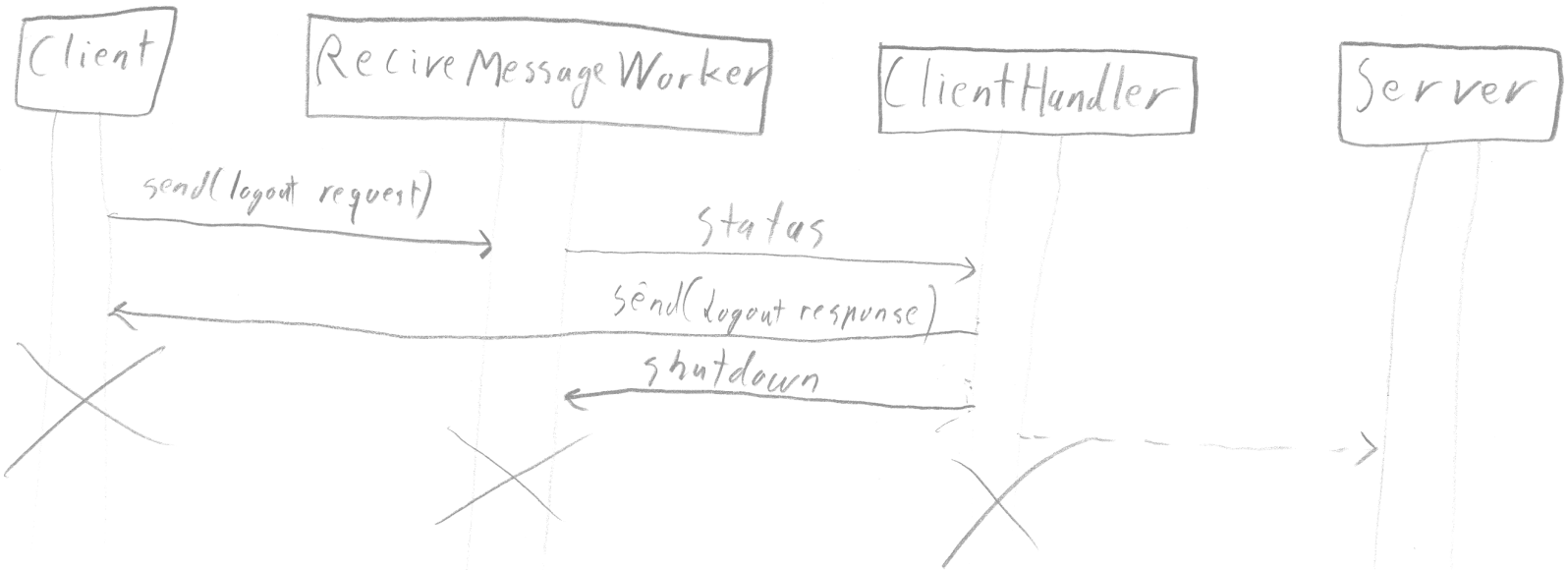
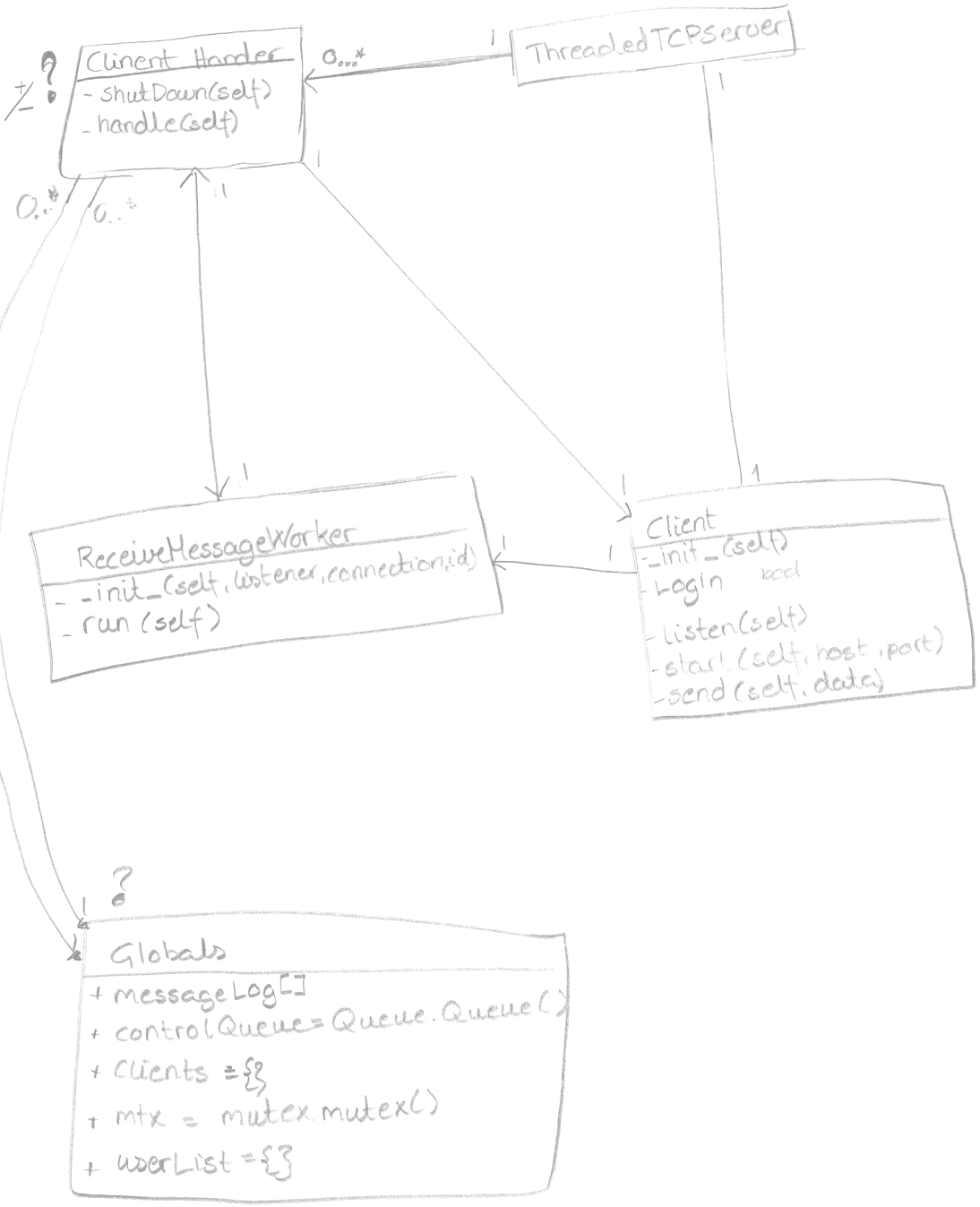
login, sekvens diagram



Send Message Sekvensdiagram



Logout Sekvens diagram



Klasse diag, seq diag, text.