

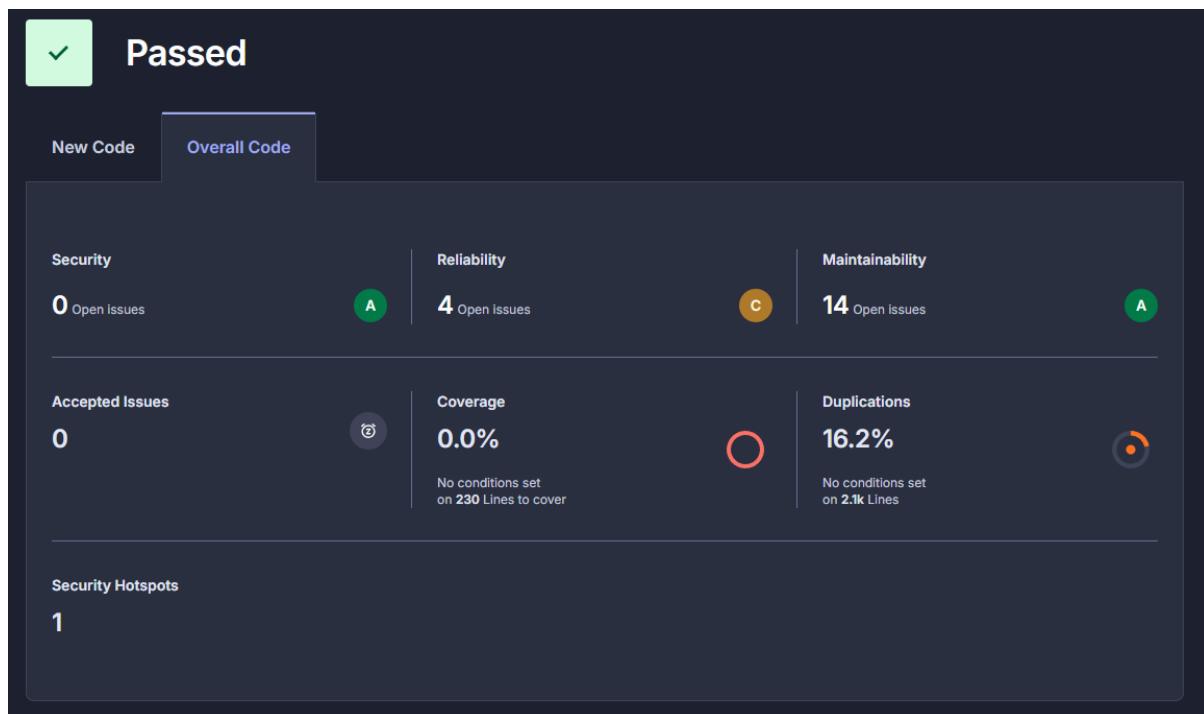
Sprint 6 Report

Mikko Varis, Teemu Erkkilä & Wissam Al-dabbagh

Database localization

We decided to implement a simple FAQ page and an API endpoint to fetch the FAQ information for the chosen language. The translated content is stored in the database with a unique identifier to group all translations of the same message.

Frontend code review and refactoring



Reliability issues

The issues come from tailwind rules that aren't understood by SonarQube cloud's default quality profile, which can't be changed without a paid subscription. And missing alt text's.

Maintainability issues

Mostly just low- and some medium priority quality issues. Low priority issues include redundant React fragments and consistency/portability improvements. Medium priority issues include a minor performance issue and a code smell regarding variable scope within a switch statement.

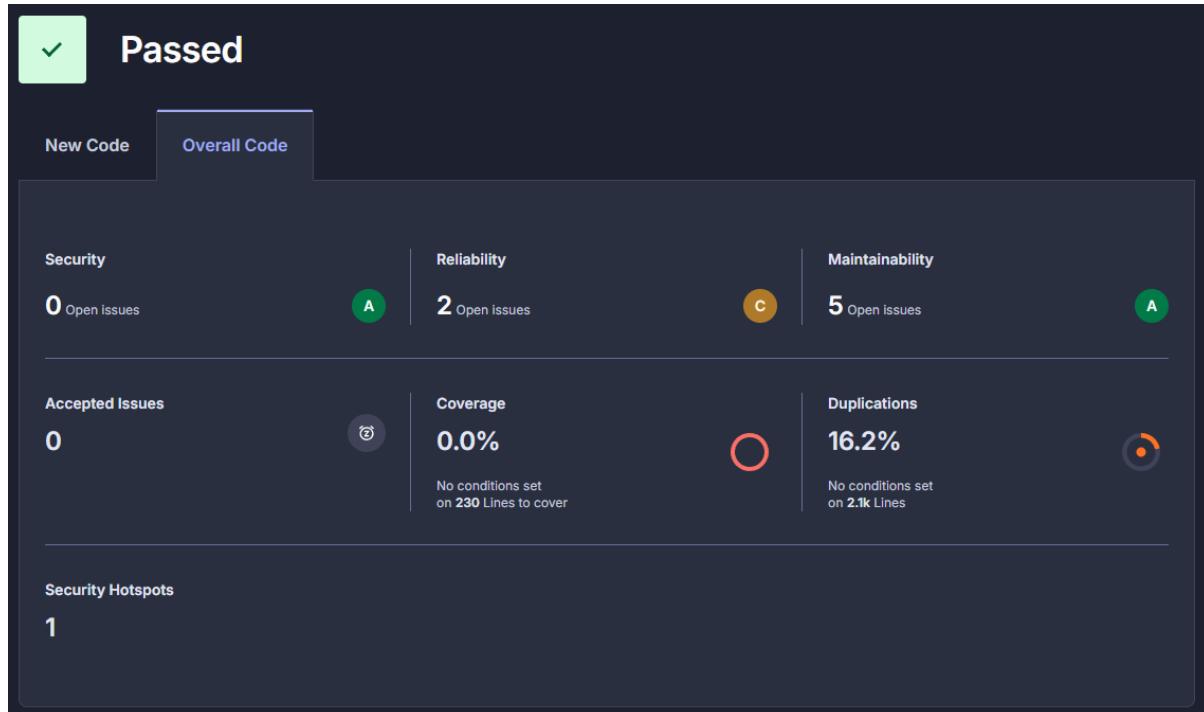
Coverage issues

This is redundant since the uncovered lines are composed of API data that is tested on the backend or just statements that return JSX components.

Code duplication issues

The only code duplication is the login and register pages are similar. This could be fixed by creating a single page layout for both pages.

Refactoring summary

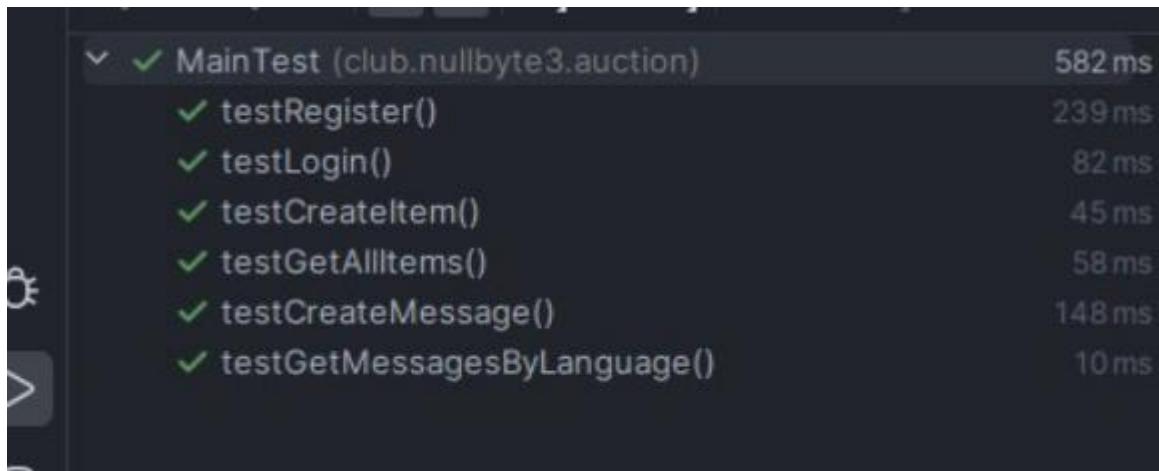


All the reliability and maintainability issues left are from auto generated files.

Backend code review and refactoring

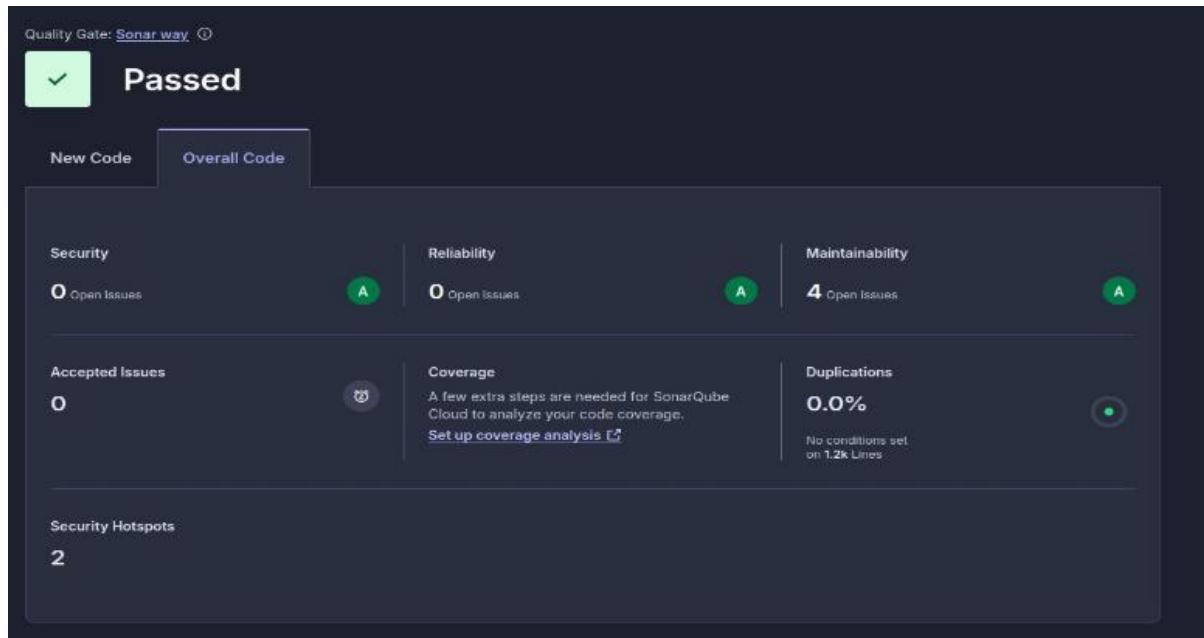
Maintainability issues

There were a couple as we've forgotten to remove some old imports and using like System.out.println instead of using a logger, however, I just switched them and there are now just 4 issues which are mostly comments and duplicated strings for the managers.



I wrote a new test for our new endpoint to create a message and get messages, and it seems to pass.

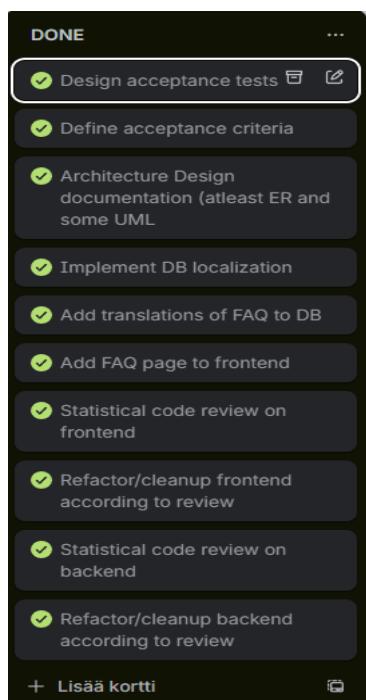
Refactoring summary



Everything seems to be fine, reduced amount of issues from 16 to just 4.

Sprint summary

Trello



Contributions

Team member name	Assigned tasks	Time spent (hrs)
Mikko Varis	<ul style="list-style-type: none">- Add SonarQube to frontend- Display new localized FAQ data fetched from the backend- Write plan and summary of frontend refactoring	6
Teemu Erkkilä	<ul style="list-style-type: none">- Plan various acceptance tests- Document architecture design	6
Wissam Al-dabbagh	<ul style="list-style-type: none">- Add SonarQube to backend- Implement database localization for FAQ page- Write plan and summary of backend refactoring	6