As a user, I would like to be able to sign in to MusiQueue using my Google account
  A. MQ001 - Signing in - Critical
  B. Go to the application, put in real Google credentials, press "Sign In"
  C. Application proceeds to next screen with user logged in successfully

  A. MQ002 - Phony Login - Critical
  B. Go to the application, put in fake Google credentials, press "Sign In"
  C. Application does not proceed and prompts you to retry

  A. MQ003 - Empty Login - Critical
  B. Enter no values in the sign in and try and submit
  C. Application does not proceed and prompts you to retry

  A. MQ004 - Overload Login - Critical
  B. Enter string to long and attempt to overflow buffer
  C. Application does not proceed and prompts you to retry

As a user, I would like to set and change my username
  A. MQ005 Create Username - Important
  B. Open Application, Sign in, be prompted for username, enter name and submit
  C. Name changes and updates successfully

  A. MQ006 - Change Username - Workaround
  B. Press "Change my name", enter new name, submit
  C. Name updates successfully

  A. MQ007 - Empty Input - Workaround
  B. Press "Change my name" enter nothing, submit
  C. Name does not update and prompts to enter something

  A. MQ008 - Overloaded Input - Workaround
  B. Press "Change my name" enter string over 16 chars, submit
  C. Name does not update and prompts to shorten name

As a user, I would like to connect to a hub by searching
  A. MQ009 - Join Hub - Critical
  B. Search for a hub and select result. Enter correct pin.
  C. User joins the hub and sees the hub screen

  A. MQ010 - Empty Search - Workaround
  B. Search for nothing
  C. Nothing comes up

  A. MQ011 - Overloaded Search - Workaround
  B. Search for too long of a string to overflow buffer
  C. User is prompted to input a shorter string

A. MQ012 - Invalid Pin - Critical
B. Search for hub and select result, enter wrong pin
C. Gets rejected from hub

As a user, I would like to add songs to the playlist in a hub
A. MQ013 - Adding Existing Song - Workaround
B. Click on a song that appears on a search.
C. The song is already on the playlist and it does not get added.

A. MQ014 - Add First Song - Workaround
B. Click on a song that appears on a search. Try to add it to empty queue.
C. The song gets added to the playlist and plays automatically.

A. MQ015 - Adding Multiple Songs - Important
B. Add multiple songs at a time
C. Check multiple songs are added to the playlist in same order they were added

As a user, I would like for songs to reorder based on their number of votes
A. MQ016 - Song Reorder - Workaround
B. Upvote a song
C. If the songs votes become greater than others, check to see if it changes position over those songs

A. MQ017 - Border Song Upvote - Workaround
B. Upvote a song amongst a list of songs with zero upvotes
C. See if the song becomes first in queue (apart from currently playing)

A. MQ018 - Community Queue - Workaround
B. Observe others adding songs
C. See if order updates without votes

A. MQ019 - Top Song Stick - Workaround
B. Vote on playing song
C. Song should not move until finished

As a user, I would like to vote on songs in a hub
A. MQ020 - Duplicated Upvote - Workaround
B. Upvote a song that has been upvoted by the same user
C. Observe the vote count doesn't change and the position of the song doesn't change

A. MQ021 - Upvote Song - Workaround
B. Upvote a song
C. Observe the vote count changes

A. MQ022 - Downvote Song - Workaround
B. Downvote a song

C. Observe the vote count changes

A. MQ023 - Double Votes - Workaround
B. Upvote and downvote the same song
C. Observe that only the last vote cast is represented on screen

As a user, I would like to give my hub a name and protect it with a 4 digit pin password
A. MQ024 - Empty Input - Important
B. Enter in a empty hub name
C. Have an error message pop up

A. MQ025 - Empty Input - Important
B. Enter in a empty pin
C. Have an error message pop up

A. MQ026 - Duplicate Hub Name - Important
B. Enter in a hub name that already exists
C. Have an error message pop up

A. MQ027 - Create Hub - Critical
B. Enter in a hub name and pin and submit. Search for the hub that was created.
C. You can see the hub in the list of hubs you search for.

A. MQ028 - Global Hub - Important
B. Enter in a hub name and pin
C. Have separate user search for and verify hub creation

A. MQ029 - Validate Pin - Important
B. Enter in a pin and hub name and submit. Search for the hub that was created as another user. Use the correct pin to join the hub.
C. Check to see that you have joined the hub and the hub screen is displayed.

As a hub administrator, I would like to be able to remove songs from the hub playlist

A. MQ030 - Delete Song - Workaround
B. Delete a song
C. See if the song is removed from the queue

A. MQ031 - Delete Current Song - Important
B. Try to delete a song that is currently playing
C. Nothing happens

A. MQ032 - Delete Song Boundary Case - Workaround
B. Delete the last song in the queue
C. Ensure the song is deleted

As a hub administrator, I would like to kick people off my hub and not let them rejoin

A. MQ033 - Delete Person Boundary Case - Important
B. Try to delete the first person in the hub
C. See that they are deleted

A. MQ034 - Delete Person - Important
B. Try to delete a person from the hub
C. See that they are deleted

A. MQ035 - Invalid Case - Important
B. Try to remove the administrator from the hub
C. Make sure administrator is not removed

A. MQ036 - Kicked User Rejoin - Important
B. Be booted from hub and try to rejoin
C. Verify booted user can't rejoin hub

As a user, I would like to connect to a hub near me.
A. MQ037 - Proper Hub List - Workaround
B. Create hubs local to user within 100 meters
C. Make sure hubs listed are equal to hubs just created

A. MQ038 - Join Local Hub - Workaround
B. Connect to hub around me
C. Confirm you are part of the hub

A. MQ039 - Ensure Locality - Workaround
B. Create hub 100+ meters away from other user
C. Verify distant user can't access hub

A. MQ040 - Enter Hub Range - Workaround
B. Walk within 100 meters of hub
C. Verify hub become available

As a user, I would like to sign out out of my Google account
A. MQ041 - Signing Out - Important
B. Sign out of account
C. Verify you are signed out

A. MQ042 - Re-Sign In - Important
B. Sign out of account, and re enter app
C. Verify you are prompted to log in

As a user, I would like to leave a hub
A. MQ043 - Leaving Hub - Workaround
B. Leave hub.
C. Check you are taken out of hub's page and back to main screen

A. MQ044 - Leave And Rejoin - Workaround
B. Leave hub
C. Rejoin the hub and confirm you are part of hub

As a user, I would like to pull up a YouTube search in app
A. MQ045 - Song Search - Critical
B. Enter in the name of a song
C. Check to make sure the top five results appear.

A. MQ046 - Proper Output - Critical
B. Exit the search.
C. Make sure that you are back on the hub screen.

As an administrator, I would like all songs to be searched and selected from YouTube
A. MQ047 - Search Query - Workaround
B. Start typing in the search bar
C. Suggested songs are displayed as you are typing

A. MQ048 - Sorted Results - Critical
B. Type a song into the search bar
C. Songs are displayed in an organized manner and are selectable

A. MQ049 - Select Song - Critical
B. Select a song from the displayed songs
C. Song is added and displayed to the end of the queue and plays automatically if it is the first song being added

As a hub administrator, I would like to see, hear and control the current video playing on my screen
A. MQ050 - Testing Play - Critical
B. Press the play button (if it does not start automatically) and turn up your volume
C. Video and sound are playing

A. MQ051 - Testing Pause - Workaround
B. Press the pause button
C. Video and sound are paused and option to resume is displayed

A. MQ052 - Testing Volume - Workaround
B. Adjust volume bar on YouTube player
C. Volume increases and decreases according to volume bar position

A. MQ053 - Autoplay Songs - Important
B. Add multiple songs to the queue. Let the first song play all the way through
C. Next song on queue automatically begins to play

A. MQ054 - Empty Queue - Important
B. Allow all songs in queue to play all the way through
C. App can handle an empty queue and react to new songs being added again

As a user, I would like to automatically be granted access when returning to a hub I have previously provided the correct pin for.

  A. MQ055 - Joing Previous Hub Logout Workaround
  B. Join a hub that already exists by entering the correct pin. Logout from your Google account on the app. Login again and try joining the hub you already joined before.
  C. You are automatically back in without being required to retype the pin

  A. MQ056 - Joing Previous Hub Leave - Workaround
  B. Join a hub that already exists by entering the correct pin. Leave the Hub. Get back in the hub.
  C. You are automatically back in without being required to retype the pin