

Test Report



Issue Record

Version	Date	Notes
0.1	3/6/21	Added type of tests done and results
0.2	19/6/21	Updated results for updated tests and sonarqube screenshot

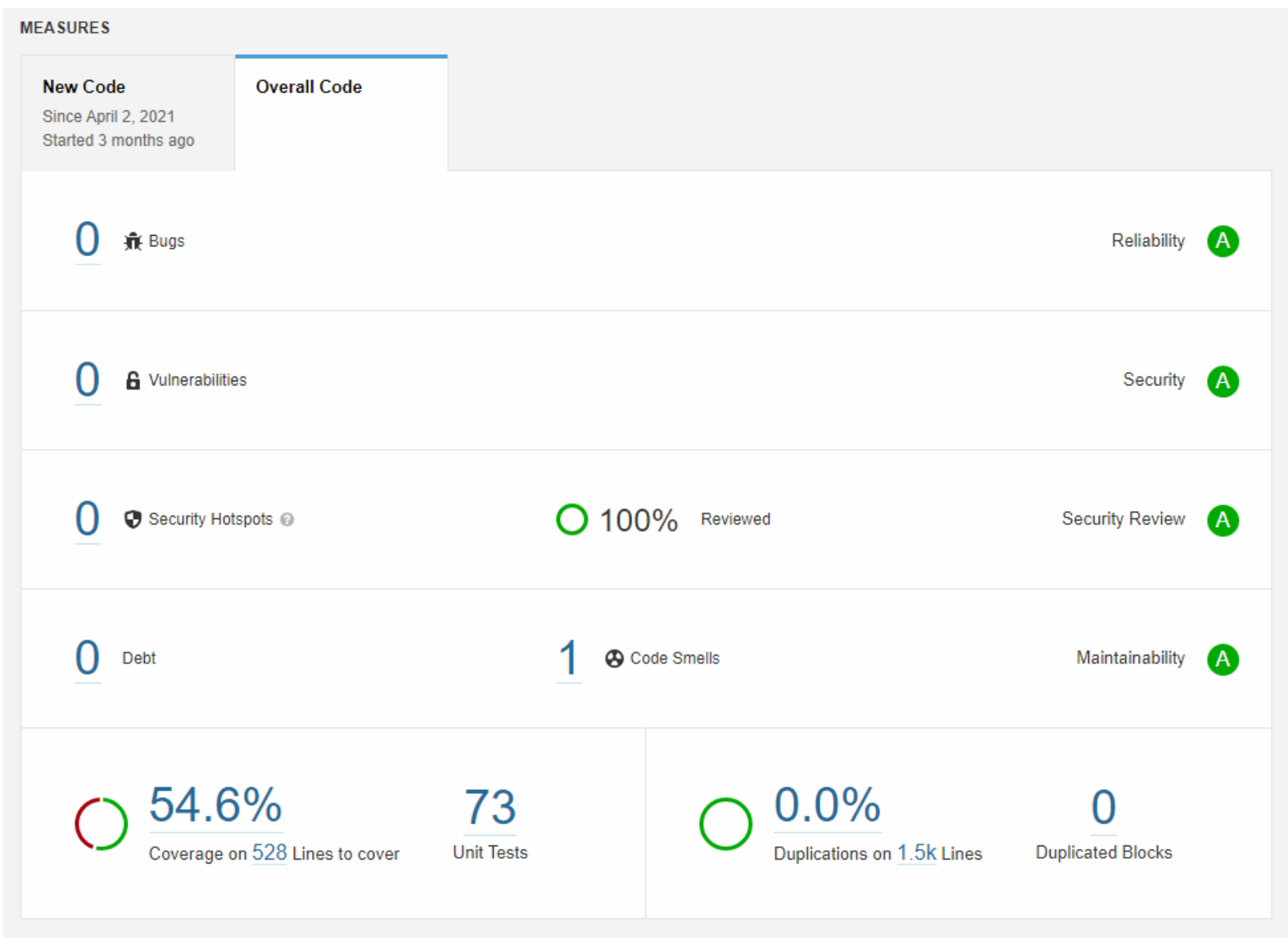
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What tests were completed and how?

For this project, a static code analysis was run with every push, along with unit tests and e2e tests for each user acceptance test and the results of those tests are detailed in this document.

Static Code Analysis Report



The image above shows the sonarqube report, with 0 active bugs, vulnerabilities or security hotspots.

src/.../com/songify/api/servicetests/RoleServiceTests.java

☐

Refactor the code of the lambda to have only one invocation possibly throwing a runtime exception. Why is this an issue?

4 days ago ▾ L82 🔗 🔍 ▾

Code Smell ▾ Major ▾ Open ▾ Not assigned ▾ [Comment](#)

junit, tests ▾

1 of 1 shown

In the above image the code smell seen in the first image is shown. The code smell occurs because of a unit test where I expect an exception to be thrown, but due to the way the test is written it is possible for different exceptions to be thrown than the one expected in the assertion.

Unit Test Report

73 Unit tests were made and in the image below the coverage for the service layer is shown. The coverage was calculated by a test report generation tool called JaCoCo.

Coverage **89.8%**

	Coverage	Uncovered Lines	Uncovered Conditions
src/main/java/com/songify/api/service/impl/SpotifyServiceImpl.java	57.6%	9	5
src/main/java/com/songify/api/service/impl/FriendsServiceImpl.java	76.5%	4	–
src/main/java/com/songify/api/service/impl/UserServiceImpl.java	95.3%	0	2
src/main/java/com/songify/api/service/impl/ChatMessageServiceImpl.java	95.7%	0	1
src/main/java/com/songify/api/service/impl/AuthenticationUserDetailServiceImpl.java	100%	0	0
src/main/java/com/songify/api/service/impl/AuthServiceImpl.java	100%	0	–
src/main/java/com/songify/api/service/impl/ChatRoomServiceImpl.java	100%	0	0
src/main/java/com/songify/api/service/impl/PlaylistServiceImpl.java	100%	0	0
src/main/java/com/songify/api/service/impl/RoleServiceImpl.java	100%	0	–
src/main/java/com/songify/api/service/impl/SongServiceImpl.java	100%	0	–

The coverage is currently 89.9% due to methods inside of the SpotifyService and FriendsService that I can't test such as calling the Spotify Api.

e2e/ User Acceptance Tests Report

For this project I wrote user acceptance tests and have implemented/executed these tests with Cypress as end-to-end tests. In the following screenshots you can see a list of all the user acceptance tests numbered 1 to 10, the names that describe what the test checks and underneath each step the test takes. The green ticks indicate that the step was successful.

▼ UAT-1: Login

- ✓ it focuses the input
- ✓ fills in username
- ✓ fills in password
- ✓ submits form
- ✓ is redirected

▼ UAT-2: Playlist Creation

- ✓ deletes old playlist to prevent duplicate
- ✓ go to create playlist page
- ✓ submits create playlist form
- ✓ redirects to newly made playlist

▼ UAT-3: Duplicate Playlist Creation

- ✓ go to create playlist page
- ✓ submits create playlist form with the same inputs
- ✓ does not redirect

▼ UAT-4: Adding song to playlist

- ✓ go to songs page
- ✓ adds the first song

▼ UAT-5: Adding duplicate song

- ✓ go to songs page
- ✓ adds the first song
- ✓ doesn't add the song

UAT-6: Admin login

logs out
logs in as an admin

UAT-7: User redirect when accessing admin page

logs out
logs in as a user and visits admin page
goes to admin only page
is redirected

UAT-8 Search for specific user playlists

goes to browse playlists page
searches for a specific user

UAT-9 Search for user playlists that doesnt exist

goes to browse playlists page
searches for a specific user

UAT-10 Accepting friend request

goes to the profile page
accepts the first friend request
verifies that the request is gone