

# How to use MusiQueue

## Team 10 - MusiQueue-Web

Go to <https://musiqueue-web.firebaseio.com> to access Musi-Queue.

MusiQueue is a web application that can be thought of as multiple online jukeboxes. The welcome screen allows you to login using your Google account. You can only access the app if you are logged in, and you can logout from any page in the app besides the login screen.

Once logged in you are allowed to give yourself a username that cannot contain whitespace. You are allowed to change this username at any point by navigating back to the "Getting Started" page. From this page you can decide whether you want create a hub or join an existing hub.

If you decide to create a hub, you will be directed to the create hub page where you will be prompted to enter the name of your new hub. This hub name is case sensitive and cannot be whitespace or null. The hub password is a 4 digit number. Error messages will pop up if invalid input is given and the app will not direct to a new page. A button labelled "Allow Location" is there and if pressed will allow others that are within ~1 mile of the location where the hub is created to discover the hub. Users more than ~1 mile away will not be able to discover this hub. Pressing create hub will direct the user to the hub admin view of their newly created hub where they will be the hub administrator.

If you decide to join a hub, you will be directed to the join hub page where you can search for hubs by name, location, or recent. If you search by name, you will receive a selectable, case insensitive list of hubs that you searched for. If you search by location, you will receive a list of all hubs created within ~1 mile of your current location. If you search by recent, you will receive a list of all hubs you joined in the last 7 days. Once you select a hub you must enter the 4 digit pin of the hub. Any invalid inputs will give an error message, and the correct pin will redirect you to the hub's view. If you are the admin of the hub, you will see the admin view, if you are not you will see the regular user view of the hub.

The hub admin view is for the owner of the hub only. In this view you will see a youtube player and 3 tabs. When a hub has no songs in the playlist, the hub admin will see text in place of the Youtube player instructing them to add songs to the playlist. The youtube player is to play the current song at the top of the hub. The 'Queue' tab displays all of the songs currently in the hub in order of votes. Each song has an upvote and downvote button and each user only has 1 vote to use on each song that they can switch as wanted. For instance if you downvote a song with a score of 0 it will go to -1, if you then upvote that song it will go to 1. If you press upvote again, the song will go back to 0. The queue will reorder as vote values change on each song. Each song also shows the nickname of the user who added it to the Queue. The 'Songs' tab is for searching songs to add to the Queue from YouTube. Each YouTube search will return the top 8 videos for each search. If selected, the song will be added to the Queue with a score of 0 and the user's nickname. The 'Users' tab is for the hub administer to see all users who have joined his hub. From this tab the hub admin has the ability to remove users from that specific hub. Anyone who is kicked from a hub will never be able to rejoin the hub. The idea behind the admin view is that in a social setting, 1 person will be playing music in public, but many people can contribute to the Queue in real time.

If you join a hub that you did not create, then you will see the user's hub view. The user's hub view behaves exactly like the admin hub view, but the user does not see the youtube player, or the list of users in a hub. A user can only add songs to the Queue, and vote on songs in the Queue. The hub's name is displayed at the top of the screen. If the user is kicked out, they will no longer be able to contribute to the hub.

The only way to access a hub is through the process described above. All usernames/nicknames must be less than or equal to 12. All hub names must be less than or equal to 24 characters.

Please note that we are hosting the website for free, and there are certain data limits that exist. Within reason, please do not create excessive amounts of users, hubs, or songs as we will get charged money. No seeded bugs exist regarding the amount of possible users or songs in a hub besides those that cost us money.