

Spotify Signup – Manual Testing Project

Project Description

This project focuses on manually testing the Spotify user signup flow to ensure proper form validation, error handling, and overall user experience. The goal is to identify functional defects, usability issues, and validation gaps that could impact account creation and first-time user onboarding.

Objectives

- Verify that the signup form functions correctly with valid and invalid user inputs
- Ensure required fields enforce proper validation rules
- Confirm appropriate error messages are displayed for invalid scenarios
- Validate age restrictions and password requirements
- Assess basic UI behavior and usability during signup

Scope of Testing

In Scope:

- Email and confirm email validation
- Password length and complexity validation
- Required field enforcement
- Date of birth and age restriction checks
- Form submission behavior
- Error message visibility and clarity
- Show/Hide password UI behavior

- Successful signup redirect behavior

Out of Scope:

- Backend database validation
- Email verification delivery
- Payment or subscription functionality
- Logged-in user features

Test Types Performed

- Functional Testing
- Negative Testing
- Boundary Testing
- Exploratory Testing
- UI Testing

Test Environment

- **Platform:** Web
- **Browser:** Google Chrome
- **Operating System:** Windows
- **Device Type:** Desktop

Tools Used

- Google Chrome
- Chrome DevTools
- Google Docs (test documentation)
- GitHub (portfolio version control)

Test Deliverables

- Manual test cases covering positive and negative signup scenarios
- Documented expected results for each test case
- Test case execution status (Pass/Fail)
- Summary of testing coverage and findings

Assumptions & Notes

- Testing was performed using publicly accessible functionality on the Spotify signup page
- Test email addresses used were non-production and created for testing purposes only
- This project represents a learning and portfolio exercise and does not imply affiliation with Spotify

Test Case ID	Title	Preconditions	Test Steps	Expected Results	Status
TC-SPOT-001	Valid Sign up Form Data	User is on Spotify Sign Up page	<ol style="list-style-type: none">1.) Navigate to https://www.spotify.com/signup2.) Enter a valid email address3.) Enter a valid password following requirements4.) Enter Profile Name5.) Select Valid birth month6.) Enter valid day7.) Enter valid year8.) Select Gender9.) Click “Sign-Up” button	User's taken to the next step of account creation/account is created.	Pass
TC-SPOT-002	Invalid email format	User is on Spotify Sign Up page	<ol style="list-style-type: none">1.) Navigate to https://www.spotify.com/signup2.) Enter an invalid email	An error message appears informing the user that the email is invalid.	Pass

			3.) Attempt to move to next field/Sign Up		
TC-SPOT-003	Password too short	User is on Spotify Sign Up page	1.) Navigate to https://www.spotify.com/signup 2.) Enter valid email 3.) Enter password shorter than password requirements 4.) Attempt to move to next field/Sign Up	An error message appears informing the user that the password is too short.	Pass
TC-SPOT-004	Required Fields Validation	User is on Spotify Sign Up page	1.) Navigate to https://www.spotify.com/signup 2.) Enter valid email 3.) Enter valid password 4.) Leave one or more fields empty (ex: profile name, DOB, Gender) 5.) Attempt to move to next field/Sign Up	An error message appears informing user that a field is invalid/not completed	Pass
TC-SPOT-005	Invalid Birth Date	User is on Spotify Sign Up page	1.) Navigate to https://www.spotify.com/signup 2.) Enter valid email, password, profile name 3.) Enter DOB value younger than 13 years old 4.) Attempt to move to next field/Sign Up	An error message appears informing the user that the user's age is too young.	Pass
TC-SPOT-006	Password missing required complexity	User is on Spotify Sign Up page	1.) Navigate to https://www.spotify.com/signup 2.) Enter valid email 3.) Enter password with missing	An error message appears informing user that password is missing complexity: Not enough characters,	Pass

			<p>special characters(complexity)</p> <p>4.) Attempt to move to next field/Sign Up</p>	no number or special characters	
TC-SPOT-007	Password Privacy button is functional	User is on Spotify Sign Up page	<p>1.) Navigate to https://www.spotify.com/signup</p> <p>2.) Enter valid email</p> <p>3.) Enter valid password</p> <p>4.) Click the “show password” button (eyeball)</p> <p>5.) Observe password field</p> <p>6.) Click button(eyeball) again</p>	<p>When eyeball is present, the password characters are shown.</p> <p>When eyeball is crossed out, password is hidden.</p>	Pass
TC-SPOT-008	Existing email/Account already exists	User is on Spotify Sign Up page	<p>1.) Navigate to https://www.spotify.com/signup</p> <p>2.) Enters a valid email that already exists</p> <p>3.) Attempt to move to next field/Sign Up</p>	An error message appears informing the user that the email entered already exists.	Pass
TC-SPOT-009	Successful redirect after Sign Up	User is on Spotify Sign Up page	<p>1.) Navigate to https://www.spotify.com/signup</p> <p>2.) Enter valid email</p> <p>3.) Enter valid password</p> <p>4.) Enter valid profile name</p> <p>5.) Select valid birth month</p> <p>6.) Enter valid birth day and year</p> <p>7.) Select Gender</p> <p>8.) By clicking “Sign-Up”, user agrees to terms and conditions</p>	User is redirected back to Spotify homepage to login in with credentials	Pass

Test Summary

Overview

Manual testing was performed on the Spotify signup page to validate form behavior, input validation, and user experience during account creation. Testing focused on both positive and negative scenarios to ensure the application handles valid input correctly and prevents invalid or incomplete submissions. All test cases passed, indicating that the signup flow behaved as expected for the tested scenarios.

Test Execution Summary

Metric	Count
Total Test Cases	9
Executed	9
Passed	9
Failed	0
Blocked	0

Test Coverage Breakdown

Test Type	Count
Positive Tests	2
Negative Tests	7
Functional Tests	9
UI Tests	1
Boundary Tests	2

Key Findings

- Form validation correctly prevents submission when required fields are missing or invalid

- Clear error messaging is displayed for most invalid input scenarios
- Age restriction logic successfully blocks underage users
- Password validation enforces minimum requirements
- No critical defects preventing form submission were identified

Risks & Observations

- Signup success is dependent on proper client-side validation; any changes to validation rules should be regression tested
- Edge cases such as uncommon email formats or rapid repeated submissions may require additional testing

Recommendations

- Perform regression testing after any updates to signup validation logic
- Expand test coverage to include mobile browsers and different screen sizes
- Add accessibility testing (keyboard navigation, screen reader compatibility)

Bug Reports

No defects were identified during testing of the Spotify signup flow.

Quality Observations / Improvement Opportunities

Issue Type

Enhancement / Usability Improvement

Title

Missing email confirmation field may allow users to register with incorrect email address

Description

During testing of the Spotify signup flow, it was observed that the application validates email format but does not require users to confirm their email address. As a result, users may unintentionally enter an incorrect but valid email address and still progress through the signup process.

Environment

- Platform: Web
- Browser: Google Chrome
- OS: Windows
- URL: <https://www.spotify.com/signup>

Steps to Reproduce

1. Navigate to the Spotify signup page
2. Enter a valid email format that is typed incorrectly
3. Complete the remaining signup fields correctly
4. Proceed to the next step of account creation

Expected Result

Users should be prompted to confirm their email address to reduce the risk of account creation with an incorrect email.

Actual Result

The application allows users to proceed without confirming their email address as long as the email format is valid.

Impact / Risk

- Users may register accounts using incorrect email addresses
- Verification or recovery emails may not reach the user
- Increased likelihood of account access issues and support requests

Recommendation

Consider adding a **Confirm Email** field during signup to reduce user error and improve account reliability.

-The following observation is documented as a usability and quality improvement opportunity and does not represent a functional defect.