**Requirements**

Functional

1. A new user has to register with the website first by providing a chat name.
2. A marked message is generated and sent to the chat room each time a new user

connects to the chat room or leaves the chat room.

1. A user can request a list of all online users using the “\list” command; that list is

only sent to the requestor.

1. A user can send a message to one dedicated recipient (private message) instead of

to all online users in the chat room

1. A user can send multi-media files to the participants of a chat room or via a private

message, e.g., pictures, movies, sound files.

Non-functional

1. In the chat room, all messages should be displayed in chronological order with a

timestamp and the chat name of the user who has posted the message.