Use Case Specification

Use Case ID:
001
Use Case Name:
Login
Relevant Requirements:
User Module
Primary Actor:
Employee, System Admin
Pre-conditions:
Users (Employee and System Admin) exists
Post-conditions:
User is logged in
Basic Flow or Main Scenario:
1. Verify username and password
2. Check which user (regular employee or system admin)
Extensions or Alternate Flows:
1. Verify user login
2. If verification fails (due to wrong password), display message "password is incorrect"
Exceptions:
If user doesn't exist, return error message
Related Use Cases:
None

Use Case ID:
002
Use Case Name:
Communicating Messages
Relevant Requirements:
Messages Module
Primary Actor:
User (Employee and System Admin)
Pre-conditions:
Users (Employee and System Admin) exists
Post-conditions:
Message status is known to users
Basic Flow or Main Scenario:
1. A Message stores it's sender and receiver information when sent
2. Message's status is changed to delivered when it reaches the server
3. Message maintains a list of all the receivers that have read the message
Extensions or Alternate Flows:
1. If message fails to send, display an error message

Exceptions:
If an empty message is being sent, display an error message
Related Use Cases:
None

Use Case ID:
003
Use Case Name:
Create And Delete Users
Relevant Requirements:
User Module
Primary Actor:
System Admin
Pre-conditions:
Users (Employee and System Admin) exists
Post-conditions:
Smaller number of Employee and System Admin
Basic Flow or Main Scenario:
4. Log in as system admin
5. Create a new user or delete an existing user
6. A new user is added to the user list in the server
Extensions or Alternate Flows:
2. If new user has a taken username, have system admin pick another username
Exceptions:
If a user doesn't exist and is tried for deletion, return error message
Related Use Cases:
Case 001 (login)

Use Case ID:
004
Use Case Name:
Joining Chat Rooms
Relevant Requirements:
Chatlog Module
Primary Actor:
Employee, System Admin
Pre-conditions:
Users (Employee and System Admin) exists
Post-conditions:
Chat Room is entered by a user
Basic Flow or Main Scenario:
1. Login user
2. Pick a chatroom to enter
Extensions or Alternate Flows:

3. Send message
4. View messages
5. Leave chatroom

Exceptions:
None
Related Use Cases:
Case 001 (login)

Use Case ID:
005
Use Case Name:
Create Chat Rooms
Relevant Requirements:
Chatlog Module
Primary Actor:
Employee, System Admin
Pre-conditions:
Users (Employee and System Admin) exists
Post-conditions:
A new chat log is added to the chat log list in the server
Basic Flow or Main Scenario:
1. Login user
2. Create a new chat room
3. Add other users to the chat room (one or more users)

Extensions or Alternate Flows:
None
Exceptions:
None
Related Use Cases:
Case 001 (login)