TEST PLAN: QA\_INTERVIEW\_EXERCISE

1. Introduction: Analyzing the Product

For our next client, we will need to test their brand-new product which is still in the development stage. The focus of this application is the sharing of liked music from people around the world. We know the application would gather its information from the musixmatch API.

Musixmatch API: <https://developer.musixmatch.com/documentation/api-methods>

1. Test Strategy

II.I Scope

We will mainly focus on testing the features previously mentioned by our client, which include:

* Website features:

**Registration:** “As a user, I want to have a register button on the main page so that I can register if I don’t have an account created”.

**Login Page:** “As a user, I want to be able to log in to my account so that I can access my profile”.

**Music Share:** “As a user, I want to have the option to like songs so that only my friends can see the music I like”.

**Delete Account:** “As a user, I want to be able to delete my account so that I can delete my records from this site”.

* Integration 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.

II.II Out Scope

We will not be testing any NOT FUNCTIONAL requirement.

1. Test Objective

Our objective is as simple and clear as everyone on the team must know: to search for any possible defect within the features we received and assure the quality by bringing confidence to the product.

1. Test Types

Due to our short period for delivery obtained and after an exhausting review of our testing features demanded, the team considered these as the proper test types we will be applying and executing, following our reliable **Model-Based Strategy**.

**Component Integration Test:** Test the interactions and interfaces between integrated components.

**Where**: Basically, in all the features demanded.

**API Testing:** a software testing practice that tests the APIs directly — from their functionality, reliability, and performance.

**Where:** Specifically in the Integration Features demanded, focusing primarily on the **GETs**.

… and all of them are led by **Functional Testing**.

Next, we will define our entry and exit criteria:

* **Entry Criteria**: Selenium IDE for Automated Testing Scripts, information gathered from musixmatch API, and done test cases.
* **Exit Criteria**: Tests executed, and coverage achieved.

1. Resource Planning

In the following statements, we will determine and assign properly each of our resources for the required tasks.

* Testers planned for the assignment: 1
* Tools needed: PC, internet, automated framework, Postman, music API.
* Budget: Sadly, we do not have a budget authorized for the test.
* Time for completion: 24 hours.

1. Test Deliverables

We have a defined list of deliverables asked for, ordered by stage:

* Before testing: Test Plan, Test Cases.
* During testing: Automated scripts.
* After testing: Test Results