PROJECT - QA Exercise

**Test Plan**

**Introduction:**

Musixmatch is a powerful tool for obtaining information about users' musical tastes from all over the world. At Musixmatch we can get the most listened to artists, songs, and albums across the globe. Even share your music taste with others. It allows you to filter the information to learn more about which artists or music category have listened to more in each country. Given this information, a new company plans to use the APIs to develop new products.

**Test Objective:**

|  |  |
| --- | --- |
| **Task** | **Test** |
| 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 |

**IN-Scope:**

The scope of this project is limited to the testing of the website and integration features described in the succeeding section of this document.

Automation, functional testing, and external interfaces are in scope and need to be tested. Only web services will be tested.

**Test Strategy:**

Our main objective in this test is to verify the functionality of the Musicxmatch API and the website.

What will be the type of testing?

Integration Test; for the frontend, it is necessary to test the interaction of the modules working together

* The testing tool for the Integration Test will be Selenium.
* [**https://www.musixmatch.com/**](https://www.musixmatch.com/)

API Testing; we will use an API to get and gather information and show it to the user.

* We will be using Postman to request information from the API of Musixmatch.
* [**https://developer.musixmatch.com/**](https://developer.musixmatch.com/)

Entry Criteria:

* A test plan is created
* Test strategy is created
* The software required is installed

Exit Criteria:

* All tests are passed

**Test Matrix**

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| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Description** | **Steps** | **Expected Result** | **Actual Result** | **Pass/Faild** |
| TC1 | *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* | 1. Go to homepage <https://www.musixmatch.com/> 2. Click on the button Sign In 3. Open the Sing in Page 4. Click on Sign Up 5. Open Sign-up page 6. Enter Name and Last name 7. Enter your Email and a valid password 8. Check the checkbox 9. Click on sing up | When I open up the home page, I must see the sign-in button, when I click on it I must be redirected to the sign-in page.  I should see the input to add my name, last name, password, and email.  When I fill in those inputs and click on sign up I must receive a confirmation email. | The page shows the button sign-in, and when I click on this button it redirects me to the sign-up page.  When I click on Sign up, it shows me the inputs that I must fulfill to receive the welcome email. | Pass |
| TC2 | *“As a user, I want to be able to log in to my account. So that I can access my profile ”* | 1. Go to homepage <https://www.musixmatch.com/> 2. Click on the button Sign In 3. Open the Sing in Page 4. When I enter to the sign in page and enter my email and password, I should redirect to the homepage with my profile log in | When I open up the home page, I must see the sign-in button, when I click on it I must be redirected to the sign-in page.  In the sign-in page I should be able to fulfill the input email and password and click on sign into login in my profile. | The page shows the button sig-in, and when I click on it the page redirects me to the sign-in page.  When I fulfill the inputs with the email and password and click on sign in it redirects me to the homepage with my profile login. | Pass |
| TC3 | *“As a user, I want to have the option to like songs. So that only my friends can see the music I like”* | 1. Go to homepage <https://www.musixmatch.com/> 2. Click on the button Sign In 3. Open the Sing in Page 4. When I enter to the sign in page and enter my email and password, I should redirect to the homepage with my profile log in 5. In the homepage, I click on the “Community” button. 6. In the community page I can search any song or artis like “The Killers - Human” 7. The song will show in best results and must be selected. 8. Then in the page of the song in the bottom of the lyrics section I can added as favorite in a button with the shape of a Heart. 9. Other accounts added as friends should see my favorite songs. | When I open up the home page, I must see the sign-in button, when I click on it I must be redirected to the sign-in page.  In the sign-in page I should be able to fulfill the input email and password and click on sign into login in my profile.  On the main page, I should see de “Community” button and when I click on It, I must be redirected to the community page.  On the community page in search bar, I can type “The Killers – Humans” and wait for the result.  Then in the result I must see the song Human from the Killers, when I click on it I should be redirected to the Lyrics of the song.  Finally in the bottom of the section of the lyrics I can click on a button with the shape of a Heart to added it as favorite.  My friends should see the songs that I Like. | The page shows the button sig-in, and when I click on it the page redirects me to the sign-in page.  When I fulfill the inputs with the email and password and click on sign in it redirects me to the homepage with my profile login.  On the main page I type on the search bar the song Human from the Killers and shows up the best result with the song on it.  When I click on the name of the song it redirects me to the page of the song with the lyrics on it, and in the bottom of the page I can click on the button with the shape of a heart to added it as favorite.  There is no section where I can add friends. | Fail |
| TC4 | *“As a user, I want to be able to delete my account. So that I can delete my records from this site”* | 1. Go to homepage <https://www.musixmatch.com/> 2. Click on the button Sign In 3. Open the Sing in Page 4. When I enter to the sign in page and enter my email and password, I should redirect to the homepage with my profile log in 5. Go to the profile with the button with circle shape on the navbar that is on the top right corner, this button has a drop list with “Profile” and “Sign out”, select Profile. 6. In the profile page click on the button “Edit Profile” to pop out a modal with the configuration of the account. 7. In the bottom of the section click on “Delete My Account”. 8. A message would display “Are you sure you want to delete your account?” and click on the button “Delete” | When I open up the home page, I must see the sign-in button, when I click on it I must be redirected to the sign-in page.  In the sign-in page I should be able to fulfill the input email and password and click on sign into login in my profile.  On the main page I should see on the navbar on the top right corner a button with a circle shape that is a drop list with “Profile” and “Sign out” sections. When I click Profile, it should redirect me to the profile page.  On the profile page there is a button with the text “Edit Profile”, when I click on it a modal should pop out with a section to edit my profile.  On the bottom of the modal, I should see the text “Delete My Account” and it will display a message “Are you sure you want to delete your account?”  When I click “Delete” my account should be deleted. | The page shows the button sig-in, and when I click on it the page redirects me to the sign-in page.  When I fulfill the inputs with the email and password and click on sign in it redirects me to the homepage with my profile login.  On the main page I can see a button with circle shape and when I click on it a drop list is display with “Profile” and “Sing out” section.  When I click Profile it redirects me to the Profile page.  On the Profile page, there is a button with the text “Edit my profile”. When I click on it, a modal pop out with the configuration of the profile.  In the bottom of the modal I can see the text “Delete My Account” when I click on it, a message is display “Are you sure you want to delete your account?”.  When I click delete, my information is deleted. | Pass |

Web Browser: “Chrome Version 101.0.4951.64 (Official Build) (arm64)”

API TEST

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| --- | --- | --- | --- | --- | --- |
| ATC5 | GET the top 10 artists in Mexico | Open Postman.  Use the query  chart.artists.get?page=1&page\_size=10&country | Get the top 10 artists in Mexico | I can see the top 10 artists | Pass |
| ATC6 | GET the artist information of the top 3 in Mexico | Open Postman.  Use the query  chart.artists.get?page=1&page\_size=3&country=mx | Get the artists information of the top 3 in Mexico | I can see the information of the 3 top Mexico artists | Pass |
| ATC7 | GET the albums of the last 5 artists from the top 10 | Open Postman.  Use the query  chart.artists.get?page=1&page\_size=5&country=  And query  artist.albums.get?artist\_id="id\_artists" | Get the albums of the last 5 artists from the world | I can see the albums of the artists. | Pass |

**Test Roles:**

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| --- | --- | --- |
| **Roles** | **Name** | **Contact** |
| Project Manager | Oscar Aguilar Aguila Isaias | [oscar.aguilar@enroutesystems.com](mailto:oscar.aguilar@enroutesystems.com) |
| Tester | Sergio Mijares Menchaca | [sergio.mijares@enroutesystems.com](mailto:sergio.mijares@enroutesystems.com) |