'Fennec' Test Plan

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Numeric rating	Severity Scale
1	Critical
2	Important
3	Workaround

Each test consists of parts:
A. Identification, description and Classification
B. Instructions
C. Expected Result

1. As a user, I would like to view YouTube videos and SoundCloud media in a synchronized manner with my friends and strangers.

   A. PLAYBACK 01, Video plays in a synchronous fashion,1
   B. Open at least 2 browsers with the fennec homepage, join the same station and enqueue a video.
   C. All videos playing have the same timestamp

   A. PLAYBACK 02, Media equivalence, 2
   B. Open fennec in a browser, join a station, using the IRC client enqueue the following youtube video "https://www.youtube.com/watch?v=dQw4w9WgXcQ", then add the following soundcloud sound "https://soundcloud.com/nils-official/rick-astley-feat-avicii-never"
   C. The queue should now have two items, a video should be playing in the station and a soundcloud song should be next in queue

   A. PLAYBACK 03, Null video enqueue, 1
   B. Open fennec in a browser, join a station, using the IRC client enqueue the following youtube video "https://www.youtube.com/watch?v=404"
   C. The queue should remain empty, no video should be playing

2. As a user, I would like to be able to communicate with my friends and strangers through a text based medium.

   A. CHAT 01, Users can send and receive chat messages, 1
   B. Open at least 2 browsers with the fennec homepage, join the same station, one user sends a message
   C. The other user(s) should be able to see it in the chat box

A. CHAT 02, Chat equivalence, 1
B. Send "hello, it's me" to the chat
C. the message should be visible by all users in the station

A. CHAT 03, Empty string, 2
B. Attempt to send an empty message to the chat
C. the message should not be sent

3. As a user, I would like to be identified by a unique username of my choosing.

A. NAMING 01, Name is saved, 01
B. Open a Fennec in a new browser window, set a name of your choosing.
C. The application should not crash and you should see the chosen name displayed on the webpage.

A. NAMING 02, Proper name, 2
B. Open a Fennec in a new browser window, set the name to "Test Fest".
C. You should now see "Test Fest" displayed on the webpage.

A. NAMING 03, UTF-8 Support, 3
B. Open a Fennec in a new browser window, name yourself "(͡° ͜ʖ ͡°)". Join a station and send a message.
C. You should be able to see your name as "(͡° ͜ʖ ͡°)" on the Fennec homepage.

4. As a user, I would like to hear a sound when a message is posted.

A. SOUND 01, Sound notification, 3
B. Have two sessions connect to a station, make one session send a message to IRC.
C. The other session should hear a sound notification.

A. SOUND 02, Notification muting, 3
B. Set a session's settings to mute notifications, have another session send a message to IRC.
C. The session should not play a notification sound.

A. SOUND 03, Vote-to-kick notification sound, 3
B. Have one user call a vote to kick another user.
C. All sessions should play a notification sound.

5. As a user, I would like to be able to search available media through Fennec.

A. SEARCHFENNEC 01, search for media in fennec, 1
B. type into the search bar the title of the desired media

C. the search box should populate with options including the desired media

A. SEARCHFENNEC 02, equivalence search in fennec, 1
B. type into the search bar "History of Japan"
C. the search box should populate with the history of japan video from youtube

A. SEARCHFENNEC 03, empty search in fennec, 2
B. press enter in the search bar
C. no results should be given

A. SEARCHFENNEC 04, maximum characters in search bar, 3
B. enter 256 characters into the search bar, and then attempt to enter another character
C. the final character should not appear

6. As a user, I would like to be able to search YouTube's results for a query.

A. YTSEARCH 01, Search YouTube results, 1
B. Open the browser. Enter the search query. Configure to return only YouTube results. Click the search button.
C. The search results should work and only displays the ones from YouTube.

A. YTSEARCH 02, Search YouTube results, 3
B. Open the browser. Enter "History of Japan" as the search query. Configure to return only YouTube results. Click the search button.
C. The search results should display YouTube results related to history of Japan.

A. YTSEARCH 03, Search with empty space, 3
B. Open the browser. Enter nothing into search box. Configure to return only YouTube results. Click the search button.
C. There should not be any search results

7. As a user, I would like to be able to search Soundcloud's results for a query.

A. SCSEARCH 01, Search SoundCloud results, 1
B. Open the browser. Enter the search query. Configure to return only SoundCloud results. Click the search button.
C. The search results should work and only displays the ones from SoundCloud.

A. SCSEARCH 02, Search SoundCloud results, 3
B. Open the browser. Enter "Ylvis" as the search query. Configure to return only SoundCloud results. Click the search button.
C. The search results should display SoundCloud results related to Ylvis.

A. SCSEARCH 03, Search with empty space, 3
B. Open the browser. Enter nothing into search box. Configure to return only SoundCloud results. Click the search button.
C. There should not be any search results

8. As a user, I would like to be able to preview items returned in my search by their thumbnail images.

A. THUMBNAIL 01, Thumbnails shown in search, 2
B. Open fennec in a browser, search for content you know exists on YouTube
C. The results displayed in the browser should all have a thumbnail, for media which did not prior have a thumbnail should have a placeholder.

A. THUMBNAIL 02, Equivalence class, 2
B. Open fennec in a browser, search for "Cat Transcendence"
C. You should see youtube results with a thumbnail of a cat with a flower on it's head

A. THUMBNAIL 03, empty search no thumbnail, 3
B. Open fennec in a browser, enter nothing into the search box
C. Since no results are returned, no thumbnails from media should be displayed

9. As a user, I would like to add media to the queue to be played.

A. ADDMEDIA 01, Add youtube video to queue 1
B. Open fennec in a browser, join a station, search for content you know exists on YouTube
C. Clicking on a result should add the video to the queue

A. ADDMEDIA 02, Add Soundcloud audio to queue 1
B. Open fennec in a browser, join a station, search for content you know exists on Soundcloud
C. Clicking on a result should add the audio to the queue

A. ADDMEDIA 03, Add invalid content to queue 3
B. Open fennec in a browser, join a station, try to add an invalid content url through IRC 'ie !add https://www.youtube.com/watch?v=404
C. The content is not added to queue

10. As an Admin, I would like to remove content from the queue.

A. ADMINREMOVECONTENT 01, Admin removes media from queue with 'x' button, 2
B. As an admin, attempt to remove an item from the queue by clicking the 'x' on the video
C. the item should be removed from the queue

A. ADMINREMOVECONTENT 02, Admin removes media from queue with IRC, 2
B. As an admin, attempt to remove an item from the queue through IRC by typing "!remove " followed by the url of an item in the queue
C. the item should be removed from the queue

A. ADMINREMOVECONTENT 03, remove history of japan from queue, 2
B. As an admin, type "history of japan" into search, click on the first search result from Youtube, then click the 'x' on the video in the queue
C. the "history of japan" video should be removed from the queue

A. ADMINREMOVECONTENT 04, Admin attempts to remove nonexistent item, 3
B. As an admin, through IRC, attempt to remove an item that does not exist in the queue
C. nothing should occur, no videos should be removed

11. As a user, I would like to vote to remove content from the queue.

A. USERREMOVECONTENT 01, Users vote to remove media from queue with 'x' button, 2
B. Open at least 3 browsers with the fennec homepage, attempt to remove an item from the queue by clicking the 'x' on the video with three users
C. The item should be removed from the queue only after the third vote

A. USERREMOVECONTENT 02, Users vote to remove media from queue with IRC, 2
B. Open at least 3 browsers with the fennec homepager, attempt to remove an item from the queue through IRC with 3 users by typing "!remove " followed by the url of an item in the queue
C. The item should be removed from the queue only after the third vote

A. USERREMOVECONTENT 03, Users vote to remove history of japan from queue, 2
B. As a user, type "history of japan" into search, click on the first search result from Youtube, then, open at least 3 browsers with the fennec homepage, click the 'x' on the video in the queue with 3 users
C. The "history of japan" video should be removed from the queue after the third vote

A. USERREMOVECONTENT 04, User attempts to remove nonexistent item, 3
B. As a user, through IRC, attempt to remove an item that does not exist
C. Nothing should occur, no videos should be removed

12. As a Admin, I would like to remove a user's ability to add to the queue.

A. ADMINREMOVEQUEUE 01, Remove user queue privilege, 2
B. Have an admin send a user revoke request, then have the user attempt to queue a song.
C. The user should not be able to queue a song.

A. ADMINREMOVEQUEUE 02, Remove a user that's already been removed, 3
B. Have an admin send a user revoke request on a user that already had his/her rights to queue songs stripped.
C. The user should still be unable to add songs to the queue.

A. ADMINREMOVEQUEUE 03, All powerful admin, 3
B. Have an admin attempt to remove their own rights to queue a song.
C. The admin should still be able to queue a song.

13. As a user, I would like to vote to remove a user's ability to add to the queue.

A. USERREMOVEQUEUE 01, Vote remove user queue privilege, 2
B. Have a user vote to remove a user's rights to queue media.
C. That user's removal count should go up by 1.

A. USERREMOVEQUEUE 02, Additional votes irrelevant, 2
B. Have a user vote to remove the rights of a user whose rights have been removed.
C. Nothing should happen.

A. USERREMOVEQUEUE 03, Vote passes, 2
B. Have a user vote to remove a user's rights to queue media when only one more vote is needed.
C. The voted user's rights should be removed.

14. As an Admin, I would like to kick malicious users from a station.

A. ADMINKICK 01, Kick a user, 1
B. Have an admin kick a user from the station. ie '!kick #user1'
C. The user's IP should be banned from the station.

A. ADMINKICK 02, Kick someone already kicked, 2
B. Have an admin kick a kicked user from the station. ie '!kick #user1'
C. No extra action should take place.

A. ADMINKICK 03, Admins can't kick themselves, 3
B. Have an admin attempt to kick himself. '!kick #admin'
C. The admin will remain in the channel.

15. As a user, I would like to vote to kick malicious users from a station.

A. VOTEKICK 01, Vote to kick a user, 1
B. Have a non-admin user vote to kick a user from the station. '!kick #user1'

C. The user should still be in the station

A. VOTEKICK 02, Vote to kick a user, 1
B. Have a 3 non-admin users of 4 non-admin users vote to kick a user from the station ie '!kick #user1'
C. The user's IP should be banned from the station

A. VOTEKICK 03, Vote to kick user fails, 1
B. Have 1 non-admin user vote to kick a user, 3 non-admin users vote to kick a user
C. The user continues to exist in the station

A. VOTEKICK 04, Vote to kick an admin, 1
B. Have a non admin vote to kick an admin.
C. The vote instantly fails.

16. As a user, I would like to create 'stations' that can be joined by others.

A. JOINABLESTATION 01, Create a joinable public station, 1
B. Open fennec in 2 browsers. The first one will create a public station. Then, let the second one browse the station lists and attempt to join the station the first fennec created.
C. The second one should get into that station.

A. JOINABLESTATION 02, Create a joinable private station, 1
B. Open fennec in a browser. Let it create a private station by setting visibility to hidden and retrieve a shareable link. Then, open another browser and load that link.
C. It should get into the private station.

A. JOINABLESTATION 03, Equivalence joinable public station, 1
B. Open fennec in 2 browsers. The first one will create a public station "A". Then, let the second one browse the station lists and attempt to join the station "A"
C. The second user should get into that station.

A. JOINABLESTATION 04, Fail to create a station, 3
B. Open fennec in a browser, go to create station, do not finish station creation
C. Station should not be created or get a link to share

17. As a user, I would like to be able to set a color for my station to differentiate it from others.

A. STATIONCOLOR 01, Set station color, 1
B. Open fennec in a browser, in the station creation menu and select a color RGB(255, 0, 0)
C. Station color should be very red

A. STATIONCOLOR 02, Set station color black, 1
B. Open fennec in a browser, in the station creation menu, select the color RGB(0, 0, 0)
C. Station color should be black

A. STATIONCOLOR 03, Set station color multiple, 3
B. Open fennec in two browsers, create a station in one, do not select a color
C. Color should be the default blue

18. As a user, I would like to be able to give a sharable link to join a 'station'.

A. SHARELINK 01, user link sharing, 2
B. Join a station and copy the link in the browser url box. Attempt to open the link on another browser or computer
C. The user correctly joins the station

A. SHARELINK 02, invalid user link sharing, 3
B. Join a station and incorrectly copy the link in the browser url box, or use an invalid id. Attempt to open the link on another browser or computer
C. The user is redirected to the home page

A. SHARELINK 03, user link generation, 3
B. Join a station
C. The browser url is correctly changed to the station's unique ID

19. As a user, I would like to browse joinable 'stations' through the web client.

A. BROWSE 01, created station is joinable, 2
B. Open a browser new window, create a stations with unique name and visibility set to true, go to the Fennec homepage, find the new station and join it
C. You should be able to see the station while browsing the homepage and be also able to join it

A. BROWSE 02, view created stations, 2
B. Open 2 browser windows, create 2 stations with unique names and visibility set to true, go to the Fennec homepage and browse joinable stations
C. You should see the 2 created stations while browsing the joinable stations

A. BROWSE 03, view with no stations, 3
B. Open a browser new window, with no created stations, go to the Fennec homepage and browse stations
C. The joinable stations browser should be empty

20. As a user, I would like to decide if my 'station' is visible in the station browser.

A. VISIBILITY 01, globally visible station, 2
B. Open fennec in a browser, create a station, in a new browser window look for the station in the globally listed stations on the Fennec homepage.
C. You should be able to see and join the station from the homepage.

A. VISIBILITY 02, set station as invisible, 2
B. Open fennec in a browser, create a station, open the settings menu and deselect visible. In a new browser window look for the station in the globally listed stations on the Fennec homepage.
C. You should not be able to find the station as one of the globally listed stations

A. VISIBILITY 03, set station as both, 3
B. Open fennec in two browsers, create station in one, open settings menu in both, one browser should check visibility box and other browser should check and uncheck visibility box
C. The latest visibility change should take effect

21. As a user, I would like to be able to name my station.

A. NAMESTATION 01, Name station, 1
B. Open fennec in a browser, make a station with a desired name
C. Created station has given name

A. NAMESTATION 02, UTF-8 Name station, 2
B. Open fennec in a browser, make a station with name "(͡° ͜ʖ ͡°)" and press 'Create'
C. Created station has "(͡° ͜ʖ ͡°)" as name

A. NAMESTATION 03, No Name station, 1
B. Open fennec in a browser, make a station with blank name and press 'Create'
C. 'Create' does not respond to click, and does not create station

22. As a user, I would like to see stations sorted by viewer count.

A. STATIONSORT 01, Normal sorting, 1
B. Load the website with at least one active station.
C. The stations should be sorted by viewer count.

A. STATIONSORT 02, Stations have the same under of viewers, 3
B. Create at least two stations, and two of them should have the same number of viewers.
C. The stations should be sorted by viewer count and the two with the same number of viewers should both appear adjacent in the list

A. STATIONSORT 03, Stations have the same under of viewers, 3
B. Create a station "A" with 1 viewer, ad create a station "B" with 2 viewers. Now load the Fennec homepage.
C. The stations should be sorted with B appearing before A

A. STATIONSORT 04, No stations, 2
B. Load website with no active stations, navigate to the station browser page
C. Error message should display saying "no stations to display"

23. As a user, I would like to be able to see the nicknames and total count of listeners in each station.

A. LISTENERS 01, Display listeners in a station, 1
B. Open fennec in a browser, get into a station, click on the button that displays listeners.
C. The web client should display the nicknames and total count of listeners for that station.

A. LISTENERS 02, UTF 8 nickname, 2
B. Open fennec in two browsers, have the first one make a station, and the second one will join the station with the nickname "(͡° ͜ʖ ͡°)". Click the listeners button in the first one.
C. It should display "(͡° ͜ʖ ͡°)" for the second one's nickname.

A. LISTENERS 03, Updated correctly and immediately, 3
B. Open fennec in two browsers, have the first one make a station, and the second one will join the station with the nickname "(͡° ͜ʖ ͡°)". Click the listeners button in the first fennec. Close the second one.
C. The first (and only) fennec should display the updated total count correctly, and the listeners list should not include the second fennec.

24. As a user, I would like to circumnavigate YouTube ads (ads may create issues with synchronized playback).

A. SKIPAD 01, Skip YouTube ads as adder, 1
B. Open fennec in a browser, make a station, add a monetized YouTube video (https://www.youtube.com/watch?v=hi4pzKvuEQM)
C. Advertisement should not be played for the adder

A. SKIPAD 02, Skip YouTube ads as viewer, 1
B. Open fennec in two browsers, have one make a station, the other will join the station, the creator will add a monetized YouTube video (https://www.youtube.com/watch?v=PfGaX8G0f2E)
C. Advertisement should not be played for either browser

A. SKIPAD 03, Skip YouTube ads mid-video, 2

B. Open fennec in two browsers, have one make a station, the creator will add a monetized YouTube video (https://www.youtube.com/watch?v=uxpDa-c-4Mc), the other should join the station one minute into the video

C. Advertisement should not be played for either browser, and joiner should be synced to one minute

25. As a user, I would like to be able to view and copy the direct link to the media.

A. DIRECTLINK 01, View media link, 2
B. Open fennec in a browser, join an active station, click the "Direct Link" on the station
C. A direct link to the media should be displayed

A. DIRECTLINK 02, view and copy active media link, 2
B. Open fennec in a browser, join an active station, click the "Direct Link" on the station
C. The link displayed should link to the currently playing media

A. DIRECTLINK 03, Direct Link on offline station, 3
B. Open fennec in a browser, join a station which currently has an empty queue, click the "Direct Link" button on the station
C. An error is displayed, telling the user there is no current media