Test Plan

Table of Contents

Test Strategy

What tests will be done and why?

Firstly, unit tests will be written and completed to test individual methods, Integration tests will also be done to test modules/components instead of only 1 method. These two will be used for testing the backend. To test the frontend UI tests will be written and completed. To test both the frontend and backend at the same time user acceptance tests will also be completed. These both ensure that the application meets the set requirements/ aligns with the scenarios from the user stories.

User Acceptance Tests

RULE: You must be logged in to save playlists and can only be saved once

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 save the same playlist again	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 DJ's playlists

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

RULE: Users can send/have a maximum of 50 friend requests at a time

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
11	The user is logged in and has 50 active fiend requests	The user tries to send one	A notification will appear letting the user know the limit cannot be exceeded