

TEST PLAN

MUSIC X MATCH

MAY 20TH, 2022

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Introduction

The following test plan has been created to communicate the test approach to the interested parts. This document includes the objectives, scope, schedule and approach. The test team is responsible for testing the product and ensuring it meets their needs. The test team is both the tester and the customer.

The goal of the testing website “MusicXMatch” is to gather information to develop a set of products to share music with people across the world.

During testing, the different types and approaches will be applied testing. The testing will be based on technical requirements.

Test Strategy.

- Scope: The following components are going to be tested.

Web site features:

- Registration feature.
- Login Page feature.

Integration Features

- Music share feature
- Delete account feature

API features:

- GET the top 10 artists in Mexico
- GET the artist information of the top 3 in Mexico
- GET the albums of the last 5 artists from the top 10

This document is reviewed by the tester and approved by the customer.

Test approach:

The following table describes the types of tests that shall be used in the test process.

Type Of Test	Meaning	Applied to	In approach
Unit test	Test the smallest piece of verifiable software in the application	<ul style="list-style-type: none">• Registration form• Login form	Yes
API Testing	Test the API's created for MusicXMatch	<ul style="list-style-type: none">• GET the top 10 artists in Mexico• GET the artist information of the top 3 in Mexico• GET the albums of the last 5 artists from the top 10	Yes
Integration test	Individual software modules are combined and tested as a group	<ul style="list-style-type: none">• Music share function• Delete account function	Yes.

Team Members.

Name	Role
Óscar Aguilar	Customer
Arturo Moreno	Tester

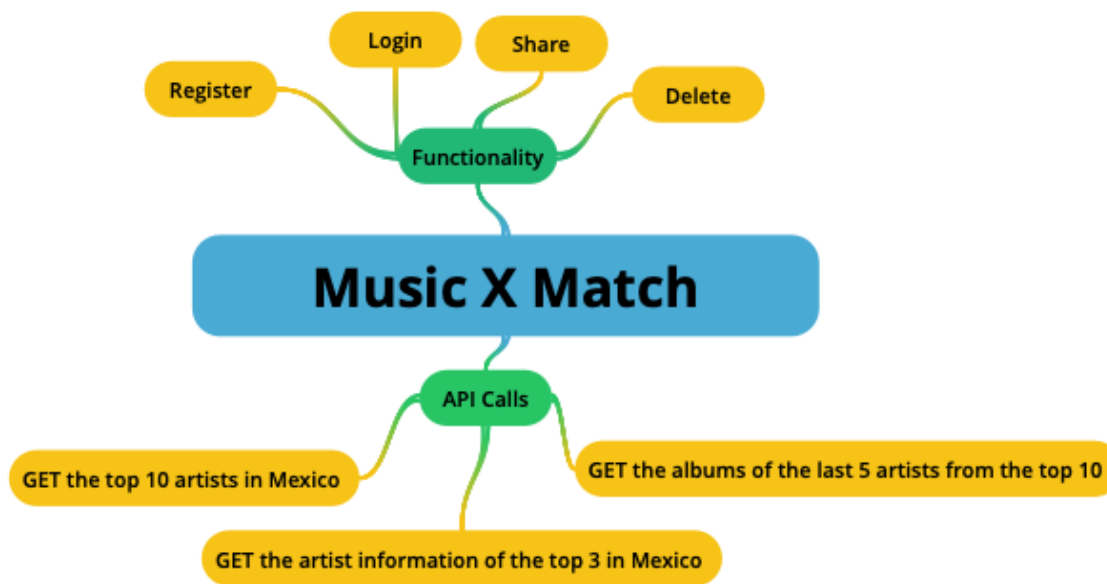
Risk and Issues.

The following risks have been identified and the appropriate action identified to mitigate their impact on the project.

Risk	Impact	Trigger	Mitigation Plan
Increase the time of the knowledge curve as a tester becomes more familiar with the tools.	High	Delays in implementation date	Priorities will be set and discussed by tester and customer. Provide the tester with all the necessary to implement the tools such as examples, documentation, etc.
Changes in the API functionality	High	Loss the API test cases	Document the API test. Get documentation and search the date for the next version on the API
Just one delivery is possible due to the time	Medium	Product did not get delivered on schedule and with not 100% of the approach goals.	Make realistic agreements with the customer.

Test Objective.

The following Mind-Map shows the features that will be tested.



Test Criteria.

90% of all critical test cases must pass to denote as a successful the test phase.

Resource Planning

○ Human Resource.

Member	Tasks
Tester	<ul style="list-style-type: none">• Define project directions• Execute the tests• Implement the test cases

○ Hardware Resource.

Item	Description
Laptop	<ul style="list-style-type: none">• 16 Gb RAM• SSD hard drive• Intel core i7 or equivalent

Schedule

ID	Name	Thu 19 2022		Fri 20 2022			
		10 AM	04 PM	10 PM	04 AM	10 AM	04 PM
1	▼ Music X Match Test						
2	Make Test Specification with customer						
3	Make Test Plan and Tests Strategy						
4	Do testing						
5	Prepared Deliverables Post Testing						
6	Pass GitHub repo to the client						

Test Deliverables.

Before test:

- Test Plan

During Testing.

- Test Scripts.

After testing.

- Test results