

Use Case ID: 100

Use Case Name: Login account

Relevant Requirements: srs_document.docx.

Primary Actor: Users

Pre-conditions: User attempts to login an account

Post-conditions: User has logged in, the UI displayed is appropriate for the type of user, chat history and contacts are available.

Basic Flow or Main Scenario:

1. User enters a username.
2. User enters a password.
3. Username and password are validated.
4. Type of user is determined.
5. Chat history and contacts are available.
6. User UI is displayed.

Extensions or Alternate Flows:

- 3a. Username or password are invalid.
- 4a. User is IT.
- 4b. User is not IT.
- 6a. IT UI is displayed, with ability to view chat logs, create and delete user.
- 6b. non-IT UI is displayed.

Exceptions:

1. Invalid username or password.
2. No chat history.

Related Use Cases: Send message, Get chatlog, Get conversation, Create User, Delete User.

Use Case ID: 101

Use Case Name: Send Message

Relevant Requirements: srs_document.docx.

Primary Actor: Users

Pre-conditions: Sender requests a message to be delivered.

Post-conditions: Receiver(s) gets message from sender. Chat log is updated.

Basic Flow or Main Scenario:

1. Sender is logged in.
2. Sender finds a contact to send a message to.
3. Sender requests a message to be delivered.
4. Server accepts request and attempts to deliver to receiver(s).
5. Server updates chat log.
6. Receiver is logged in.
7. Receiver gets message.

Extensions or Alternate Flows:

- 2a. Contact cannot be found.
- 4a. Message attempted to be sent to invalid receiver.
- 4b. There is one receiver.
- 4c. There are multiple receivers.
- 6a. Receiver is not logged in, server waits...

Exceptions:

1. Receiver does not exist.
2. Message sent is not text.
3. Receiver is not logged in.

Related Use Cases: Get conversation, Login account

Use Case ID: 102

Use Case Name: Get conversation

Relevant Requirements: srs_document.docx.

Primary Actor: Users

Pre-conditions: User requests to view conversation

Post-conditions: Conversation results are displayed as well as the involved receiver(s).

Basic Flow or Main Scenario:

1. User is logged in.
2. User requests to view a conversation.
3. Conversation history and receiver(s) are displayed.

Extensions or Alternate Flows:

Exceptions:

1. Conversation history is empty.

Related Use Cases: Send message, Login Account

Use Case ID: 200

Use Case Name: Get Chatlog

Relevant Requirements: srs_document.docx.

Primary Actor: IT Users

Pre-conditions: IT user request to view chatlog of employees.

Post-conditions: It gets a chatlog for employees.

Basic Flow or Main Scenario:

1. IT user logs in.
2. IT user requests to view chatlog of employees.
3. Server attempts to find employees chatlog.
4. Server sends back chatlog of requested employees.
5. Chatlog results are displayed.

Extensions or Alternate Flows:

- 3a. Employees cannot be found.
- 4a. Server sends back message of an error.
- 5a. Error results are displayed.

Exceptions:

1. Chatlog for employee does not exist.
2. Employee does not exist.

Related Use Cases: Login Account

Use Case ID: 201

Use Case Name: Create user

Relevant Requirements: srs_document.docx.

Primary Actor: IT user

Pre-conditions: IT has entered necessary information to create a user account.

Post-conditions: A user account is created

Basic Flow or Main Scenario:

1. IT is logged in.
2. IT chooses a create new user option.
3. IT is prompted for information to create user.
4. IT enters information to create the new user.
5. IT requests for the new user to be created.
6. Server stores information for new user.
7. Server displays that user has been created.

Extensions or Alternate Flows:

- 5a. Not all necessary information is provided.
- 5b. Invalid information is provided.
- 6a. User already exist, return error.
- 7a. Display error message.

Exceptions:

1. User already exists.
2. Invalid password for new user.
3. Invalid username for new user.

Related Use Cases: Login, Delete User

Use Case ID: 202

Use Case Name: Delete User

Relevant Requirements: srs_document.docx.

Primary Actor: IT User

Pre-conditions: It has entered id of user to delete

Post-conditions: User is deleted

Basic Flow or Main Scenario:

1. IT is logged in.
2. IT chooses delete user option.
3. IT is prompted for information to delete user.
4. IT enters information to delete the new user.
5. IT requests for the new user to be deleted.
6. Server finds and removes user.
7. Server displays that the user has been deleted.

Extensions or Alternate Flows:

- 5a. Not all necessary information is provided.
- 5b. Invalid information is provided.
- 6a. Server cannot find user, return error.
- 7a. Display error message.

Exceptions:

1. User does not exist

Related Use Cases: Login, Create User.