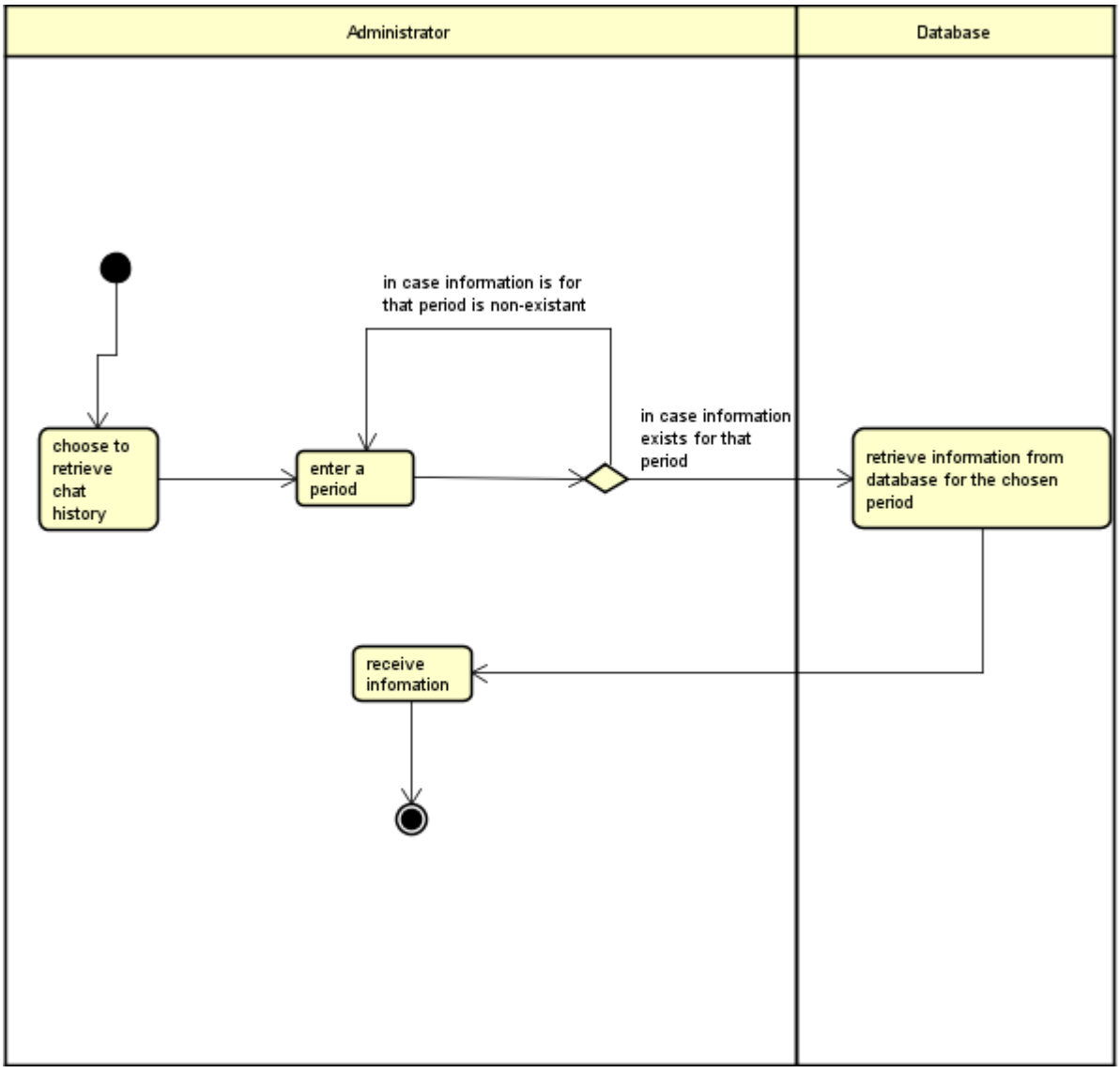
Use Case Model for Administrator

Show chat history (Administrator):

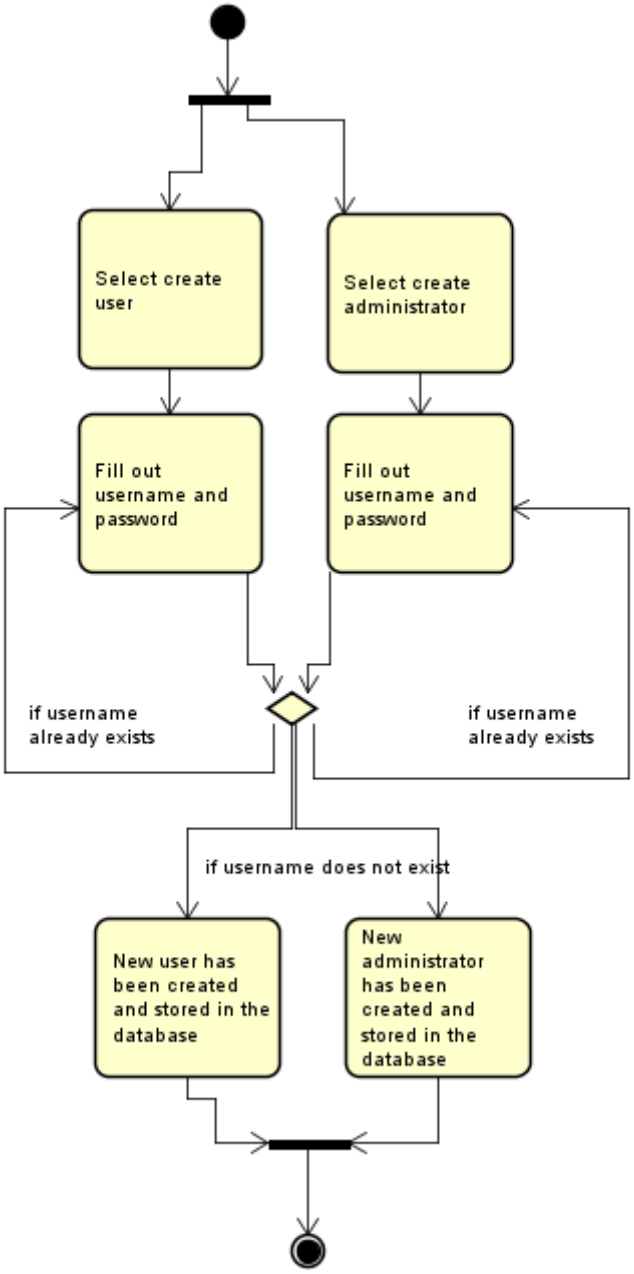


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Show chat history
Summary	The administrator is able to get a list of chat history for a certain period.
Actor	Administrator
Precondition	There is an existing database.
Postcondition	The administrator gets the chat history that he requested.
Base Sequence	1.Administrator chooses to retrieve chat history. 2. Administrator enters the period that he wants from the database. 3. The system sends the information to the administrator. 4. The administrator receives the information.
Branch Sequence	
Exception Sequence	In case administrator tries to retrieve something that is non-existant: Do Base Sequence 1-2. 3. The administrator receives an error message. 4. Administrator might decide to send another request or just exit.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Create user (Administrator):

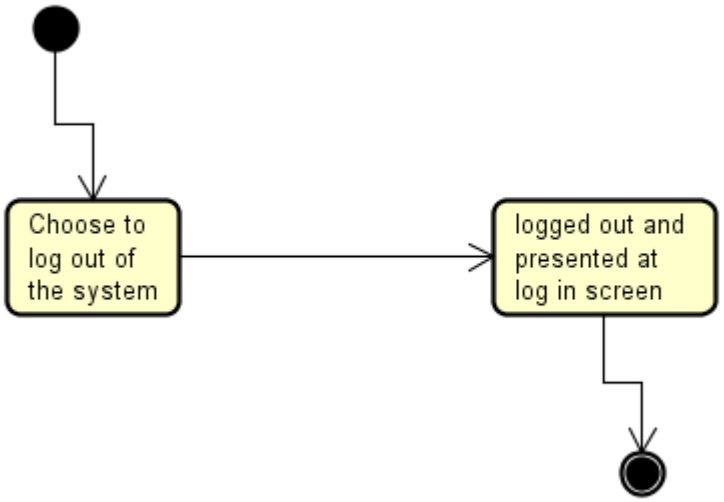


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Create a user
Summary	The administrator of the system is able to create new user(s).
Actor	Administrator
Precondition	There should be an administrator of the system.
Postcondition	New user(s) have been created.
Base Sequence	1. Administrator is able to create a new user . 2. Administrator puts in the username and password for the new user. 3. A new user has been created. 4. The credentials for the new user are stored in the database.
Branch Sequence	
Exception Sequence	In case administrator tries to create user with already existing username: Base Sequence 1-2. 3. An error appears and the administrator can decide to change the username which he is trying to create. Base sequence 4.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Log out (Administrator):

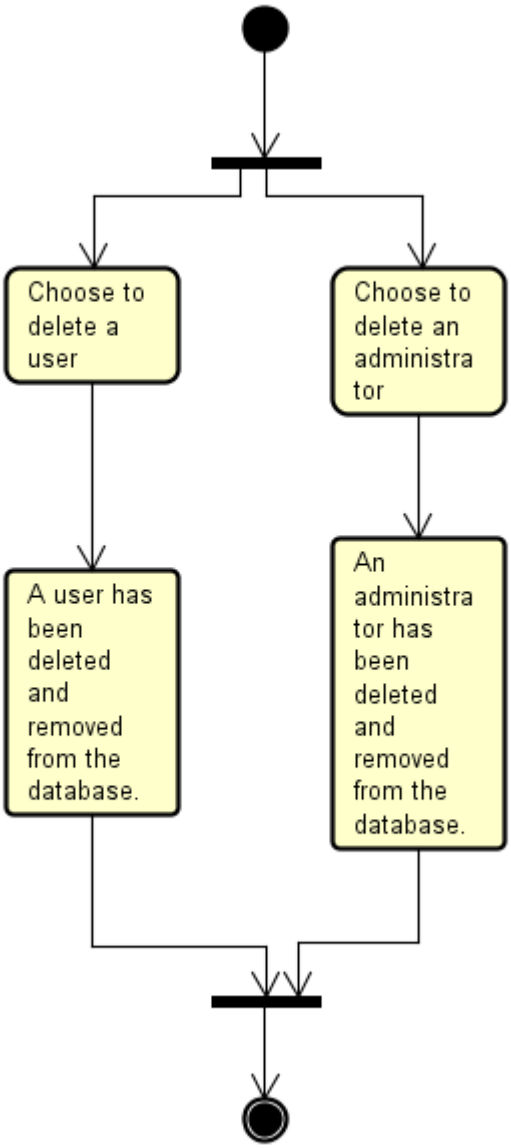


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Log out
Summary	The user or administrator is able to log out of the system.
Actor	Administrator User
Precondition	There should be a logged admin or user.
Postcondition	Admin or user is logged out.
Base Sequence	1. Administrator or user chooses to log out of the system. 2. Administrator or user gets logged out of the system.
Branch Sequence	
Exception Sequence	
Sub UseCase	
Note	

Delete a user (Administrator):

Appendix D – Use case descriptions and Activity Diagrams

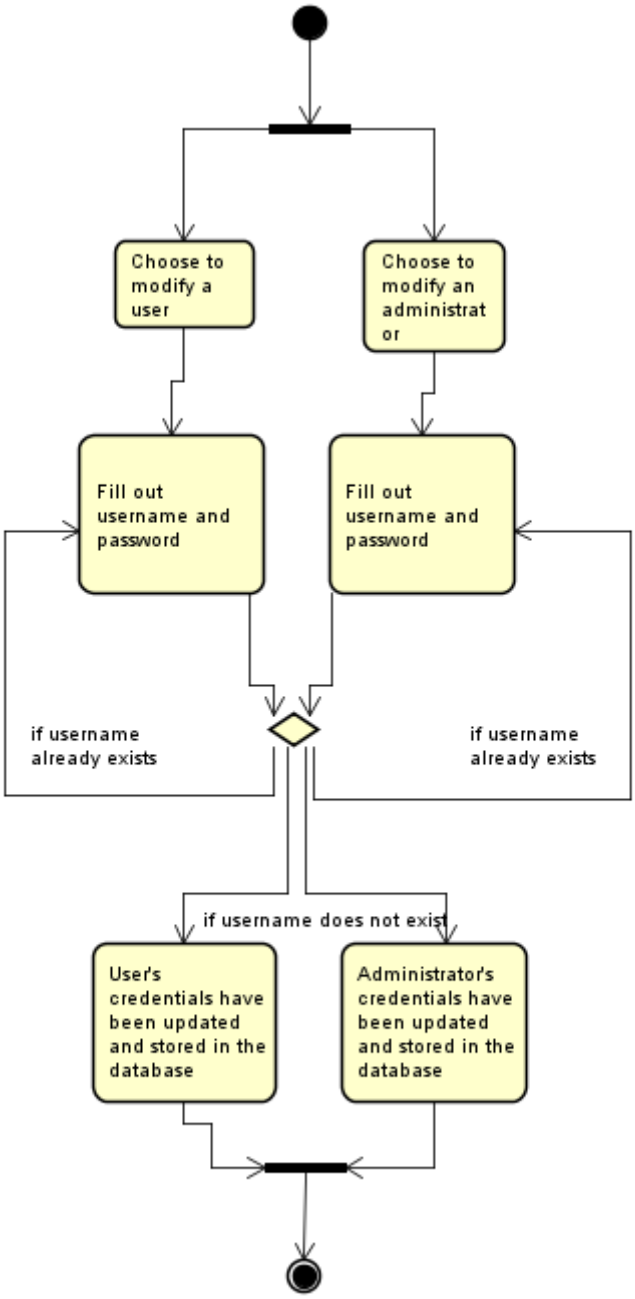


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Delete a user
Summary	The administrator of the system is able to delete user(s).
Actor	Administrator
Precondition	There should be an administrator of the system.
Postcondition	A user(s) have been removed.
Base Sequence	1.Administrator is able to delete a user(s). 2. A user(s) have been deleted. 4. The credentials of the deleted user(s) are removed from the database.
Branch Sequence	
Exception Sequence	
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Modify user (Administrator):

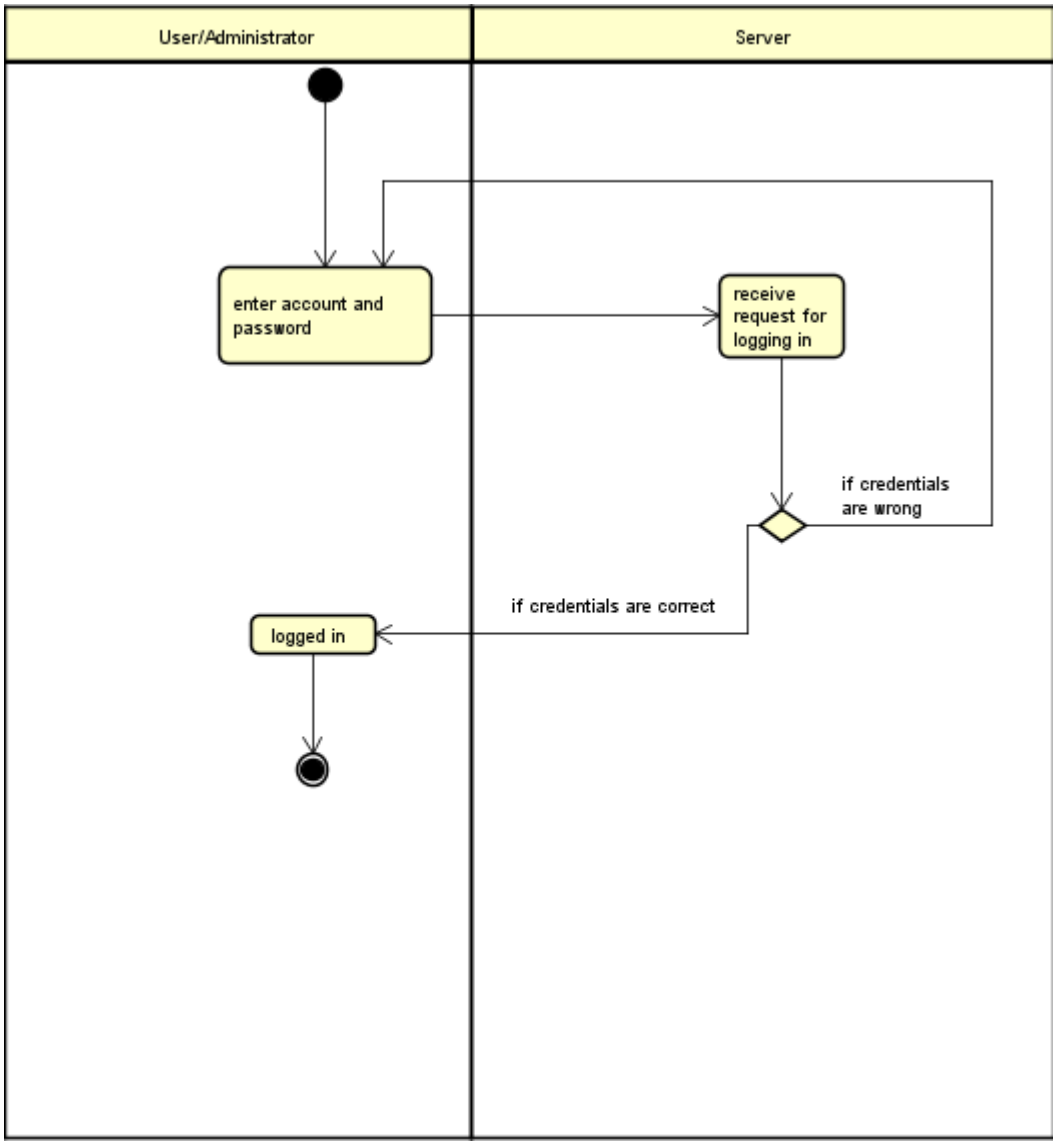


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Modify a user
Summary	The administrator of the system is able to modify user(s).
Actor	Administrator
Precondition	There should be an administrator of the system.
Postcondition	A user(s) have been modified.
Base Sequence	1.Administrator is able to choose if he wants to modify a user(s) or administrator(s). 2. Administrator puts the new username and password for the selected user(s). 3. The credentials of the modified user(s) are updated in the database.
Branch Sequence	
Exception Sequence	In case administrator tries to mofidy a user with already existing username: 1-2.Base Sequence 1-2. 3. An error appears that username already exists and then administrator can change it to something else. 4. Base sequence 3.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Connect (log in) to chat system (Administrator):

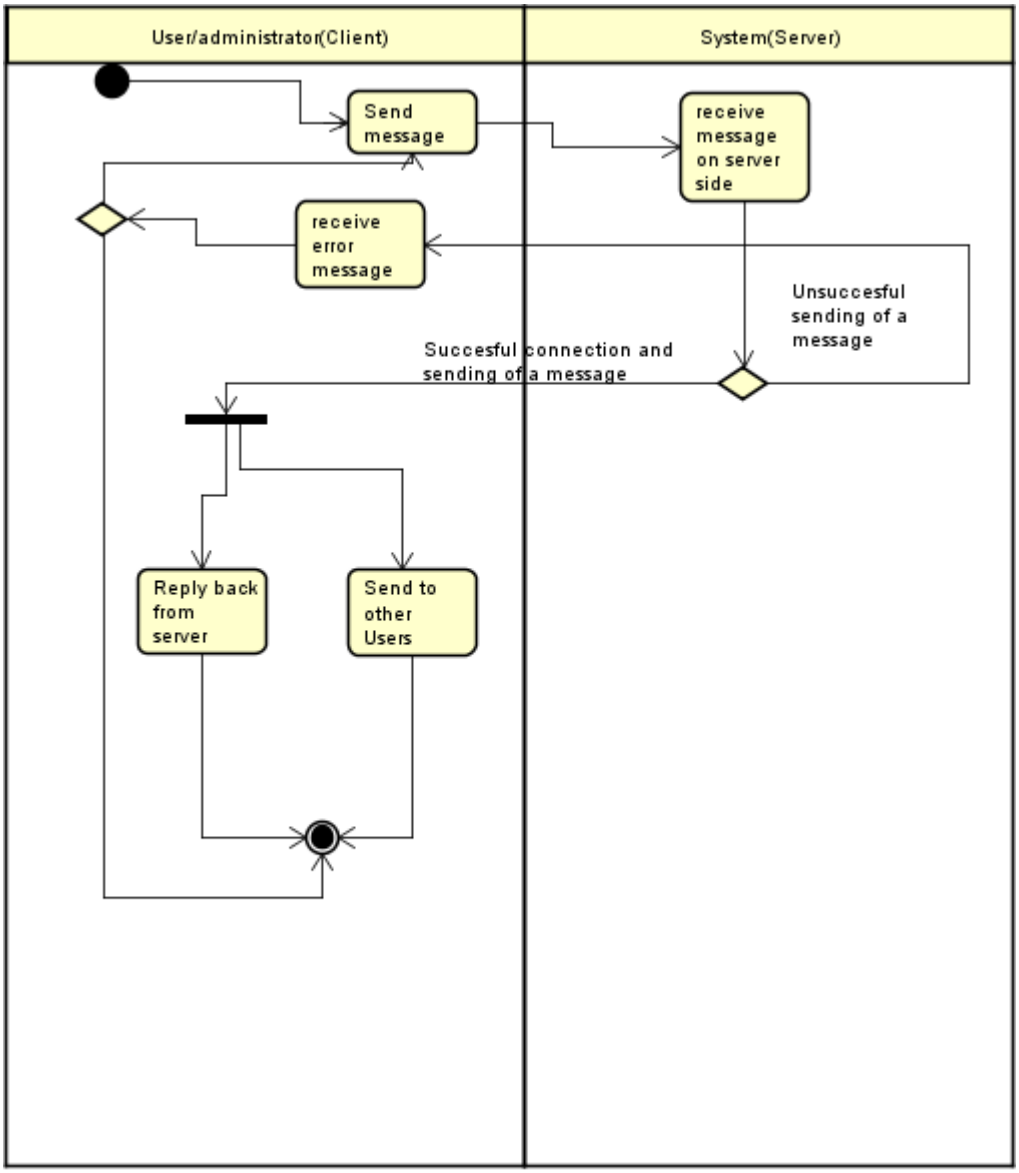


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Connect(log in) to chat system
Summary	The user/administrator is able to connect to the chat system.
Actor	User Administrator
Precondition	There is a client-server connection.
Postcondition	The user/administrator has been logged to the system.
Base Sequence	1.User/administrator types his account and password. 2. Server receives the request for logging in. 3. User/administrator is logged in if the credentials are correct.
Branch Sequence	
Exception Sequence	In case connection between user/administrator and the server fails: 1. Client receives an error on his side and has to try to connect again. 2. If it's succesful go to Base Sequnce 1-3.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Send a message to other users (Administrator):

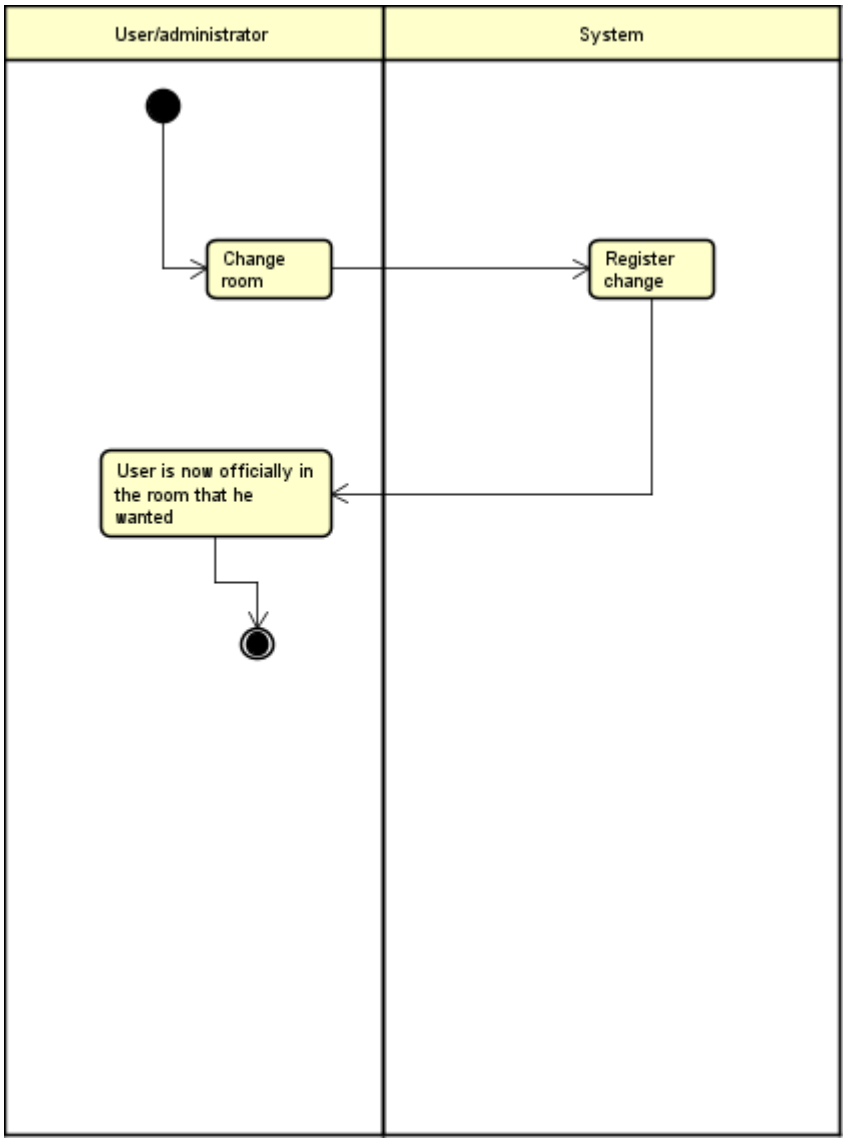


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Send a message to other users
Summary	The user/administrator is able to send messages(s) to other user(s)/administrator(s)
Actor	User Administrator
Precondition	There are some users/administrators connected to the system
Postcondition	The other users/administrators receive user's message.
Base Sequence	1. User/Administrator types a message. 2. Server receives the message and broadcasts it to the other users/administrators(clients). 3. Users/administrators receive the message.
Branch Sequence	
Exception Sequence	In case the server crashes: 1. User/administrator types a message. 2. User/administrator receives an error message.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Switch chat rooms (Administrator):

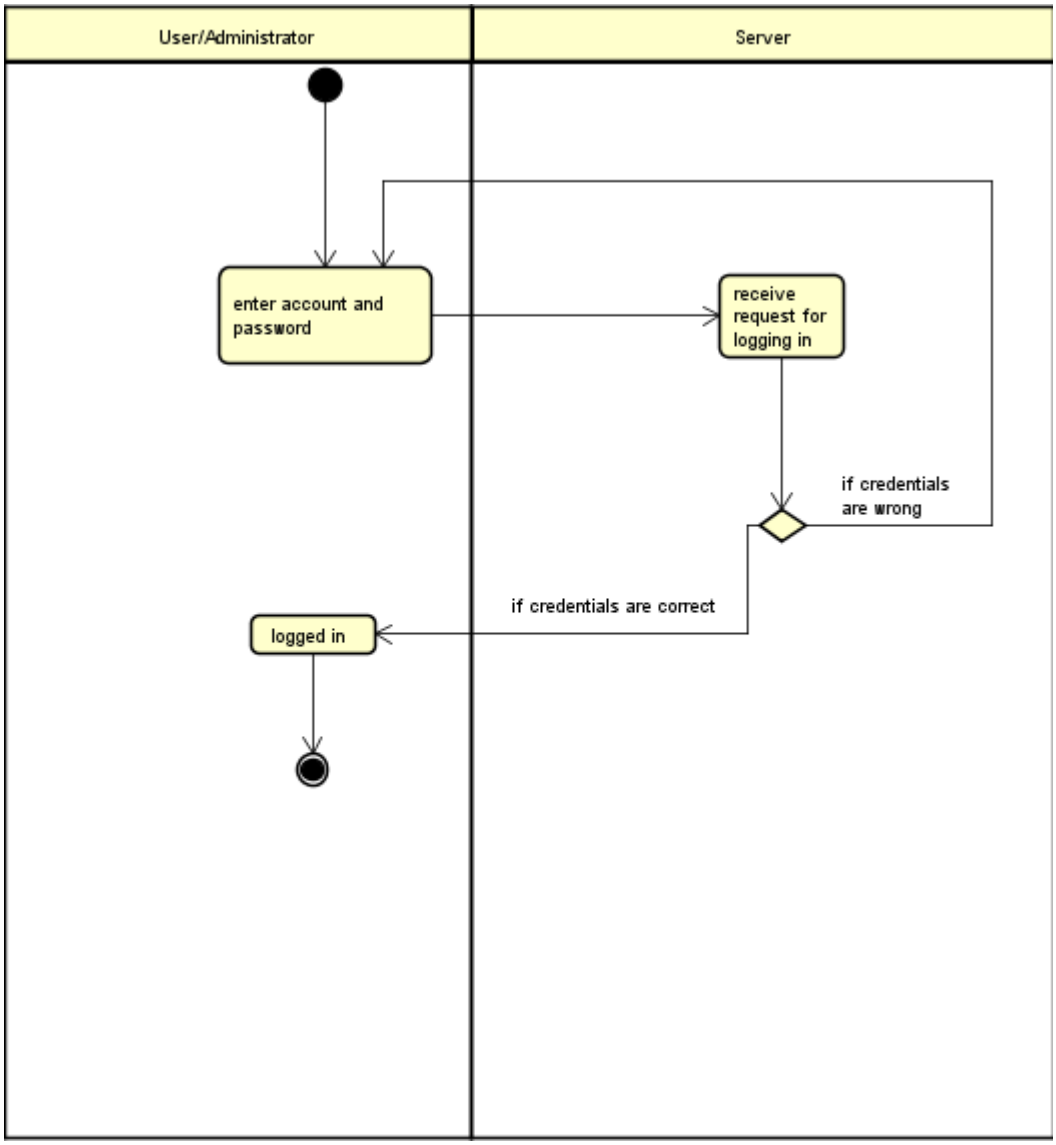


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Switch chat rooms
Summary	The user/administrator is able to choose which chat room he wants to send m essage in.
Actor	User Administrator
Precondition	There are different chat rooms.
Postcondition	User/administrator has switched the chat rooms.
Base Sequence	1. User/administrator can click on whatever room he likes. 2. User/administrator is now chatting in that room and only people in that roo m can see the messages.
Branch Sequence	
Exception Sequence	
Sub UseCase	
Note	

Use Case Model for User

Connect (log in) to chat system (User):

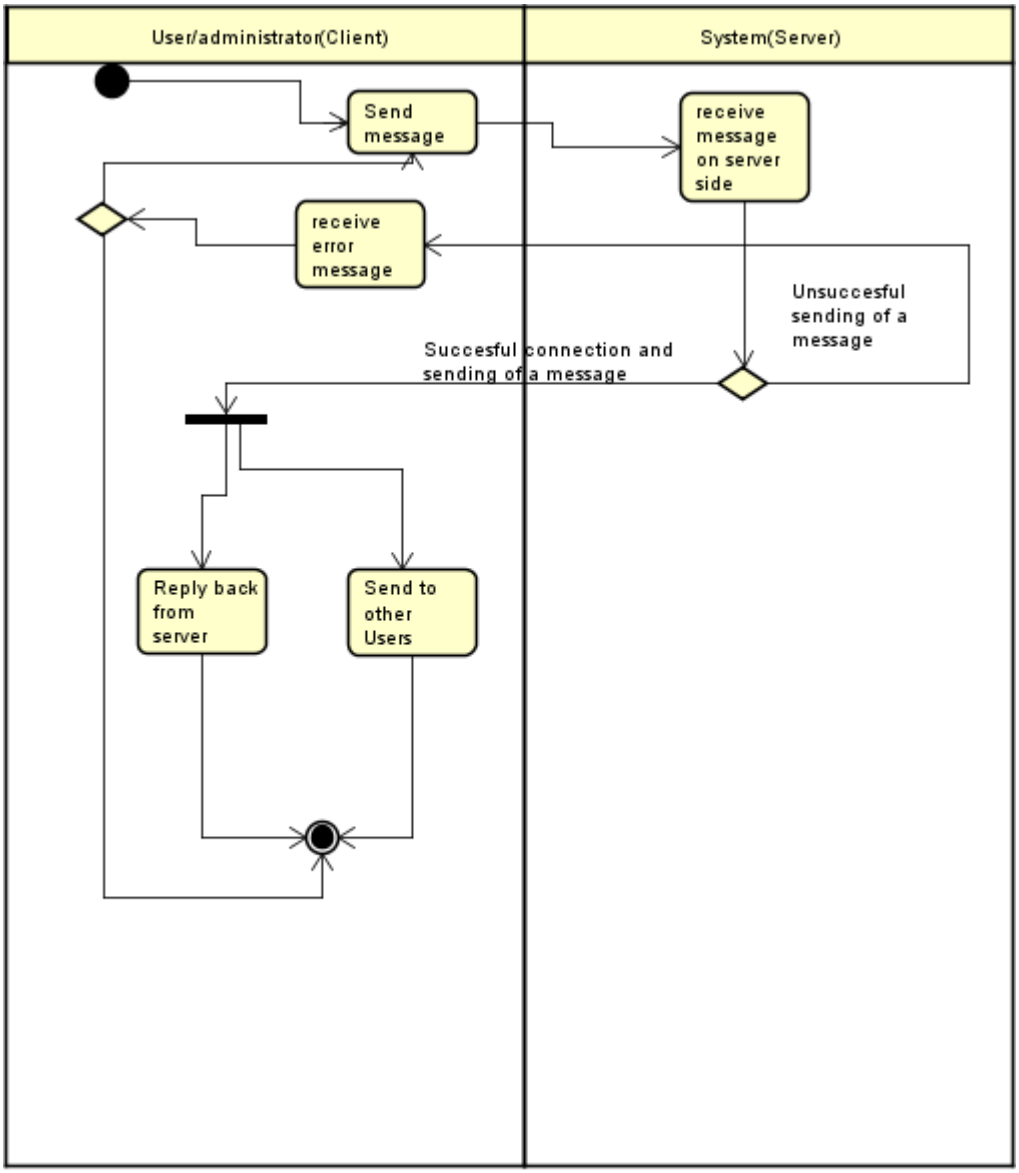


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Connect(log in) to chat system
Summary	The user/administrator is able to connect to the chat system.
Actor	User Administrator
Precondition	There is a client-server connection.
Postcondition	The user/administrator has been logged to the system.
Base Sequence	1.User/administrator types his account and password. 2. Server receives the request for logging in. 3. User/administrator is logged in if the credentials are correct.
Branch Sequence	
Exception Sequence	In case connection between user/administrator and the server fails: 1. Client receives an error on his side and has to try to connect again. 2. If it's succesful go to Base Sequnce 1-3.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Send a message to other users (User):

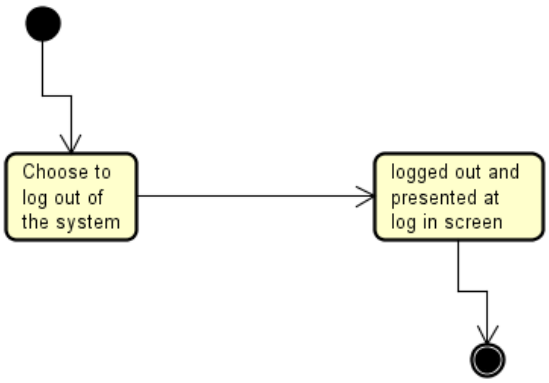


Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Send a message to other users
Summary	The user/administrator is able to send messages(s) to other user(s)/administrator(s)
Actor	User Administrator
Precondition	There are some users/administrators connected to the system
Postcondition	The other users/administrators receive user's message.
Base Sequence	1. User/Administrator types a message. 2. Server receives the message and broadcasts it to the other users/administrators(clients). 3. Users/administrators receive the message.
Branch Sequence	
Exception Sequence	In case the server crashes: 1. User/administrator types a message. 2. User/administrator receives an error message.
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

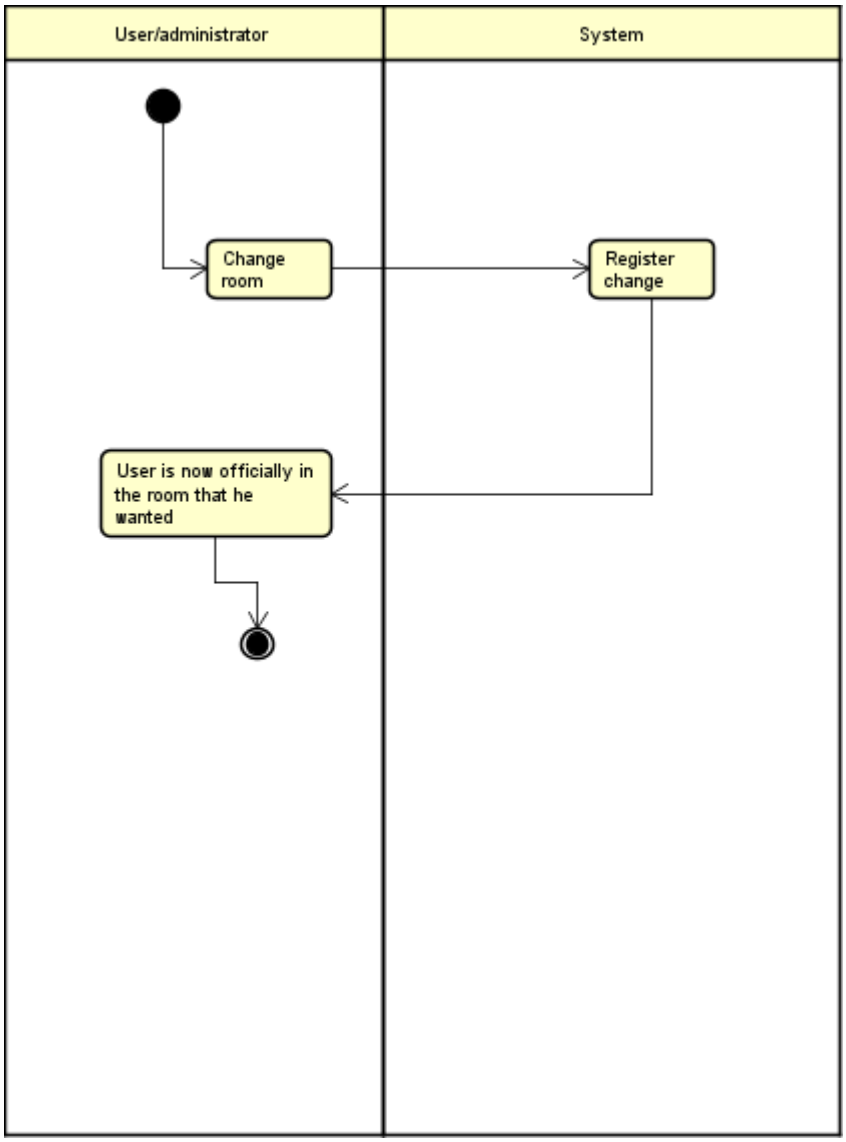
Log out (User):



ITEM	VALUE
UseCase	Log out
Summary	The user or administrator is able to log out of the system.
Actor	Administrator User
Precondition	There should be a logged admin or user.
Postcondition	Admin or user is logged out.
Base Sequence	1. Administrator or user chooses to log out of the system. 2. Administrator or user gets logged out of the system.
Branch Sequence	
Exception Sequence	
Sub UseCase	
Note	

Appendix D – Use case descriptions and Activity Diagrams

Switch chat rooms (User):



Appendix D – Use case descriptions and Activity Diagrams

ITEM	VALUE
UseCase	Switch chat rooms
Summary	The user/administrator is able to choose which chat room he wants to send message in.
Actor	User Administrator
Precondition	There are different chat rooms.
Postcondition	User/administrator has switched the chat rooms.
Base Sequence	1. User/administrator can click on whatever room he likes. 2. User/administrator is now chatting in that room and only people in that room can see the messages.
Branch Sequence	
Exception Sequence	
Sub UseCase	
Note	