Use Cases:

Use Case ID: CASE_0

Use Case Name: Admin logs in.

Relevant Requirements:

Pre-conditions: Server active, client connected to server, Admin account exists, Admin knows username and password.

Post-conditions: Admin successfully logs in.

Basic Flow or Main Scenario: 1. Server is active 2. Client connects to server 3. Admin enters personal username and password 4. Admin successfully logs in.

Extensions or Alternate Flows: 1. Server is active 2. Client connects to server 3. Admin enters personal username and password 4. Username or password are incorrect (3 tries) 5. Client disconnects from server.

Exceptions: Admin does not know username / password, server inactive, client not connected to server.

Related Use Cases: n/a

Use Case ID: CASE_1

Use Case Name: Admin creates a new user account.

Relevant Requirements:

Pre-conditions: Server active, account exists, client connected to server, Admin successfully logs in.

Post-conditions: New User Created

Basic Flow or Main Scenario: 1. Server is active 2. Client connects to server 3. Admin successfully logs in 4. Admin sets Username 5. Admin sets Password.

Extensions or Alternate Flows:

Exceptions: User Account already exists.

Related Use Cases: CASE_0

Use Case ID: CASE_2

Use Case Name: User Logs In

Relevant Requirements:

Pre-conditions: Server active, account exists, client connected to server, user knows username and password.

Post-conditions: User successfully logs in.

Basic Flow or Main Scenario: 1. Server is active 2. Client connects to server 3. User enters personal username and password 4. User successfully logs in.

Extensions or Alternate Flows: 1. Server is active 2. Client connects to server 3. User enters personal username and password 4. Username or password are incorrect (3 tries) 5. Client disconnects from server.

Exceptions: Client does not know username / password, server inactive, client not connected to server.

Related Use Cases:

Use Case ID: CASE_3

Use Case Name: User Starts Conversation

Relevant Requirements:

Pre-conditions: Server active, client connected to server, user logs in successfully.

Post-conditions: User adds other user(s) to conversation.

Basic Flow or Main Scenario: 1. User successfully logs in 2. User selects other users from list 3. New Conversation Starts

Extensions or Alternate Flows: 1. User successfully logs in 2. User selects other users from list 3. Conversation history displays.

1. User successfully logs in 2. User selects other users from list 3. User cancels the conversation.

Exceptions: User(s) not found

Related Use Cases: CASE_2

Use Case ID: CASE_4

Use Case Name: User Sends Message

Relevant Requirements:

Pre-conditions: Server active, client connected to server, user logs in successfully, conversation started.

Post-conditions: Messages sent.

Basic Flow or Main Scenario: 1. Conversation started 2. User types in message 3. Message is sent.

Extensions or Alternate Flows: 1. Conversation started 2. User types in message 3. User deletes message 4. User closes conversation

Exceptions:

Related Use Cases: CASE_2, CASE_3

User Case ID: CASE_5

Use Case Name: Admin Changes User Information

Relevant Requirements:

Pre-conditions: Server active, client connected to server, Admin logs in successfully, User exists.

Post-conditions: User information changed.

Basic Flow or Main Scenario: 1. Admin logs in successfully 2. Admin selects user 3. Admin edits user information (Username, Password, First name, or Last Name)

Extensions or Alternate Flows:

Exceptions: User does not exist.

Related Use Cases: CASE_0, CASE_1

User Case ID: CASE_6

Use Case Name: User Deleted

Relevant Requirements:

Pre-conditions: Server active, client connected to server, Admin logs in successfully, User exists.

Post-conditions: User information deleted.

Basic Flow or Main Scenario: 1. Admin logs in successfully 2. Admin selects user 3. Admin removes user information.

Extensions or Alternate Flows:

Exceptions: User does not exist.

Related Use Cases: CASE_0, CASE_1

User Case ID: CASE_7

Use Case Name: User logs out.

Relevant Requirements:

Pre-conditions: Server active, client connected to server, User logged in.

Post-conditions: User logs out. Program exits. Client disconnected from server.

Basic Flow or Main Scenario: 1. User is already logged in. 2. User Logs out of account. 3. Client Disconnects from Server. 4. Program exits

Extensions or Alternate Flows:

Exceptions: User does not exist.

Related Use Cases: CASE_2