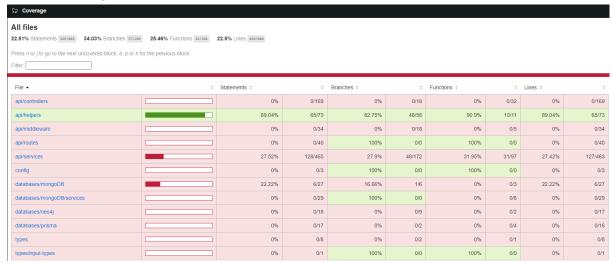
We used Vitest for its fast testing capabilities. It allowed us to observe our code coverage which enabled us to find where to focus our efforts.

Overall coverage report



This shows how much coverage of our statements, branches and functions we've covered. In this example, we can see that most of our helpers function is tested and passing - This is the code where in our validation logic and helper functions lies.

Specific coverage of api/helpers



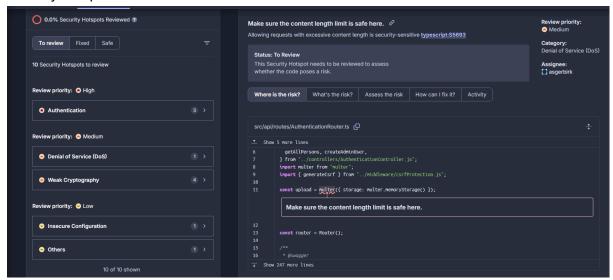
For this we have 89% coverage of statements and lines, which is 65 out of 73. For the branches (paths) we have 82.75% coverage which is 48 out of 58. And for functions we have 90% coverage, which is 10 out of 11.

By having a coverage report, it gives us a clear overview of the code that hasn't been tested. Therefore we focus on writing the uni tests for areas with low coverage. Seeing the branches that were covered helped us a lot with adjusting our tests.

For static testing tools, we used SonarQube to analyze our code for bugs, vulnerabilities and code smells.

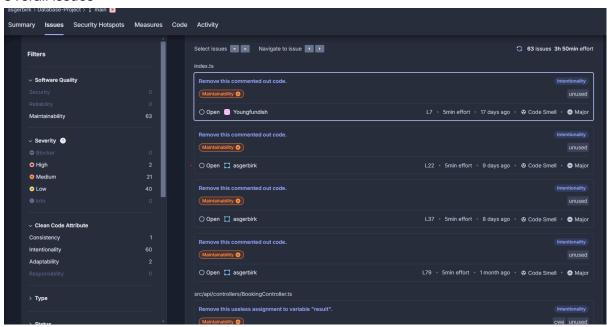
It'll help us catch issues early and make us optimize our code.

Security hotspots



Security hotspots of different priorities \rightarrow high, medium and low. Helps identify the risks and lets us fix potential vulnerabilities.

Overall issues



Defined by severities → high, medium and low.

Also shows which code attributes are connected to the issues.

These are consistency, intentionality and adaptability.

There are 60 intentionality issues, which is mainly about unused imports and commented code. This helps us clean up our codebase.

