enroute

TEST PLAN

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Introduction:

A new company is developing a set of products to share the music people like across the world. The company plans to gather the information from musicxmatch through their API and by testing a series of web site features.

The following plan will outline the testing activities needed to gather the information required by the company.

Objectives:

Generate a test strategy to complete the required tasks.

Gather information through test results.

Deliver the information to the company so that they can interpret it and make us of it.

Requirements:

Create a testing automation script to assert that the following features are integrated successfully in Musicxmatch web site:

- 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”

Gather data by using Musicxmatch’s official API. The information needed is:

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

Deliverables:

- The testing automation script (
- The log data generated by the test script (.log file).
- The information gathered through HTTP requests to Musicxmatch’s official API (.json files).
- Test findings
- Test summary report.

Test Strategy

To test the web site features, Selenium IDE chrome extension will be used for functional testing. This tool allows the generation of an automation script by recording macros, so that the test can be replicated and a log file with the results can be generated. The web browser used for this test will be Google Chrome.

For the data gathering through Musicxmatch’s official API, the program used will be Postman, an application that allows the testing of APIs, to gather the information through HTTP requests and logging the information to json files.

The test results will be reported through a test matrix structured like the following table, depending on the test requirements:

Test ID	Summary	Steps	Expected result	Actual result	File	Status

Where:

Test Id is an identifying name for the test cases.
Summary is a brief description of the test case.
Steps is a list of every action realized to complete the test.
Expected result is a statement of what should happen when the test case is run.
Actual result is a description of what happened when the test was executed.
File is the output file generated after the test activity where the information is stored.
Status is an indicator of whether the test passed (PASS) or failed (FAIL) according to the actual result and the test requirements.

Each requirement needs to have at least one test case.

The report will also have the basic information of the tools used: Operating system, Browser and testing tool versions, as well as the dates when the test where executed.

Schedule and estimation:

The test activities are scheduled to be created and executed on May 20, 2022; the results will be generated on the same day.

Document version control:

Responsible party	Description	Date	Version
Gerardo Partida Guzmán	Document created	20/05/2022	1.0