**Full Use Case Description**

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| **Use case name:** | Invite Member Board | |
| **Scenario:** | Add a Board new member | |
| **Triggering event:** | Admin need to add new member in the board | |
| **Brief description:** | Admin select invitation method, invite member in accordance to the selected method, and confirm invitation. | |
| **Actors:** | Board Admin | |
| **Related use cases:** | Might be affected by the board visibility from *set member visibility* use case | |
| **Stakeholders:** | Board Member | |
| **Preconditions:** | Board must be created Board already in a workspace  Has role admin | |
| **Postconditions:** | Successfully sent Notification to user that invited | |
| **Flow of activities:** | Actor | System |
| 1. Admin Select invitation method (link or email) 2. For method link, Admin copy the generated link and send it to the member he/she wants to invite. 3. For method email, Admin input email of the member he/she wants to invite. 4. Admin Confirm Invitation | * 1. System generate link for invitation if admin choose link   3.1 System look out for registered email database.  3.2 System validate input email.  3.3 System show pop up confirmation.  4.1 System sent notification to invited member by email |
| **Exception conditions:** | * 1. System error, can’t generate link. User must invite using email   3.1 input email is not valid (email not exist or not correspond by the board visibility).  4.1 System failed to send notification | |

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| **Use case name:** | Leave Board | |
| **Scenario:** | User wants to leave board | |
| **Triggering event:** | User has no use of the board anymore | |
| **Brief description:** | Leave board, for the only member it needs to either *delete* or *close* board. If not the only member and the role admin, it need to *grant* another member *admin role*. | |
| **Actors:** | Board Member, Board Admin | |
| **Related use cases:** | Might need to do *delete board, close board,* or *grant board admin role* use case. | |
| **Stakeholders:** | Board Members | |
| **Preconditions:** | User Joined Board | |
| **Postconditions:** | Update User data of joined Boards  Update Board data | |
| **Flow of activities:** | Actor | System |
| 1. User initiate to leave by clicking the button 2. For the only member, choose *delete board* or *close board.* 3. - 4. For admin role, *grant board admin role*. 5. Confirm leave Board. | * 1. System checks the number of members in board   2. System show user to choose *delete board* or *close board* if user is the only member.   3.1 System checks the user’s role.  3.2 System checks number of admin in board, if user’s role is admin.  3.3 System show user to *grant board admin role* to one of the members, if user’s is the only admin.  4.1 System show pop up confirmation |
| **Exception conditions:** | * 1. System failed to close the board, it accidentally deleted.   2.1 User role is not assigned, then the system not check the user’s role.  4.1 System isn’t updated the data correctly. | |

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| **Use case name:** | View Workspace Detail | |
| **Scenario:** | View workspace detail to see the information. | |
| **Triggering event:** | User want to see the information of a workspace | |
| **Brief description:** | User open a workspace detail. if not logged in, user can either *register* or *login* account, view workspace detail. | |
| **Actors:** | CHello User | |
| **Related use cases:** | Might need to do *Register Account* or *Login Account* use case. | |
| **Stakeholders:** | Workspace members. | |
| **Preconditions:** | Open CHello Application | |
| **Postconditions:** | Successfully show workspace Information | |
| **Flow of activities:** | Actor | System |
| 1. User open one of the workspace users want to view the detail. 2. User *Register Account* 3. User *Login Account*, if user already have account. 4. For User Logged in, view workspace detail. | 1.1 System check user is logged in or not  1.2 System redirect user to registration page, if user is not logged in.   * 1. System gets the workspace data.   2. System shows the workspace detail |
| **Exception conditions:** | * 1. System redirects incorrect page.   4.1 System get incorrect workspace data. | |

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| **Use case name:** | Delete Workspace | |
| **Scenario:** | Delete a workspace | |
| **Triggering event:** | The workspace is not needed anymore. | |
| **Brief description:** | The admin delete workspace, then ask other admin permission if there is other admin. The board in workspace automatically closed, delete workspace. | |
| **Actors:** | Workspace Admin | |
| **Related use cases:** | None | |
| **Stakeholders:** | Workspace Members, Board Members. | |
| **Preconditions:** | Workspace is created | |
| **Postconditions:** | Workspace data updated.  Workspace members data about the workspace updated. | |
| **Flow of activities:** | Actor | System |
| 1. Admin initiate delete workspace by clicking the delete button. 2. Admin ask other admin permission. 3. Admin confirm workspace deletion. | * 1. System check is there any other admin   2. System shows the user to ask permission to another admin, if there is other admin.   2.1 System send permission notification to other admin.  2.2 System check other’s admin acceptance.  2.3 System stop the workspace deletion, if one of the admins not give the permission.  2.4 System show confirmation pop up.  3.1 System close all board in the workspace.  3.2 System Delete workspace. |
| **Exception conditions:** | 2.1 System send the notification to wrong admin.  2.2 System unable to stop the deletion after one of the admins not give permission, the workspace automatically deleted.  3.1 System wrongly delete all board in the workspace.  3.2 System failed to update data. | |

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| **Use case name:** | Comment. | |
| **Scenario:** | Give a comment in a card. | |
| **Triggering event:** | User want to tell something to another user about the card. | |
| **Brief description:** | User add comment, mention another user, send notification about the comment to card’s watcher, send notification to mentioned user. | |
| **Actors:** | Board Member | |
| **Related use cases:** | Might be affected by visibility from *set visibility* use case. | |
| **Stakeholders:** | Board Members, Workspace Members. | |
| **Preconditions:** | Card Created.  Joined Board that has the card. | |
| **Postconditions:** | Update Card Data. | |
| **Flow of activities:** | Actor | System |
| 1. User add comment in the card. 2. User add comment to mention another user. 3. User select the other user that shown by the system. | * 1. System send notification to the card’s watcher.   2. System checks the board visibility.   3. System shows workspace member, if visibility is *workspace-visible*.   4. System shows board member, if visibility is *board-visible.*   5. System shows every user, if visibility is public.   3.1 System send notification to the correspond user.  3.2 System send notification to the card’s watcher |
| **Exception conditions:** | * 1. System isn’t sent notification to the card’s watcher correctly.   2.1 System show incorrect user to be mentioned.  3.1 System sent to wrong user as mentioned in comment. | |