

# Test Plan



# Issue Record

Version	Date	Notes
0.1	16/4/21	First draft
0.2	19/6/20	Added version history and updated test strategy

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# Test Strategy

## What tests will be done and why?

For this project, unit tests will be written to test individual parts of the backend service layer. Also, cypress will be used to execute user acceptance tests and integration tests to verify that the frontend and backend are connecting and giving the expected results. This ensures that the application meets the set requirements related to the scenarios described in the 10 user stories.

## User Acceptance Tests

RULE: You must be logged in to create playlists

ID	GIVEN	WHEN	THEN
01	N/A	The user enters the correct login details for my account	The page changes and my username appears in the top right corner of the screen
02	The user is logged in	The users selects to save a playlist	The playlist will show up in the user's library
03	The user is logged in and has already saved the chosen playlist	The user selects to create a playlist with the same name	The playlist will not be saved and the system will display an error message alerting the user why it wasn't saved

RULE: A specific song can only appear once in a playlist

ID	GIVEN	WHEN	THEN
04	The user is logged in AND is the owner of the playlist AND the playlist is empty	The users selects to add the song to the playlist	The song will be added AND can not be added anymore
05	The user is logged in AND is the owner of the playlist AND the playlist already has a certain song	The users tried to add the song again	The system will display a notification that the song cannot be added AND it will not be saved to the playlist

RULE: Only admins can access the admin dashboard and features

ID	GIVEN	WHEN	THEN
06	The user has an admin account	The user logs in	The website will bring the user to the admin dashboard
07	The user does not have an admin account	The user logs in and change the URL to the admin dashboard URL	The website will relocate the user to the standard home page

RULE: Users have the option to search for a specific user's playlists

ID	GIVEN	WHEN	THEN
08	The user is logged in	The user enters a username to search for	The website will return a list of playlists made by the user specified
09	The user is logged in	The user enters a user that does not exist	The website will show no playlists

RULE: Users can send/receive friend requests

ID	GIVEN	WHEN	THEN
10	The user is logged in and has no active friend requests	The users receives a friend request	The user will receive the option to accept it