**Full Use Cases for Game Forum**

**Release 1.0**

**Version 1.0 Approved**

**Prepared by Team 34**

**November 3rd, 2018**

**Revision History**

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| **Name** | **Date** | **Reason For Changes** | **Version** |
| **Team 34** | **10/26/2018** | **initial draft** | **1.0 draft 1** |
| **Team 34** | **11/03/2018** | **finish up the missing parts** | **1.0 approved** |

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| **Primary Actor** | **Use Cases** |
| Guest Users | 1. Read articles  2. Sign up new account |
| General Users | 1. Read articles  3. Login  4. Log out  5. Leave comments  6. Rate articles  7. Post articles  8. Report foul language  9. Private message  10. Search articles  11. Set favorites  12. Create clubs  13. Assign roles in club  14. Join clubs  15. Edit posted articles(own)  16. Delete posts in the thread(own)  17. Place someone on blacklist  18. Upload image as banner of personal homepage  19. Send friend request  20. Apply for Moderator |
| Moderator | 1. Read articles  3. Login  4. Log out  5. Leave comments  6. Rate articles  7. Post articles  8. Report foul language  9. Private message  10. Search articles  11. Set favorites  12. Create clubs  13. Assign roles in club  14. Join clubs  15. Edit posted articles(own)  16. Delete posts in the thread(own)  17. Place someone on blacklist  18. Upload image as banner of personal homepage  19. Send friend request  21. Highlight posts  22. Add sticky posts  23. Send announcements  24. Lock a post that includes inappropriate language  25. Unlock a post after investigate  26. Delete posts |
| Official Account | 3. Login  4. Log out  27. Post news |
| Administrator | 1. Read articles  3. Login  4. Log out  5. Leave comments  6. Rate articles  7. Post articles  8. Report foul language  9. Private message  10. Search articles  11. Set favorites  12. Create clubs  13. Assign roles in club  14. Join clubs  15. Edit posted articles(own)  16. Delete posts in the thread(own)  17. Place someone on blacklist  18. Upload image as banner of personal homepage  19. Send friend request  21. Highlight posts  22. Add sticky posts  23. Send announcements  24. Lock a post that includes inappropriate language  25. Unlock a post after investigate  26. Delete posts  27. Post news  28. Ban user ID/IP address  29. Shut down the forum for maintenance  30. Assign Moderator |

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| Use Case ID: | 01 | | |
| Use Case Name: | Read articles | | |
| Created By: | Kuok Kan Lei | Last Updated By: | Kuok Kan Lei |
| Date Created: | 10/27/2018 | Date Last Updated: | 10/27/2018 |

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| Actors: | All users, except official account |
| Description: | Users can click into any articles and view the contents. |
| Trigger: | To view the contents of the article and get information |
| Preconditions: | 1. visit our website  2. get into the boards |
| Postconditions: | 1. get the information from the article |
| Normal Flow: | **1.0 Read from Board**  1. visit our website  2. get into a board  3. choose from the article titles  4. click into one of them  5. read the contents on the page |
| Alternative Flows: | **1.1 Read from the Home Page**  1. visit our website  2. view the popular articles section on the home page  3. click into one of the articles  4. read the contents on the page |
| Exceptions: | **1.0.E.1, 1.1.E.1**  1. The user is blocked by the user who post the article.    **1.0.E.2, 1.1.E.2**  1. The user is blocked by the Moderator.  2. The user cannot visit the board |
| Includes: | None |
| Priority: | High |
| Frequency of Use: | Always by users, moderator, administrators |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | Assume that 1618 million views on articles on our website. (source from *statista* [*https://www.statista.com/statistics/443332/reddit-monthly-visitors/*](https://www.statista.com/statistics/443332/reddit-monthly-visitors/)) |
| Notes and Issues: | This is the most basic feature of our website and IMPORTANT!!! |

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| Use Case ID: | **02** | | |
| Use Case Name: | Sign up a new account | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 10/28/2018 | Date Last Updated: | 10/31.2018 |

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| Actors: | Guest Users |
| Description: | Users need to enter an email address in order to activate their account, a unique username, and a password that has at least 8 characters. |
| Trigger: | Guest users need to create a new account in order to have their personal webpage, post articles or thoughts, and leave comments. |
| Preconditions: | 1. The user enters the right web address in the search bar or searches for the forum by using the search engine.  2. The user clicks on the “sign up” button on top right |
| Postconditions: | 1. The user enters a valid email address  2. The user finds the verification email and clicks “Confirm” to activate the account.  3. The account has been activated, clicks on the link and goes back to the homepage. |
| Normal Flow: | **2.0 Create a new account**  1. The user enters an email address  2. The user enters a valid username  3. The user enters a valid password  4. The user enters the password again  4. The user answers the reCAPTCHA verification questions  5. The User clicks on the “Create” button |
| Alternative Flows: | None |
| Exceptions: | **2.0.E.1 The username has been used (step 2)**   1. The site informs that the username has been used 2. The User enters a valid username   **2.0.E.2 The password does not meet the requirements(step 3)**   1. The password does not have a minimum of 8 characters that contains a combination of uppercase and lowercase letter and number 2. The user enters a valid password. |
| Includes: | Authenticate User’s Identity |
| Priority: | High |
| Frequency of Use: | Once per user on average |
| Business Rules: | 1. All the users should be at least 13 years old. |
| Special Requirements: | None |
| Assumptions: | None |
| Notes and Issues: | 1. Expect a high frequency of executing this use case within the first week after the forum is released. |

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| Use Case ID: | 03 | | |
| Use Case Name: | Log In | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 11/2/2018 | Date Last Updated: | 11/2/2018 |

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| Actors: | General Users, Moderators, Official Accounts, Administrators |
| Description: | Users log in their accounts by entering the right username and password. |
| Trigger: | Users must log in their account in order to edit personal homepage, read articles, leave comments, etc. |
| Preconditions: | 1. The user enters the right web address in the search bar or searches for the forum by using any search engine.   2. The user clicks on the “Login” button |
| Postconditions: | 1. Return to the homepage automatically |
| Normal Flow: | **3.0 Login account**   1. The user enters the username   2. The user enters the right password of the account  3. The user clicks on the “Login” button |
| Alternative Flows: | None |
| Exceptions: | **3.0.E.1 Username does not exist**   1. The system informs that the username does not exist in our database   **3.0.E.2 Wrong Password**   1. The system informs that the password is wrong    1. The user needs to re-enter the password    2. The user clicks the “Forgot password” button |
| Includes: | Sign up |
| Priority: | High |
| Frequency of Use: | Approximately once per day by one user |
| Business Rules: | None |
| Special Requirements: | Sign up before login |
| Assumptions: | None |
| Notes and Issues: | 1. Expect high frequency of executing this use case during non-working time. |

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| Use Case ID: | 04 | | |
| Use Case Name: | Log out | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/2/2018 | Date Last Updated: | 11/2/2018 |

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| Actors: | General Users, Moderators, Official Accounts, Administrators |
| Description: | Users will be able to log out when they decided not to use the restricted contents on the site. |
| Trigger: | 1. User wants to switch to another account 2. User is using a public computer |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. Return to the homepage automatically |
| Normal Flow: | **4.0 User logs out of the site**  1. Click the "logout" button on the page |
| Alternative Flows: | None |
| Exceptions: | None |
| Includes: | Login |
| Priority: | High |
| Frequency of Use: | Depends on user |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | 1. Assume that 20% of users will log out daily |
| Notes and Issues: | None |

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| Use Case ID: | 05 | | |
| Use Case Name: | Leave comments | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/2/2018 | Date Last Updated: | 11/2/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users will be able to leave comments under articles and threads of their interests |
| Trigger: | 1. The article interests the user, the user wants to talk about it 2. The thread interests the user, the user wants to talk about it 3. The comment under an article or the post in a thread interests the user, the user wants to discuss with other users |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. The comment is stored in our site with a status of "sent"  2. The comment will be displayed on the comment section |
| Normal Flow: | **5.0 Leave a comment for the best FPS game article**  1. User accesses to the article  2. The site displays the article  3. User scroll down to the bottom of the article  4. The site displays the comments of the article and a reply button  5. User clicks on the reply button, the site displays a text entry box  6. User types in the text  7. User hits the reply button again to post the comment |
| Alternative Flows: | **5.1 Leave multiple comments** (branch after step 7)   1. User wants to leave another comment 2. Return to step 5 |
| Exceptions: | **5.0.E.1 The user posts an empty comment** (at step 6)   1. The site informs the user the text entry box cannot be empty, the comment won't be sent   2a. The user type in the text in the text entry box to resend the comment  2b. The user exits out the article |
| Includes: | Login |
| Priority: | High |
| Frequency of Use: | Depends on user |
| Business Rules: | None |
| Special Requirements: | 1. User shall be able to view all comments he made at any time |
| Assumptions: | Assume that 80% of users will leave comments daily |
| Notes and Issues: | 1. Expect high frequency of executing this use case in new articles and new threads 2. Some users may be using this use case to spread hateful speech |

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| Use Case ID: | 06 | | |
| Use Case Name: | Rate articles | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/2/2018 | Date Last Updated: | 11/2/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users will be able to click "thumbs up" or "thumbs down" to rate articles |
| Trigger: | User wants to express that whether he agrees or doesn't agree on the content of an article |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. If the user clicks on "thumbs up" button, the color of the "thumbs up" button will be changed from blue to red  2. If the user clicks on the "thumbs down" button, the color of the "thumbs down" button will be changed from blue to red |
| Normal Flow: | **6.0 User rates an article**  1. User accesses to the article  2. The site displays the article  3. User scroll down to the bottom of the article  4. The site displays a thumbs up button and a thumbs down button at the end of the article, but before the comment section  5. User clicks on either the thumbs up or the thumbs down button  6. The color of the button the user has clicked on is now changed from blue to red, the article is rated |
| Alternative Flows: | **6.1 Change the rate** (branch after step 6)   1. User wants to change his rate from one to the other 2. User clicks on the red originally selected button once again to cancel his rate 3. Return to step 5 |
| Exceptions: | **6.0.E.1 User wants to change the rate while the article is currently rated** (at step 6)   1. The site informs the user that the article is currently being rated 2. User can cancel his rate and then make a change |
| Includes: | Login |
| Priority: | Medium |
| Frequency of Use: | Depends on users |
| Business Rules: | None |
| Special Requirements: | 1. User shall be able to rate and cancel or change his rate at any time 2. User shall be able to view all articles he rated thumbs up |
| Assumptions: | Assume that all users will be using this use case |
| Notes and Issues: | 1. Some users may be using this use case to abuse the writer of the article |

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| Use Case ID: | 07 | | |
| Use Case Name: | Post Articles | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 11/2/2018 | Date Last Updated: | 11/3/2018 |

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| Actors: | General Users, Administrator |
| Description: | All general users can post articles on the board so that everybody could see it and leave comments. |
| Trigger: | Want to share thoughts or experience with other users in the forum. |
| Preconditions: | 1. The user is logged into the site 2. The user needs to find a specific section to post the article |
| Postconditions: | 1. The comment is stored in our site with a status of "sent” 2. Return to the homepage automatically |
| Normal Flow: | **7.0 Post articles**   1. The user clicks the “Post new article” button   2. The user enters the subject in the entry bar  3. The user enters the content in the textbox  4. The user clicks the “Publish” button to publish the article. |
| Alternative Flows: | **7.1 Tage the article**   1. Tag the article（maximum of 5 tags per article） |
| Exceptions: | **7.0.E.1 Subject is empty**   1. The system informs that the title entry bar is empty 2. The user has to enter a title for the article   **7.0.E.2 No Content**   1. The system informs that the content textbox is empty 2. The user has to enter something in the textbox |
| Includes: | Log in |
| Priority: | High |
| Frequency of Use: | Base on individual user |
| Business Rules: | None |
| Special Requirements: | 1. The user can preview the article by clicking the “preview” button underneath |
| Assumptions: | None |
| Notes and Issues: | 1. The article might include inappropriate language 2. The theme of the article does not match with the theme of the section. |

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| Use Case ID: | 08 | | |
| Use Case Name: | Report foul language | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 11/02/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | General Users, Administrator |
| Description: | Users have the ability to report any user who posts inappropriate comments that include foul languages |
| Trigger: | The user is unhappy about the use experience |
| Preconditions: | 1. The user is logged into the site 2. The user has found foul language in articles or comments. |
| Postconditions: | 1. Report has been sent to administrator notification 2. Waiting for the administrator to review the report |
| Normal Flow: | **8.0 Report inappropriate posts**   1. The user clicks the “Report” button 2. The user has to enter the username of the illegal user 3. Type in at least 140 characters explaining the reasons 4. The user clicks the “Send” button underneath |
| Alternative Flows: | **8.1 Upload screenshot of the inappropriate comments**   1. Click “Upload files” button 2. Choose the image 3. Click the “upload” button |
| Exceptions: | **8.0.E.1 Username does not exist**   1. The system informs that the username does not exist 2. The user needs to re-enter a valid username   **8.0.E.2 The explanation is less than 140 characters**   1. The system informs that the explanation is less than 140 characters. 2. The user needs to write more to reach the character limit. |
| Includes: | Log in |
| Priority: | High |
| Frequency of Use: | Depends on users |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | 1. The comments of the reported user are not aggressive enough to be reported. |
| Notes and Issues: | 1. Malicious Report might exist |

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| Use Case ID: | 09 | | |
| Use Case Name: | Private messages | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 11/02/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | General Users, Moderators, Admins |
| Description: | Users can send private messages to other users, these private messages will not be publicly displayed |
| Trigger: | Users want to send messages to others privately |
| Preconditions: | 1. Log in |
| Postconditions: | 1. The encrypted messages are stored in our site with a status of "sent" |
| Normal Flow: | **9.0 Send private message to other users**   1. Click the “envelope” icon under the user’s profile picture. 2. Enter the message in the textbox 3. Click the “Send” button under the textbox |
| Alternative Flows: | None |
| Exceptions: | **9.0.E.1 The sender is in the blacklist**   1. The receiver blocked the sender, so the message could not be sent successfully. |
| Includes: | Log in |
| Priority: | High |
| Frequency of Use: | Depends on users |
| Business Rules: | None |
| Special Requirements: | 1. The receiver did not block the sender |
| Assumptions: | None |
| Notes and Issues: | None |

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| Use Case ID: | 10 | | |
| Use Case Name: | Search Articles | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/3/2018 | Date Last Updated: | 11/3/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users will be able to find a list of articles of their interest by searching the key words |
| Trigger: | User wants to know more about a particular topic and is looking for some guides for a game |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. The site will displays a list of articles  2. The site will be able to sort the list of articles by new, top-rated, relevancy, and a-z  3. No related article is found |
| Normal Flow: | **10.0 Search Articles**  1. User finds the search bar on the homepage  2. User types in the keyword  3. User clicks on the "Search" button  4. The site will displays a list of articles  5. User can click on the dropdown list to sort the articles in different orders |
| Alternative Flows: | **10.1 Modify the search**(branch after step 4)   1. User searches for another keyword 2. Return to step 1 |
| Exceptions: | **10.0.E.1 Keyword is too long**(at step 3)   1. The site informs the user that the keyword is not available because it's too long   2a. User modifies the key word  2b. User quits searching  3a. User does another search  **10.0.E.2 Article not found**(at step 4)   1. The site informs the user that the article is not found   2a. User modifies the key word  2b. User quits searching  3a. User does another search |
| Includes: | Login |
| Priority: | High |
| Frequency of Use: | Approximately 10 times per day by each user |
| Business Rules: | None |
| Special Requirements: | 1. User shall be able to search articles at any time 2. User shall be able to view all search histories |
| Assumptions: | Assume that all users will be able to find the articles |
| Notes and Issues: | None |

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| Use Case ID: | 11 | | |
| Use Case Name: | Set Favorites | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/3/2018 | Date Last Updated: | 11/3/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users will be able to put articles and posts to his Favorites. Users can access to these favorites very easily. |
| Trigger: | User likes an article or a post, he wants to save it and revisit it later. User found an article very useful for winning the game, he wants to have a reference for later's gameplay. |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. The articles and posts that the user selected as favorites will be displayed on user's homepage  2. User can access to the articles from his Favorites list |
| Normal Flow: | **11.0 Set an article to Favorites**  1. The user browses through the articles on the site  2. The user opens up the article  3. The user clicks on the "Add to Favorites" button |
| Alternative Flows: | None |
| Exceptions: | **11.0.E.1 The article is already in the Favorites list**(at step 3)   1. The site informs the user this article is already in the list 2. The site terminates use case |
| Includes: | Login |
| Priority: | High |
| Frequency of Use: | Approximately 3 times per week by user |
| Business Rules: | None |
| Special Requirements: | 1. User shall be able to add favorites at any time 2. User shall be able to view all favorites on his homepage under the Favorites section |
| Assumptions: | None |
| Notes and Issues: | None |

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| Use Case ID: | 12 | | |
| Use Case Name: | Create Clubs | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/3/2018 | Date Last Updated: | 11/3/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users will be able to create their own clubs. |
| Trigger: | User wants to communicate with other users and make new friends. |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. Club will be created and displayed on user's homepage  2. The site informs the user the club has been created successfully |
| Normal Flow: | **12.0 Create a Club**  1. User clicks on the "Club" button on the site's homepage  2. User clicks on the "Create Club" button on the Club page  3. User enters a Club name  4. User uses the default club profile picture or uploads a picture for the club profile picture  5. User clicks on the "Create" button  6. The process is complete |
| Alternative Flows: | None |
| Exceptions: | **12.0.E.1 The user has already created a club**(at step 5)   1. The site informs the user has reached the max club ownership 2. Return to the Club page on the site   **12.0.E.2 The club name is not available**(at step 5)   1. The site informs the user that the club name has been taken 2. Return to step 3   **12.0.E.3 The club profile image is too large**(at step 5)   1. The site informs the user the image size is too large 2. Return to step 4 |
| Includes: | Login |
| Priority: | Medium |
| Frequency of Use: | Approximately once per user |
| Business Rules: | None |
| Special Requirements: | 1. User shall be able to create new clubs at all time 2. Each user can only create 1 club |
| Assumptions: | None |
| Notes and Issues: | None |

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| Use Case ID: | 13 | | |
| Use Case Name: | Assign Roles in Clubs | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/3/2018 | Date Last Updated: | 11/3/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users who are also Club Owners will be able to assign roles to the club members so that they can help the owner to manage the club |
| Trigger: | 1. The club owner wants to find someone helps to manage the club 2. The club member wants to get a role in the club |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. The role of the member will be displayed on the club's page |
| Normal Flow: | **13.0 Assign a role to a club member**  1. Club Owner opens his own club page  2. Club Owner clicks on "Assign Roles" button on the page  3. Club Owner selects the member username  4. Club Owner clicks on the dropdown list and selects a role  5. Club Owner clicks on the "Assign" button  6. Club Owner confirms the selection |
| Alternative Flows: | **13.1 Change the role of a member**(branch after step 6)   1. Club Owner clicks on the "Change Roles" button on the Club Owner's own club page 2. Return to step 3 |
| Exceptions: | **13.0.E.1 All of the roles in the club have been occupied**(at step 5)   1. The site informs the user the role has been occupied   2a. The club owner assigns another role to the member  2b. The club owner quits the role assigning process  **13.0.E.2 The member has been assigned to a role**(at step 5)   1. The site informs the user the member has a role 2. Return to 13.1 step 1 |
| Includes: | Login, Create Club |
| Priority: | Medium |
| Frequency of Use: | Approximately 5 times per Club Owner |
| Business Rules: | None |
| Special Requirements: | 1. User owns a club 2. Club Owner shall be able to assign roles at all time 3. Each club can only 5 roles 4. All members shall be able to view the position of each member who has a role |
| Assumptions: | None |
| Notes and Issues: | None |

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| Use Case ID: | 14 | | |
| Use Case Name: | Join Clubs | | |
| Created By: | Eliza Yu | Last Updated By: | Eliza Yu |
| Date Created: | 11/3/2018 | Date Last Updated: | 11/3/2018 |

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| Actors: | General Users, Moderators, Administrators |
| Description: | Users will be able to join any clubs they like. |
| Trigger: | User wants to share their thoughts with a small group of people. User wants to post in the club. |
| Preconditions: | 1. User is logged into the site |
| Postconditions: | 1. The clubs will be displayed on user's homepage |
| Normal Flow: | **14.0 Join a club**  1. Use browse through the site's homepage  2. User finds a club  3. User clicks on the club's name or profile image  4. User views a page with the club's name, profile image, and "Join Club" button  5. User clicks on the "Join Club" button  6. User joins the club successfully  7. User access to the club's homepage |
| Alternative Flows: | **14.1 Joins multiple clubs**(branch after step 6)   1. User wants to join another club 2. Return to step 2 |
| Exceptions: | **14.1.E.0 The user has already joined this club**(at step 5)   1. The site informs the user has already joined this club 2. The site terminates the use case |
| Includes: | Login |
| Priority: | Medium |
| Frequency of Use: | Approximately 10 times per user |
| Business Rules: | None |
| Special Requirements: | 1. User shall be able to join clubs at all time 2. User shall be able to find all existed clubs 3. User shall be able to view all joined clubs |
| Assumptions: | None |
| Notes and Issues: | None |

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| Use Case ID: | 15 | | |
| Use Case Name: | Edit posted articles (own) | | |
| Created By: | Kuok Kan Lei | Last Updated By: | Kuok Kan Lei |
| Date Created: | 10/28/2018 | Date Last Updated: | 10/29/2018 |

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| Actors: | All users, except guest users and official account |
| Description: | Users can still edit their articles after they posted it. |
| Trigger: | To help users changing some mistakes they made on the article or add up more contents on the article. |
| Preconditions: | 1. visit our website  2. sign up or login to the account  3. user’s identity has been authenticated  4. has articles posted |
| Postconditions: | 1. the updated content is saved into our database  2. the article can be viewed on the board |
| Normal Flow: | **15.0 Edit posted article from the board**  1. visit the website  2. sign up or login to the account  3. go to the board which the article has been posted  4. click the “edit” button  5. edit the article in an edition view  6. click the “complete and post” button  7. the new contents is sent to the database |
| Alternative Flows: | **15.1 Edit posted article from the user homepage**  1. visit the website  2. sign up or login to the account  3. go to user’s personal homepage  4. go to the pages section  5. click into the post which the user wants to edit  6. click the “edit” button  7. edit the article in an edition view  8. click the “complete and post” button  9. the new contents is sent to the database |
| Exceptions: | **15.0.E.1, 15.1.E.1 The article is suspended by moderator/ administrators**  1. user noticed that their article is being suspended  2. view the related mail and look for the reason  3. edit the article and post again  4. or send request to the moderator/ administrators  5. ask them to remove suspension |
| Includes: | Login  Post articles |
| Priority: | High |
| Frequency of Use: | About once per article, or none |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | Assume that the user make mistakes in their article and they edit it. |
| Notes and Issues: | None |

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| Use Case ID: | 16 | | |
| Use Case Name: | Delete posts in the thread (own) | | |
| Created By: | Kuok Kan Lei | Last Updated By: | Kuok Kan Lei |
| Date Created: | 10/28/2018 | Date Last Updated: | 10/28/2018 |

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| Actors: | All users, except guest users and official account |
| Description: | This use case allow user to delete their own articles. |
| Trigger: | To let user, delete their article which already posted |
| Preconditions: | 1. visit our website  2. sign up or login to the account  3. user’s identity has been authenticated  4. has posted articles |
| Postconditions: | 1. the article is deleted in the database  2. the article is removed on the board |
| Normal Flow: | **16.0 Delete posted article from the board**  1. visit the website  2. sign up or login to the account  3. go to the board which the article has been posted  4. click the “delete” button  5. click the “confirm” button  6. the article is deleted in the database |
| Alternative Flows: | **16.1 Edit posted article from the user homepage**  1. visit the website  2. sign up or login to the account  3. go to user’s personal homepage  4. go to the pages section  5. click into the post which the user wants to delete  6. click the “delete” button  7. click the “confirm” button  8. the article is deleted in the database |
| Exceptions: | **16.0.E.1, 16.1.E.1 The article is deleted by moderator/ administrators**  1. moderator/ administrators found objectionable contents  2. moderator/ administrators delete the article  3. user will not see the article  4. view the mail and look for the reason |
| Includes: | Read articles  Login  Post articles |
| Priority: | High |
| Frequency of Use: | Once or None per article |
| Business Rules: | None |
| Special Requirements: | Moderator should think carefully before they delete other user’s article, or they can send notice to the administrator first. |
| Assumptions: | Assume users post their article on a different board and they want to delete it. |
| Notes and Issues: | The delete article may send to a database for records, this feature is on pending. |

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| Use Case ID: | 17 | | |
| Use Case Name: | Place someone on blacklist | | |
| Created By: | Kuok Kan Lei | Last Updated By: | Kuok Kan Lei |
| Date Created: | 11/2/2018 | Date Last Updated: | 11/2/2018 |

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| Actors: | All users, except guest users and official account |
| Description: | Allow users to put other users into blacklist, and block them from viewing their articles, comments and personal homepage. |
| Trigger: | To stop cyberbully, agreement between users. Reduce hate speech and harassment on the forum. |
| Preconditions: | 1. visit our website  2. sign up or login to the account  3. have a targeted user |
| Postconditions: | 1. the user is place in the blacklist  2. the user cannot view your articles, comments and homepage  3. you cannot see the blocked users’ articles, comments, homepage |
| Normal Flow: | **17.0 Place a user into blacklist**  1. visit the website  2. sign up or login to the account  3. click into the targeted user’s homepage  4. click on the “block” button  5. the user is placed in the blacklist |
| Alternative Flows: | None |
| Exceptions: | **17.0.E.1 The article is deleted by moderator/ administrators**  1. The targeted user has placed you on the blacklist  2. You cannot view the targeted user’s homepage  3. you cannot see the targeted user’s article, comments, homepage  4. the targeted user cannot see your article, comments, homepage |
| Includes: | Read articles |
| Priority: | High |
| Frequency of Use: | Couple times per user |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | Assume there are arguments on the article, user can place someone on blacklist to prevent the argument to be expanded. |
| Notes and Issues: | If user remove someone on the blacklist, they have to wait 24 hours to put the same user into blacklist again. |

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| Use Case ID: | 18 | | |
| Use Case Name: | Upload image as banner of personal homepage | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | General Users |
| Description: | General users can upload the image from their file as the banner of their homepage. |
| Trigger: | 1. Users would like to show their favorite image as their banner of homepage to show their interests.  2. Users would like to attract people who visit their homepages. |
| Preconditions: | 1. Open website |
| Postconditions: | 1. Quit the personal homepage  2. Back to homepage |
| Normal Flow: | **18.0 Upload the picture as banner**  1. Click the username on the top of the page  2. Enter the personal homepage  3. Click upload new image beside banner  4. Upload image from file  5. Adjust the size of image  6. Click “Confirm” button |
| Alternative Flows: | None |
| Exceptions: | **18.0.E.1 The image is too small**  Users should upload a bigger size image  **18.0.E.2 The image is illegal**  The image is about sex or violence or other illegal information  **18.0.E.3 The format of the image does not fit the system**  Users should upload a image with jpeg format |
| Includes: | Login in as user |
| Priority: | Medium |
| Frequency of Use: | Base on how often the general user would like to change banner |
| Business Rules: | Users cannot upload illegal image on the Internet |
| Special Requirements: | None |
| Assumptions: | Assume users would like to change the banner |
| Notes and Issues: | None |

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| Use Case ID: | 19 | | |
| Use Case Name: | Send friend request | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | General Users |
| Description: | General users can send a friend request to the other users. If the users who receive the friend request agree, they become friends. |
| Trigger: | Users would like to make friend with people with same interests or people they are interested in. |
| Preconditions: | 1. Open website  2. Find other users |
| Postconditions: | 1. Quit the personal homepage  2. Back to homepage |
| Normal Flow: | **19.0 Send friend request to other users**  1. Click the ID of the person that the user would like to send friend request  3. Enter that person’s personal homepage  4. Click the “Send friend request” button below that person’s profile. |
| Alternative Flows: | None |
| Exceptions: | **19.0.E.1 The user is in the blacklist of the other user**  1. The system will forbid the user to send friend request to that user.  2. The user cannot interact with that user. |
| Includes: | Login in as a user |
| Priority: | High |
| Frequency of Use: | Base on if the user would like to send a friend request |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | Assume most of users would like to make friends with others |
| Notes and Issues: | None |

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| Use Case ID: | 20 | | |
| Use Case Name: | Apply for Moderator | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | General Users |
| Description: | All general users can apply for moderator of the section to manage the section and posts. |
| Trigger: | Active users would like to manage the section and posts in order to help improve the forum. |
| Preconditions: | 1. Open website  2. Go to section |
| Postconditions: | 1. Receive a “Apply successfully” message  2. Back to section  3. Back to homepage |
| Normal Flow: | **20.0 User wants to apply for moderator**  1. Click the “Apply for moderator” button in the section  2. Fill in the ID and basic information  3. Fill in the reason of applying for moderator  4. Click “Confirm” button |
| Alternative Flows: | None |
| Exceptions: | **20.0.E.1 The user has too many violation records**  The system will reject the application automatically.  **20.0.E.2 The user does not meet the requirements**  The system will send a reject reply after the administrators check the information of the user |
| Includes: | Login in as user |
| Priority: | Medium |
| Frequency of Use: | Base on whether the user wants to be a moderator |
| Business Rules: | None |
| Special Requirements: | The user must sign up for at least one year |
| Assumptions: | Assume active users would like to build and make the forum better |
| Notes and Issues: | None |

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| Use Case ID: | 21 | | |
| Use Case Name: | Highlight posts | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Moderator |
| Description: | The moderator of the section would like to highlight the posts with high quality. |
| Trigger: | The users will be inspired if moderator highlights their posts. Therefore more and more users would like to post interesting news and useful information. |
| Preconditions: | 1. Open website  2. Go to section  3. Browse the posts  4. Find the posts with high quality |
| Postconditions: | 1. Quit the post  2. Back to section  3. Back to homepage |
| Normal Flow: | **21.0 Moderator can highlight the posts in section**  1. Click the post  2. Click the set button on the top of the post  3. Choose “Highlight this post” |
| Alternative Flows: | None |
| Exceptions: | None |
| Includes: | Login in  Enter section  Find the post |
| Priority: | High |
| Frequency of Use: | Base on how many new posts per day |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as moderator |
| Assumptions: | Assume most of the users will click the highlighted posts |
| Notes and Issues: | None |

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| Use Case ID: | 22 | | |
| Use Case Name: | Add sticky posts | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Moderator |
| Description: | Moderator can turn the normal posts to sticky posts. |
| Trigger: | Moderator would like to add sticky posts with high quality contents in order to attract more users. |
| Preconditions: | 1. Open website  2. Go to section  3. Browse the posts  4. Find the posts with high quality |
| Postconditions: | 1. Quit the post  2. Back to section  3. Back to homepage |
| Normal Flow: | **22.0 Moderator can add sticky posts in section**  1. Click the post  2. Click the set button on the top of the post  3. Choose “Set as sticky post” |
| Alternative Flows: | None |
| Exceptions: | None |
| Includes: | Login in  Enter section  Find the post |
| Priority: | High |
| Frequency of Use: | Base on if the section need a sticky post or not |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as moderator |
| Assumptions: | Assume most of the users will click the sticky posts |
| Notes and Issues: | None |

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| Use Case ID: | 23 | | |
| Use Case Name: | Send announcements | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Moderator |
| Description: | Moderator can send announcement in the section. |
| Trigger: | Moderator send announcement in order to remind the users of this section that there are some important things to notice. |
| Preconditions: | 1. Open website  2. Go to section |
| Postconditions: | 1. Receive sending successfully prompt  2. Back to section  3. Back to homepage |
| Normal Flow: | **23.0 Moderator can send announcements in section**  1. Find the post box at the bottom of the section  2. Enter title  3. Enter content  4. Click “Send” button |
| Alternative Flows: | None |
| Exceptions: | **23.0.E.1 Illegal language in the post**  The system will not allow the moderator to send the announcements with illegal language  **23.0.E.2 The content too short to send**  The announcements should contain at least 150 words  **23.0.E.3 No title**  The announcements should contain a title |
| Includes: | Login in  Enter section |
| Priority: | High |
| Frequency of Use: | Base on if the sections need announcements or not |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as moderator |
| Assumptions: | Assume most of the users will check the announcement |
| Notes and Issues: | None |

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| Use Case ID: | 24 | | |
| Use Case Name: | Lock a post that includes inappropriate language | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Moderator |
| Description: | The moderator can lock posts with inappropriate language. |
| Trigger: | If some posts contain inappropriate language, the moderator has authority to lock the post. The illegal post cannot be reply by users. |
| Preconditions: | 1. Open website  2. Go to section  3. Browse the posts  4. Find the posts that includes inappropriate language |
| Postconditions: | 1. Quit the post  2. Back to section  3. Back to homepage |
| Normal Flow: | **24.0 Moderator is able to lock a post that includes inappropriate language**  1. Click the post  2. Click the set button on the top of the post  3. Choose “Lock” |
| Alternative Flows: | None |
| Exceptions: | **24.0.E.1 The user who send the post delete it by himself or herself**  Moderator is not able to click the post |
| Includes: | Login in  Enter section  Find the post |
| Priority: | High |
| Frequency of Use: | Base on if there are illegal posts in the section |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as moderator |
| Assumptions: | 1. Assume users will send illegal posts.  2. Assume moderators check the posts everyday. |
| Notes and Issues: | None |

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| Use Case ID: | 25 | | |
| Use Case Name: | Unlock a post after investigate | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Moderator |
| Description: | The moderator can unlock posts if there is no inappropriate language. |
| Trigger: | After investigating, if the moderator ensures that the post is legal. The post can be reply by users after unlocking. |
| Preconditions: | 1. Open website  2. Go to section  3. Browse the posts  4. Find the posts that has been locked  5. Open the post  6. Check if there are inappropriate words or content |
| Postconditions: | 1. Quit the post  2. Back to section  3. Back to homepage |
| Normal Flow: | **25.0 Moderator can unlock the post if there is no illegal content**  1. Click the post  2. Click the set button on the top of the post  3. Choose “Unlock” |
| Alternative Flows: | None |
| Exceptions: | **25.0.E.1 There are inappropriate words or content in the post**  Moderator will keep locking the post |
| Includes: | Login in  Enter section  Find the post |
| Priority: | High |
| Frequency of Use: | Base on if there are illegal posts in the section |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as moderator |
| Assumptions: | Assume moderators check the posts everyday |
| Notes and Issues: | None |

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| --- | --- | --- | --- |
| Use Case ID: | 26 | | |
| Use Case Name: | Delete posts | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Moderator |
| Description: | The moderator can delete the posts in section. |
| Trigger: | If there are posts with repeated or irrelevant contents, the moderator have the authority to delete the posts. |
| Preconditions: | 1. Open website  2. Go to section  3. Browse the posts  4. Find the posts need to be deleted |
| Postconditions: | 1. Receive deleting successfully prompt  2. Back to section  3. Back to homepage |
| Normal Flow: | **26.0 Moderator is able to delete post**  1. Click the post  2. Click the set button on the top of the post  3. Choose “Delete” |
| Alternative Flows: | None |
| Exceptions: | **26.0.E.1 The user who send the post delete it by himself or herself**  Moderator is not able to click the post |
| Includes: | Login in  Enter section  Find the post |
| Priority: | High |
| Frequency of Use: | Base on if there are posts need to be deleted |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as moderator |
| Assumptions: | Assume moderators check the posts everyday |
| Notes and Issues: | None |

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| Use Case ID: | 27 | | |
| Use Case Name: | Post news and announcements | | |
| Created By: | Zhihong Teng | Last Updated By: | Zhihong Teng |
| Date Created: | 10/26/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Official Account |
| Description: | The official account can post the news and announcements. |
| Trigger: | The official account would like to release the latest news or clarify the rumors. |
| Preconditions: | 1. Open website  2. Go to official section |
| Postconditions: | 1. Quit the post  2. Back to section  3. Back to homepage |
| Normal Flow: | **27.0 official account can post the news and announcements**  1. Find the post box at the bottom of the page  2. Enter title  3. Enter content  4. Click “Send” button |
| Alternative Flows: | None |
| Exceptions: | **27.0.E.1 Illegal language in the post**  The system will not allow the moderator to send the announcements with illegal language  **27.0.E.2 The content too short to send**  The announcements should contain at least 150 words  **27.0.E.3 No title**  The announcements should contain a title |
| Includes: | Login in  Enter section  Find the post |
| Priority: | High |
| Frequency of Use: | Base on if there are news or announcements |
| Business Rules: | The should not be illegal contents |
| Special Requirements: | Login in as official account |
| Assumptions: | Assume many users follow the official account of companies of games |
| Notes and Issues: | None |

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| Use Case ID: | 28 | | |
| Use Case Name: | Ban user ID/IP address | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 11/02/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | Administrator |
| Description: | The administrator will ban the ID/IP address of some users who are reported multiple times. |
| Trigger: | The toxic behaviors of this user have seriously affected the online environment. |
| Preconditions: | 1. Log in to the administrator account 2. Receive multiple reports saying that this user post inappropriate comments |
| Postconditions: | 1. Banned users cannot log in to their account anymore 2. Block access to the illegal user's homepage |
| Normal Flow: | **28.0 Ban illegal users**   1. The administrator needs to open the illegal user’s homepage 2. Click the “suspend” button to ban the illegal user |
| Alternative Flows: | None |
| Exceptions: | None |
| Includes: | Log in |
| Priority: | High |
| Frequency of Use: | Approximately 1 time per week |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | Assume these illegal users will damage our reputation |
| Notes and Issues: | None |

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| Use Case ID: | 29 | | |
| Use Case Name: | Assign Moderator | | |
| Created By: | Yu Tian | Last Updated By: | Yu Tian |
| Date Created: | 11/02/2018 | Date Last Updated: | 11/03/2018 |

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| Actors: | General users |
| Description: | Specify a user to become a moderator. This user will assist the administrator in managing the section |
| Trigger: | The administrator wants to find a moderator in order to help managing a specific section. |
| Preconditions: | 1. Log in to the administrator account 2. Receive application from users |
| Postconditions: | 1. Give the moderator some special authorities that general users do not have |
| Normal Flow: | **29.0 Assign Moderator**   1. Open Authorization page 2. Click the “Approve” button to assign the moderator. |
| Alternative Flows: | None |
| Exceptions: | None |
| Includes: | Log in |
| Priority: | Medium |
| Frequency of Use: | Depends on how many sections we have and how much applications we received. |
| Business Rules: | None |
| Special Requirements: | None |
| Assumptions: | Assume the user who applies for moderator has the ability to manage a specific section |
| Notes and Issues: | None |