

Requirements

ID	TITLE	CATEGORY	PRECONDITIONS	POSTCONDITION	DESCRIPTION	DEPENDENCIES	RATIONALE	RANK
1	Mainwindow	USER			The user should be able to have a window which lists all ongoing chats.	10	Is needed for a chat conversation to take place	4
2	Chatwindow	USER	4		The user should have a application window for recieving/sending messages to a specific chatroom.	10,11	Is needed for a chat conversation to take place	2
3	Mapwindow	USER			The user should be able to see current location on a map, in a separate window.	9	It's a location based chat application, and should therefore have a map	10
4	Nearby Conversations	USER			The user should be able list all possible chatrooms located nearby.	10	Is needed for a chat conversation to take place	7
5	Application Navigation	USER			The user should be able to navigate between the different windows within the application, with help of a navigation bar.	1,2,3,4	Without a navigation bar it would be tiresome to get from one activity to another	9
6	HTTP Integration	SYSTEM		7	The system should be able to translate and use HTTP response/redirects.			11
7	GCM Integration	SYSTEM	6,8		The system should be able to communicate via GCM.	8,9,10,11	Otherwise the messages would not reach the indended recipient	1
8	GCM Intents	SYSTEM		7	The system should react accordingly with GCM intents.			8
9	GPS Position	SERVER	10		The server should store the GPS coordinates on every created chat room.	3	The application is depending on positioning to work as intended	12
10	Chat Room Database	SERVER			The server should have a database with every chat room and its position.	1,2	We want different rooms to chat in and therefore this is necessary	6
11	User Database	SERVER			The server should have a database with every registered user and theirs RegID, Nick and which chat room the user is connected to.	2	Necessary for the application to work as planned	5
12	Sending Messages	USER	6,7,10,11		When the user sends a message, every user connected to the same chat room, including the sender, should receive that messages.	2	Since this is a chat application this is the most vital part of it	3
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*Functional system requirements marked with BLUE.

*Non-functional marked with RED.