Come & Chat (C&C)

|  |  |
| --- | --- |
| Use case name |  |
| Brief description |  |
| Primary actor |  |
| Secondary actor |  |
| Precondition |  |
| Dependency |  |
| Generalisation |  |
| Basic flow |  |
| Specific alternative flows |  |
| Global alternative flows |  |
| Bounded alternative flows |  |
| Special requirements |  |

**View Data Use Case Description**

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| --- | --- |
| Use case name | View Data |
| Brief description | Administrator log into the system |
| Primary actor | Administrator |
| Secondary actor | N/A |
| Precondition | Administrator logged in |
| Dependency | N/A |
| Generalization | N/A |
| Basic flow | **Steps:**   1. Administrator request to view the data 2. The C&C system collects the amount of users, online users, messages sent, status and comments. 3. The C&C system show the collected data |
| **Post Condition**: The C&C show the data |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Sign in Use Case Description**

|  |  |
| --- | --- |
| Use case name | Sign in |
| Brief description | User/Administrator log into the system |
| Primary actor | User or Administrator |
| Secondary actor | N/A |
| Precondition | User or Administrator has an account |
| Dependency | INCLUDE USE CASE Count Online User Amount |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. The client provides their username and password 2. The C&C VALIDATES THAT the inputs are legal 3. The C&C VALIDATES THAT the username and password are correct. 4. The C&C approves the client. 5. The C&C performs the Count User Amount use case |
| **Post Condition**: The C&C signs the client in |
| Specific alternative flow1 | Inputs are illegal |
| RFS Basic Flow 3 |
| **Step:**  3. RESUME STEP 1 |
| Specific alternative flow2 | Username or password incorrect |
| RFS Basic Flow 4 |
| **Step:**  4. RESUME STEP 1 |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Personal Information Use Case Description**

|  |  |
| --- | --- |
| Use case name | View Personal Information |
| Brief description | Show the user’s personal information |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | EXTENDED BY USE CASE Change Personal Information |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. User request to view his/her personal information 2. The C&C show the personal information |
| **Post Condition**: The C&C show the personal information |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Change Personal Information Use Case Description**

|  |  |
| --- | --- |
| Use case name | Changing Personal Information |
| Brief description | User change his/her information |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. User edit his/her information 2. The C&C VALIDATES THAT the inputs are legal 3. The C&C VALIDATES THAT the inputs are unique 4. The C&C approves the change |
| **Post Condition**: The C&C change the user information |
| Specific alternative flow1 | Inputs are illegal |
| RFS Basic Flow 3 |
| **Step:**  3. RESUME STEP 1 |
| Specific alternative flow2 | Inputs are not unique |
| RFS Basic Flow 4 |
| **Step:**  4. RESUME STEP 1 |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Delete Status Use Case Description**

|  |  |
| --- | --- |
| Use case name | Delete Status |
| Brief description | User delete his/her status |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in & User posted at least one status |
| Dependency | INCLUDE USE CASE Count Status Amount |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. User delete a status 2. The C&C VALIDATES THAT the status exists 3. The C&C approves the request 4. The C&C performs Count Status Amount use case |
| **Post Condition**: The C&C delete the status |
| Specific alternative flow1 | The status does not exists |
| RFS Basic Flow 3 |
| **Step:**  3. ABORT |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Post Status Use Case Description**

|  |  |
| --- | --- |
| Use case name | Post Status |
| Brief description | User post a new status |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | INCLUDE USE CASE Count Status Amount |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. User write a new status 2. User request to post the status 3. The C&C VALIDATES THAT the status is in correct form 4. The C&C approve the request 5. The C&C performs Count Status Amount |
| **Post Condition**: The C&C post the status |
| Specific alternative flow1 | The status is in correct form |
| RFS Basic Flow 4-5 |
| **Step:**  4. The C&C show incorrect details  5. RESUME STEP 1 |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Status Use Case Description**

|  |  |
| --- | --- |
| Use case name | View Status |
| Brief description | Show status of the user and his/her friends |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. User requests to view status 2. The C&C system finds all friends of the user and collects all status of the friends and the user himself/herself. 3. The C&C system arranges all status collected in STEP 2 in descending chronological order. 4. The C&C system show the arranged status |
| **Post Condition**: The C&C show status of the user and the user’s friends in descending chronological order. |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Comment Status Use Case Description**

|  |  |
| --- | --- |
| Use case name | Comment Status |
| Brief description | User comments a status |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | INCLUDE USE CASE Count Comment Amount |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. The user write a comment to a status 2. The user request to publish the comment 3. The C&C VALIDATES THAT the comment is in correct form 4. The C&C approve the publish of the comment 5. The C&C performs the Count Comment Amount use case |
| **Post Condition**: The C&C publish the comment |
| Specific alternative flow1 | The comment is in incorrect form |
| RFS Basic Flow 4 |
| **Step:**  5. RESUME STEP 1 |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Comments Use Case Description**

|  |  |
| --- | --- |
| Use case name | **View Comments** |
| Brief description | Show comments of the status |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. The user request to see the comments of a status 2. The C&C collect all comments and their writer of the status 3. The C&C arrange the comments in ascending chronological order. 4. The C&C show the comments and label their writer. |
| **Post Condition**: The C&C show the comment |
| Specific alternative flow1 | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Count Status Amount Use Case Description**

|  |  |
| --- | --- |
| Use case name | Count Status Amount |
| Brief description | The C&C Database update the status amount |
| Primary actor | C&C Database |
| Secondary actor | N/A |
| Precondition | A Status is posted or deleted |
| Dependency | EXTENDED BY USE CASE View Data |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. IF a status is posted THEN status amount add one ELSEIF a status is deleted THEN status amount is subtracted by one ENDIF |
| **Post Condition**: The C&C update the status amount |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Count Comments Amount Use Case Description**

|  |  |
| --- | --- |
| Use case name | Count Comments Amount |
| Brief description | The C&C Database update the comments amount |
| Primary actor | C&C Database |
| Secondary actor | N/A |
| Precondition | A comment is published or deleted |
| Dependency | EXTENDED BY USE CASE View Data |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. IF a comment is published THEN comments amount add one ELSEIF a comment is deleted THEN comments amount is subtracted by one ENDIF |
| **Post Condition**: The C&C update the comments amount |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Sign Out Use Case Description**

|  |  |
| --- | --- |
| Use case name | Sign out |
| Brief description | User / Administrator log out from the C&C |
| Primary actor | User or Administrator |
| Secondary actor | N/A |
| Precondition | User or the Administrator is logged in the C&C |
| Dependency | INCLUDE USE CASE Count Online User Amount |
| Generalisation | N/A |
| Basic flow | **Step:**   1. The C&C VALIDATES THAT the user does want to logout 2. The C&C gets the user’s identity 3. The C&C log the user out 4. The C&C performs Count Online User Amount use case |
| **Post condition:** User log out of C&C |
| Specific alternative flows | The user rejects to logout |
| RFS Basic Flow 2-4 |
| **Step:**  3.ABORT |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Create Group Chat Use Case Description**

|  |  |
| --- | --- |
| Use case name | Create Group Chat |
| Brief description | User create a group chat in C&C |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged in the C&C |
| Dependency | INCLUDES USE CASE Invite Friends Joining Group |
| Generalisation | N/A |
| Basic flow | **Step:**   1. The user requests to create a group 2. The C&C system creates a group with the user as the only group member. 3. The C&C performs Invite Friends Joining Group use case. |
| **Post condition:** The user created a new group chat |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Join In Group Chat Use Case Description**

|  |  |
| --- | --- |
| Use case name | Join In Group Chat |
| Brief description | User join into a new group chat that is not in this user’s group list |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged in the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. User request to join the group chat 2. The C&C VALIDATES THAT the user is legal to join the group chat 3. The C&C join the user to the group member list 4. The C&C join the group chat to the user’s group list |
| **Post condition:** The user joins in a new group |
| Specific alternative flows | The user is illegal to join the group |
| RFS Basic Flow 3-4 |
| **Step:**   1. ABORT |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Leave & Delete Group Chat Use Case Description**

|  |  |
| --- | --- |
| Use case name | Leave & Delete Group Chat |
| Brief description | User leave a group chat and delete this group chat from his/her group chat list |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is in the group that he/she wants to leave |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. User request to leave the group chat 2. The C&C VALIDATES THAT the user does want to leave the group chat 3. The C&C remove the user from the group member list 4. The C&C delete the group chat from user’s group chat list |
| **Post condition:** The user leave a group chat and delete this group chat from his/her group chat list |
| Specific alternative flows | The user reject to leave the group chat |
| RFS Basic Flow 3-4 |
| **Step:**  3.ABORT |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Invite Friends Joining Group Use Case Description**

|  |  |
| --- | --- |
| Use case name | Invite Friends Joining Group |
| Brief description | User invite one of his/her friend to a group chat |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is in the group chat and the invited friend is not in the group chat |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. The user invites another user to join the group 2. The C&C VALIDATES THAT the invitee is the inviter’s friend. 3. The C&C add the invited user to invitee list of the group 4. The C&C add an invite message to invite message list of the invitee |
| **Post condition:** The invited user gets a legal invited message to join the group from the inviter |
| Specific alternative flows | The invitee is not one of the inviter’s friends |
| RFS Basic Flow 3-4 |
| **Step:**  3.C&C shows an error  4.ABORT ENDIF |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Invite List Use Case Description**

|  |  |
| --- | --- |
| Use case name | View Invite List |
| Brief description | User view his/her invite list |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. The user requests to view his/her invite list 2. The C&C collect all invites and arrange them in ascending chronological order. 3. The C&C show the invite list. |
| **Post condition:** The user view all of his/her invites |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Group List Use Case Description**

|  |  |
| --- | --- |
| Use case name | View Group List |
| Brief description | User views his/her group list |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. User requests to view his/her group list 2. The C&C collect all his/her groups and the latest message sent time from each group. 3. The C&C provides the group list arranged in descending chronological order according to the latest message sent time of each group. |
| **Post condition:** The C&C shows the group list |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Send Messages Use Case Description**

|  |  |
| --- | --- |
| Use case name | Send Messages |
| Brief description | Users send messages to each other |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged in the C&C |
| Dependency | INCLUDE USE CASE Count Message Sent Amount |
| Generalisation | N/A |
| Basic flow | **Step:**   1. User write a message 2. The user requests to send the message to a friend/group. 3. The C&C VALIDATES THAT the message is in correct form. 4. The message sent target is a friend. 5. The C&C send the message to the friend and add the message to the friend’s chat history. 6. The C&C performs the Count Message Sent Amount use case |
| **Post condition:** User sent a message |
| Specific alternative flows 1 | Message is not in correct form |
| RFS Basic Flow 4-5 |
| **Step:**  4.show error message  5.RESUME STEP 1 |
| Specific alternative flows 2 | The message sent target is a group |
| RFS Basic Flow 5 |
| **Step:**  5.The C&C send the message to all group members in the group and add the message to the group’s chat history. |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Receive Messages Use Case Description**

|  |  |
| --- | --- |
| Use case name | Receive Messages |
| Brief description | Users receive messages from friends or groups |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. The C&C sends a message tagged with its sender to the user. 2. The user receive the message and C&C show the message in the sender’s chat. |
| **Post condition:** User receive a message |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View History Messages Use Case Description**

|  |  |
| --- | --- |
| Use case name | View History Messages |
| Brief description | User view history messages |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Step:**   1. User request to view the history of a chat. 2. The C&C collects from the chat with all history messages and the sender of each message. 3. The C&C shows all history messages of the chat. |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Count Message Sent Amount Use Case Description**

|  |  |
| --- | --- |
| Use case name | Count Message Sent Amount |
| Brief description | C&C database update the amount of messages that all users sent |
| Primary actor | C&C Database |
| Secondary actor | N/A |
| Precondition | User send / receive messages though C&C |
| Dependency | EXTENDED BY USE CASE View Data |
| Generalisation | N/A |
| Basic flow | **Step:**   1. IF a user send a new message, THEN C&C database add one to the amount of the messages ENDIF |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Register Use Case Description**

|  |  |
| --- | --- |
| Use case name | register |
| Brief description | User who use the software for the first time get a unique account. |
| Primary actor | User |
| Secondary actor | C&C Database |
| Precondition | User does not have an account for the software |
| Dependency | INCLUDED USE CASE Count User Amount |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The user provides his/her username, password and email. 2. The user requests to submit and register. 3. The C&C VALIDATES THAT the inputs are all legal 4. The C&C VALIDATES THAT the email and username are unique. 5. The C&C approve the registration and store the user information to the database. 6. The C&C performs the Count User Amount use case |
|
| Post condition: The user is registered |
| Specific alternative flows 1 | The inputs are Illegal |
| RFS 4 |
| Step:   1. The C&C show error message 2. RESUME STEP 1 |
| Specific alternative flows 2 | The email or username is already registered. |
| RFS 5 |
| Step:   1. The C&C show error message 2. RESUME STEP 1 |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Count online user amount Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Count online user amount** |
| Brief description | Update the total online user amount |
| Primary actor | C&C Database |
| Secondary actor | N/A |
| Precondition | A user is logged in or logged out |
| Dependency | EXTENDED BY USE CASE View Data |
| Generalisation | N/A |
| Basic flow | IF a user is logged in THEN online user amount add one ELSEIF a user is logged out THEN online user amount is subtracted by one ENDIF |
|
| Post condition: The C&C updates the online user amount |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Count user amount Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Count user amount** |
| Brief description | Update the total registered user amount |
| Primary actor | C&C Database |
| Secondary actor | N/A |
| Precondition | A user is registered |
| Dependency | EXTENDED BY USE CASE View Data |
| Generalisation | N/A |
| Basic flow | IF a user is registered THEN user amount add one ENDIF |
|
| Post condition: The C&C updates the user amount |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Search friend Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Search friend** |
| Brief description | Search from friends |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The user provides the username or email of another user 2. The C&C collects all users which have similar username or email from the searcher’s friend list. 3. The C&C shows the collected result |
|
| Post condition: The C&C shows the search result |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements N/A |  |

**Approve/Reject friend request Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Approve/Reject friend request** |
| Brief description | The user accepts or rejects the friend application sent by other users |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The user requests to approve a friend request. 2. The C&C system VALIDATES THAT the friend request is valid. 3. The C&C system VALIDATES THAT the user and the sender of the request are not friends. 4. The C&C system approve the request and set the user and the sender of the requests as friends. |
|
| Post condition: The user and the sender of the request become friends. |
| Specific alternative flows  1 | The friend request is invalid |
| RFS Step 3 |
| Step:   1. The C&C shows an error message: the request is invalid! 2. ABORT |
| Specific alternative flows  2 | The user and the sender of the request are already friends |
| RFS Step 4 |
| Step:   1. The C&C shows an error message: you are already friends! 2. ABORT |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Remove Friend Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Remove Friend** |
| Brief description | User remove a friend from his/her friend list |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User is logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The user requests to remove a friend from his/her friend list. 2. The C&C remove the friend relationship between the user and the friend. 3. The C&C shows the success message. |
|
| Post condition: The friend is removed from the user’s friend list |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Search other user Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Search other user** |
| Brief description | User find a new user |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | The user is logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The user provides the username or email of the target user. 2. The C&C collects all users which have similar username or email but not a friend of the searcher. 3. The C&C shows the collected result |
|
| Post condition: The C&C show search result |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Friend List Use Case Description**

|  |  |
| --- | --- |
| Use case name | View Friend List |
| Brief description | Show all friends of the user |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. User requests to view friend list 2. The C&C system finds all friends of the user and collects the latest history message and the message sent time. 3. The C&C system arranges friend list collected in STEP 2 by the latest message sent time in descending chronological order. 4. The C&C system show the arranged friend list |
| **Post Condition**: The C&C shows the friend list and the latest message of each friend chat. |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Send Friend Request Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Send Friend Request** |
| Brief description | The user sends a friend request to another user |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. The user A requests to send a friend request to user B. 2. The C&C system VALIDATES THAT user B do exists. 3. The C&C system VALIDATES THAT user A and user B are not friends. 4. The C&C system approve the request and send a friend request to user B. |
| **Post Condition**: The C&C system sends a friend request from user A to user B. |
| Specific alternative flows 1 | The user B does not exists |
| RFS Step 3 |
| **Step:**   1. The C&C system shows an error message 2. ABORT |
| Specific alternative flows 2 | The user A and user B are already friends |
| RFS Step 4 |
| **Step:**   1. The C&C system shows that user A and user B are already friends. 2. ABORT |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View Request List Use Case Description**

|  |  |
| --- | --- |
| Use case name | **View Request List** |
| Brief description | The user views all friend requests sent to him/her |
| Primary actor | User |
| Secondary actor | N/A |
| Precondition | User logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. The user request to view all friend requests sent to him/her 2. The C&C system collects all friend requests which the receiver is the user. 3. The C&C shows the collected requests arranged in descending chronological order. |
| **Post Condition**: The C&C system shows all friend requests to the user. |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**Search User Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Search User** |
| Brief description | Search a user from all |
| Primary actor | Administrator |
| Secondary actor | N/A |
| Precondition | Administrator is logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The Administrator provides the username or email or user id of the user 2. The C&C collects all users which have the exact user id or similar username or email from all users. 3. The C&C shows the collected result |
|
| Post condition: The C&C shows the search result |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements N/A |  |

**Block User Use Case Description**

|  |  |
| --- | --- |
| Use case name | **Block User** |
| Brief description | Administrator block a user and his/her related information from all user |
| Primary actor | Administrator |
| Secondary actor | N/A |
| Precondition | Administrator is logged into the C&C |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps**:   1. The administrator requests to block a user. 2. The C&C blocks the user’s information, sign out the user immediately and stop the user from signing in. 3. The C&C shows the success message. |
|
| Post condition: The user is blocked by the C&C system |
| Specific alternative flows | N/A |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |

**View User List Use Case Description**

|  |  |
| --- | --- |
| Use case name | View User List |
| Brief description | Show all users |
| Primary actor | Administrator |
| Secondary actor | N/A |
| Precondition | Administrator logged in |
| Dependency | N/A |
| Generalisation | N/A |
| Basic flow | **Steps:**   1. Administrator requests to view all users 2. The C&C system finds users 3. The C&C system show the user list |
| **Post Condition**: The C&C shows the user list |
| Global alternative flows | N/A |
| Bounded alternative flows | N/A |
| Special requirements | N/A |