

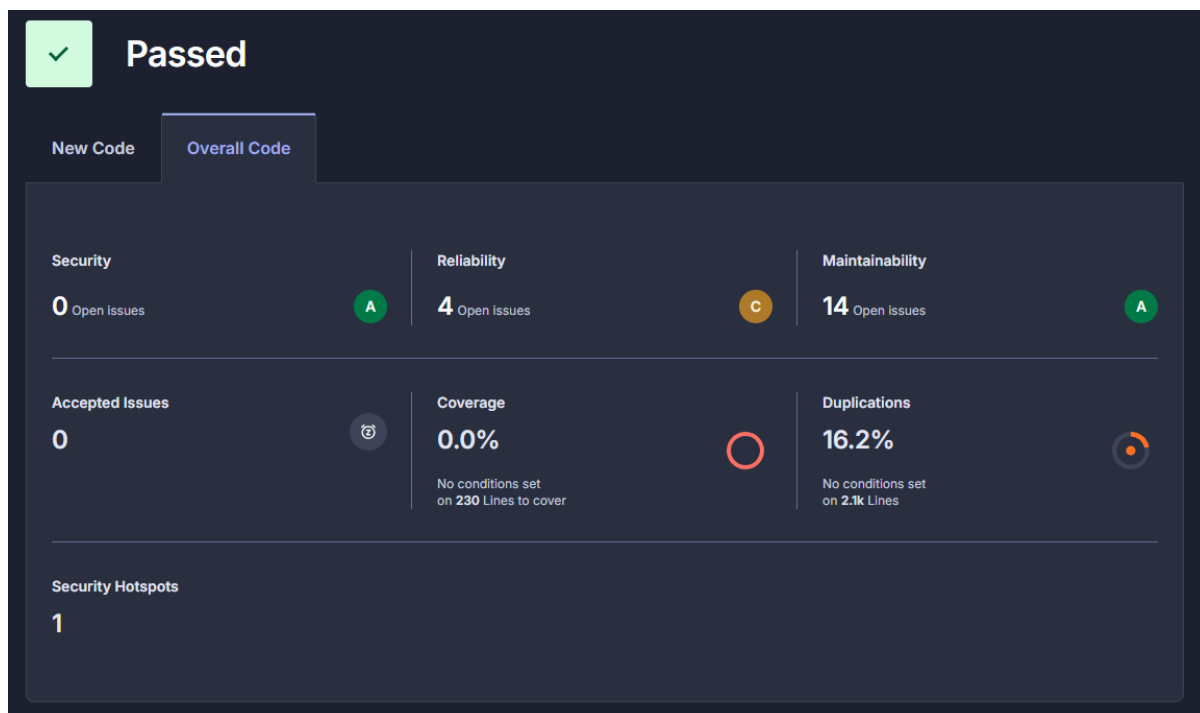
# Sprint 6 Report

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## 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.

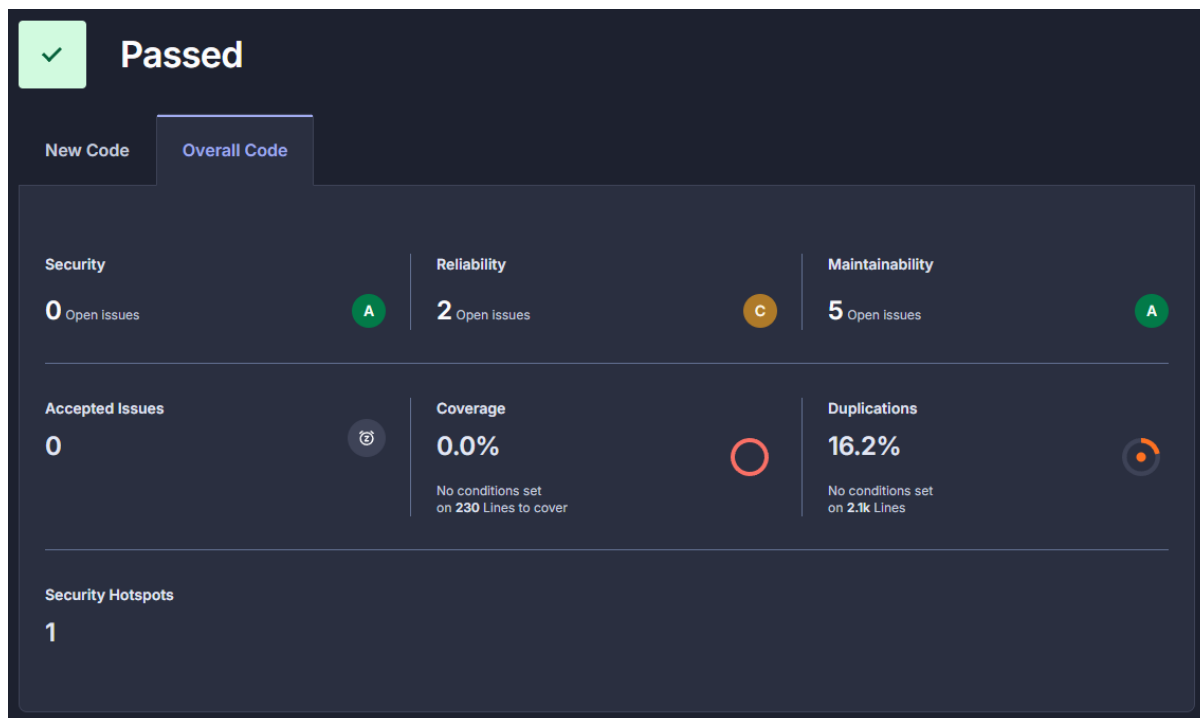
### Coverage issues

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

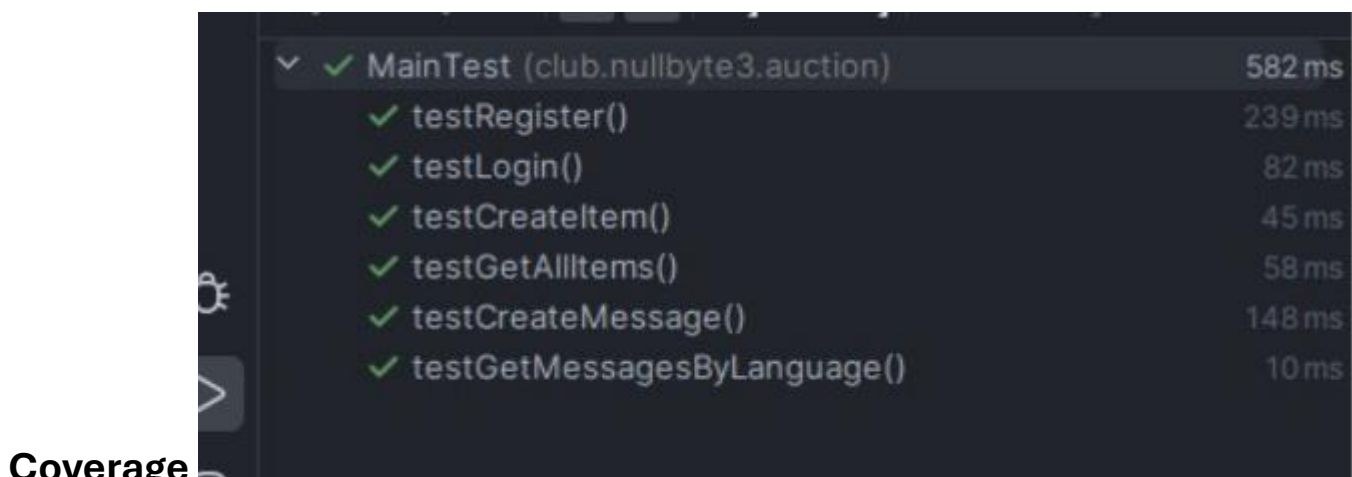


All the reliability and maintainability issues left are from auto generated files.

## Backend code review and refactoring

### Maintainability issues

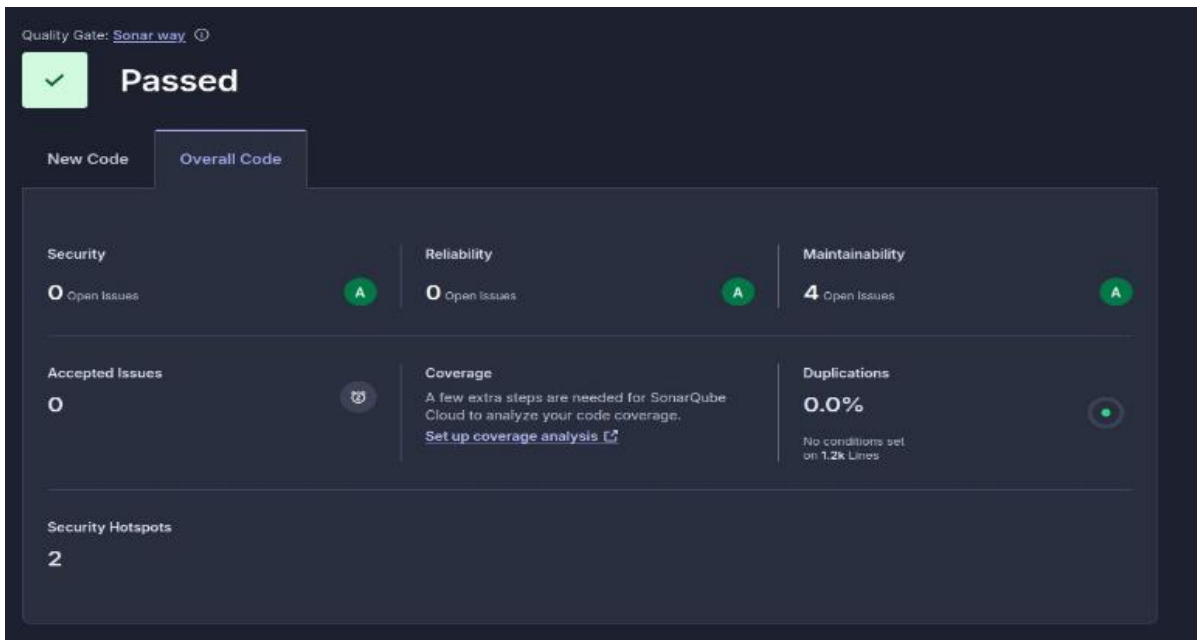
There were a couple as we've forgotten to remove some old imports and using like `System.out.println` instead of using a logger, however, I just switched them and there are now just 4 issues which are mostly comments and duplicated strings for the managers.



### Coverage

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

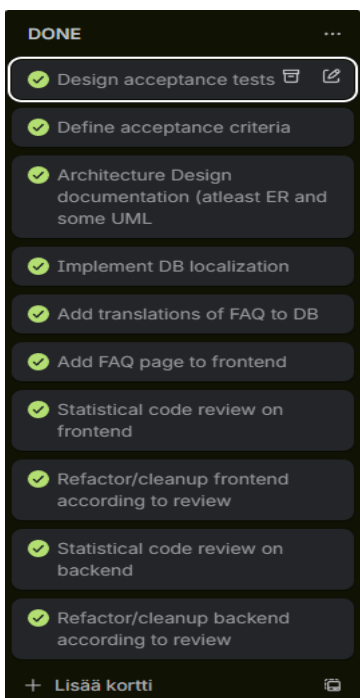
# Refactoring summary



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"><li>- Add SonarQube to frontend</li><li>- Display new localized FAQ data fetched from the backend</li><li>- Write plan and summary of frontend refactoring</li></ul>	6
Teemu Erkkilä	<ul style="list-style-type: none"><li>- Plan various acceptance tests</li><li>- Document architecture design</li></ul>	6
Wissam Al-dabbagh	<ul style="list-style-type: none"><li>- Add SonarQube to backend</li><li>- Implement database localization for FAQ page</li><li>- Write plan and summary of backend refactoring</li></ul>	6