

## Milestone 2 - Stakeholders and scenario-based elements

Stakeholders:

1. Developing team

All programmers through the whole phrases.

2. Administrators

End-users who can view and manage part of normal users' information.

Note: no formal investors since we are doing this for free.

Use case diagram:



Use case table:

### Register an Account

Actors	General users, admin
Goal	Add a new user to the system
Preconditions	Users is not in the system

Scenarios	Create a new user Set permissions depends on normal users or admin
Exceptions	Username/ID already exists in the system

### Users Login

Actors	General users
Goal	Login to the software
Preconditions	User is in the system
Scenarios	Sign in and password GUI is launched Success login and fail login notification is launched
Exceptions	Username and password are not matched

### Software management

Actors	Admins
Goal	Manage the software and data
Preconditions	Admin logged into the system Admin has permissions
Scenarios	Manage the software View and manage other users' accounts
Exceptions	No users

### Password Change

Actors	General users, admin
Goal	Replace old password with a new one
Preconditions	Users log in to the system Old password matches
Scenarios	Passwords need to be replaced
Exception	Old and new passwords are same

### View General Chat History

Actors	General users, admins
Goal	View chatting history with friends and contactors
Preconditions	Users logged in the system Talk or chat with who is or was in friends and contactors lists
Scenarios	Chat history need to be viewed
Exceptions	Local chat file is deleted Chat history is cleared.

### Show List of Friends

Actor:	All User
Goal:	To see friends that user added
Preconditions:	User must add friend first User is in the system
Scenarios:	Add friend or agree friend application from others check the friend user add is in the list
Exceptions:	user doesn't add any friend

### Show User's ID and Profile

Actor:	All User
Goal:	To show portrait, username and information
Preconditions	User already have the account User log in the server
Scenarios	Show the information data from server Show username and id Show the information and profile user edit
Exceptions	empty information and profile part which doesn't edit

### Change User's Information

Actor:	All User
Goal:	To change user's information and profile
Preconditions:	User already have the account User log in the server
Scenarios:	Show the all user account information and profile Change the information, profile and username in option box or fill box User information and profile need to be update
Exceptions:	Change ID

### Add Friend

Actor:	All User
Goal	To add contactors in friends list
Preconditions	User is log in the server
Scenarios:	Send friend application to other users. Agree by other users and contactor will be in friends list
Exception	Users id is not existing

	Add friends who you have already added again
--	--

### Remove Friend

Actor:	All User
Goal	To remove contactors in friends list
Preconditions	User is log in the server User account has friend contact already
Scenarios	Go to friend list and see which friend you want to remove Go to friend list and check the contactor is removed Remove friends from friends list
Exception	Remove who is not in the list Remove who is not friend.

### Receiving Message Notify

Actor	All user
Goal	Let user get notify when message come in.
Preconditions	User registered in app. User is online
Scenarios	Notify the new message come in
Exceptions	Two messages come in same time. Message from strangers.

### User Avatar

Actor	All user
Goal	Let user see both friend avatar and user nickname
Preconditions	User registered in app. User is online User have friend added before
Scenarios	User messages with other User click avatar User click friends name
Exceptions	No friend in list

### User Nickname

Actor	All user
Goal	Let user make their own name which could repeat
Preconditions	User registered in app
Scenarios	Let user edit their nickname User can see the nickname User's friend can see their nickname

Exceptions	User cannot use nickname to search friends
------------	--

### User Split Two Chat Box

Actor	All user
Goal	Let user read two friend messages together
Preconditions	User registered in app. User is online User have friend added before User have at least two friends and messaged user before
Scenarios	User messages with two friends User need talk to more than one friends User check two friend's history message together
Exceptions	No more than one friend in list

### Sending Message

Actor	All user
Goal	Let users send message to each other
Preconditions	User registered in app. Both users are online
Scenarios	Messages needed to be sent to another users
Exceptions	No friend in list Send empty message Send file type that didn't support Send message to strangers.

### ID searching

Actor	All user
Goal	Let users can search other users by ID
Preconditions	User registered in app User uses ID search function
Scenarios	User should type the correct ID for searching the right person
Exceptions	No matching ID Type unrecognized characters in ID

### change chatting background color

Actor	All user
-------	----------

Goal	User can change the chatting background color
Preconditions	User registered in app User enters chat settings page
Scenarios	Change the desired color from the options and save
Exceptions	Nothing