

Listen Up

Test Case and Report

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Introduction

Firstly, a little introduction to application. Application is called ListenUp and its about people getting songs and making their own mix tape or collection.

This document is all about testing. It shows which approach is taken to test ListenUp application. Moreover, this document contains what and how testing should be done on the application.

Testing strategy and objectives

Strategy to test is to test every functionality there is with wrong and right input. After every wrong input it is to be checked that if application is going through the process or shows the wanted error message. And similarly, it is to be expected that process should go on when valid input is entered. There will multiply test cases per use case and mainly designed for front-end.

And for the backend there are 180 plus unit test covering at least 85% of the code. And the application has CI/CD integrated. Every time a change is made and push in git it goes through the whole unit tests that has been implemented. It will be known if the application's build or test fails. Moreover, it will also show if the application still has 85% coverage as new lines of code has been implemented.

Therefore, the main objective that should be gained from this document is to have bug free and user free application.

Test Approach

In current timeline, for this application everything is done using agile methodology. For testing it would not change. After every iteration, new front end code that had been implemented is tested. There test happened at the end of every week

Test cases

Third Party

ID	UC	Name	Pre-condition	Test data	Expected results	Report
TC-01	UC-18	Login	Login page	All empty textboxes	App tells to fill up boxes	Pass
TC-02	UC-18	Login	Login page	Email: thomas@gmail.com Password: 123Thomas	Goes to admin homepage	Pass
TC-03	UC-19	Signup	Register page	All empty textboxes	App tells to fill up boxes	Pass
TC-04	UC-19	Signup	Register page	Username: Duncan Email: thomas@gmail.com Password: 123Duncan	App tells email already taken	Fails
TC-05	UC-19	Signup	Register page	Weak password Password: 123455	App tells give strong password	Pass
TC-06	UC-19	Signup	Register page	Invalid email	App tells email invalid	Pass
TC-07	UC-19	Signup	Register page	Username: Duncan Email: duncan@gmail.com Password: 123Duncan@	App takes to customer homepage	Pass

Admin

ID	UC	Name	Pre-condition	Test data	Expected results	Report
TC-08	UC-01	Add song	Logged in as admin and in song page	All empty textboxes	App tells to fill up boxes	Pass
TC-09	UC-01	Add song	Logged in as admin and in song page	Selects single song. Name: Payphone Selects Maroon 5 from artist list Selects Pop from Genre list	List of songs updates	Pass
TC-10	UC-02	Delete song	Logged in as admin and in song page	Press delete button	List of songs updates	Pass
TC-11	UC-03	Add artist	Logged in as admin and in artist page	All empty textboxes	App tells to fill up boxes	Pass
TC-12	UC-03	Add artist	Logged in as admin and in artist page	Name: Shawn Mendes	List of artists updates	Pass
TC-13	UC-04	Delete artist	Logged in as admin and in artist page	Press delete button	List of artists updates	Pass
TC-14	UC-05	Add genre	Logged in as admin and in genre page	All empty textboxes	App tells to fill up boxes	Pass
TC-15	UC-05	Add genre	Logged in as admin and in genre page	Name: Country	List of genres updates	Pass
TC-16	UC-06	Delete genre	Logged in as admin and in genre page	Press delete button	List of genres updates	Pass
TC-17	UC-07	Add album	Logged in as admin and in album page	All empty textboxes	App tells to fill up boxes	Pass
TC-18	UC-07	Add album	Logged in as admin and in album page	Name: V Select Maroon 5 from artist list	List of album updates	Pass
TC-19	UC-08	Delete album	Logged in as admin and in album page	Press delete button	List of album updates	Pass

Customer

ID	UC	Name	Pre-condition	Test data	Expected results	Report
TC-20	UC-09	Like song	Logged in as customer and in list of song page	Select like for any song	App shows you liked a song	Pass
TC-21	UC-10	Unlike song	Logged in as customer and in list of song page	Select unlike if you liked any songs	App shows you unliked a song	Pass
TC-22	UC-11	Add playlist	Logged in as customer and click on add playlist	All empty textboxes	App tells to fill up boxes	Pass
TC-23	UC-11	Add playlist	Logged in as customer and click on add playlist	Name: Chill	List of playlist updates	Pass
TC-24	UC-12	Remove playlist	Logged in as customer and in my playlists page	Click delete	List of playlist updates	Pass
TC-25	UC-13	Add song to playlist	Logged in as customer and in list of song page and customer already has list of playlists	Select add to playlist	App shows list of your playlists	Pass
TC-26	UC-13	Add song to playlist	Logged in as customer and in list of song page and customer does not have list of playlists	Select add to playlist	App shows to create a playlist first	Fails
TC-27	UC-14	Remove song from playlist	Logged in as customer and in list of song of customer's playlist	Select remove from playlist	List of songs update	Pass
TC-28	UC-15	Follow playlist	Logged in as customer and in playlist page	Select follow	App shows you followed playlist	Pass
TC-29	UC-16	Unfollow playlist	Logged in as customer and in followed playlist page	Select unfollow	App shows you unfollowed playlist	Pass
TC-30	UC-17	Search song	Logged in as customer and select search	Enter anything	App shows list of songs	Pass