**Listen Up**

**Test Case and Report**

Mohammad Nazibul Kabir Khan

4263308

Content

[Introduction 3](#_Toc106337717)

[Testing strategy and objectives 3](#_Toc106337718)

[Test Approach 3](#_Toc106337719)

[Test cases 4](#_Toc106337720)

[Admin 4](#_Toc106337721)

[Customer 4](#_Toc106337722)

# 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](mailto: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](mailto: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](mailto: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 |