**Use Cases:**

-Create an account

\* Authentication

\* Authorization

When a user

Wants to start using the chat system

They create an account  
 So that they can continue into the application and use it.

|  |  |
| --- | --- |
| Actor | System |
| User selects “Create New Account”. | System presents “Create Account” screen. |
| User enters their full name, email address, and username. | System validates format of inputs, and that email address is new. |
| User selects “Create Account”. | System creates the account, and notifies user of success. |

-Add a user to contacts

\* Search users

\* Request contact add

\* Accept contact add

\* Decline contact add  
 When a user  
 Wants to add another user as a contact

They search for that user and request to add them as a contact

So that they can easily find and interact with them in the system.

-View contacts

\* Search contacts

\* View contact's presence

When a user

Wants to view their contacts

They either scroll through them or search them, viewing their details

So that they can view the contact they wished to view.

-View chats

-Chat - - - - - - - - - - - - - - - - - **[Fallback Target]**

\* Send message

\* Receive message

\* Notifications

\* Read/unread status on a conversation  
 When a user

Wants to chat with another user

They either go to an existing chat with that user, or select the user from their contacts

So that they can chat with that user.

-Multi user chat

\* Join multi user chat

\* Send message

\* Receive message

\* Notifications

When a user

Wants to have a multi user chat

They either go to an existing multi user chat, or start a new one and add contacts

So that they can have a multi user chat.

-Manage contacts - - - - - - - - - - - - - - **[Standard Target]**

\* Block contact

\* Delete contact

\* Mute contact

When a user

Wants to manage their contacts

They view their contacts and select any actions they want to perform on a contact

So that they can manage their contacts.

-Edit profile/account

\* Edit description

\* Add/change picture

\* Set presence

\* Delete account

When a user

Wants to edit their account

They select edit my account, and make any changes they wish

So that they can have control over their account.

-Secure chat - - - - - - - - - - - - - - - **[Stretch Target]**

\* Start secure chat

\* Send secure message

\* Receive secure message

When a user

Wants to have a secure chat

They select the secure button in the chat

So that they can have a secure chat.

**SUB-FUNCTION USE CASES:**

-Send Message

-Receive Message

-Notification

-Create Chat

-Log In

-Log Out

**Critical Core Use Cases:**-Create an account  
-Add a user to contacts  
-View Contacts  
-Chat - - - - - - - - - - - - - - - **[If we have to pick one, this is it]**  
-View Chats