

Code Review Report Sprint 6

Spot-Bugs, PMD

Clean up summary of the cleanup pull-request, done by sourcery-ai.

Owner ...

samuelms123 commented now • edited by sourcery-ai bot

Summary by Sourcery

Refactor codebase to improve code quality by removing debug prints, enforcing proper logging and exception handling, standardizing naming conventions, and converting utility classes to final non-instantiable patterns

Enhancements:

- Remove debug printns and replace them with java.util.logging or exceptions for invalid cases
- Convert utility classes (ImageUtils, Paths, MariaDbJpaConnection) to final with private constructors and enforce null checks
- Introduce java.util.logging (and SLF4J where appropriate) in DAO classes, replacing System.err outputs
- Rename methods to follow camelCase conventions and simplify repeated SessionManager calls by caching user references
- Remove unused fields and dead code in controllers and services

Sonar-Scanner

First sonar-scanner iteration:

Last analysis: 3 days ago - 2.6k Lines of Code - Java, CSS, ...

Security	Reliability	Maintainability	Hotspots Reviewed	Coverage	Duplications
A 0	C 13	A 124	E 0.0%	O 0.0%	G 0.9%

Replaced exceptions with proper logs with Logger.

```
21
22     public DecodedJWT authMe(String token) {
23         try {
24             Algorithm algorithm = Algorithm.HMAC256(Config.JWT_SECRET);
25             JWTVerifier verifier = JWT.require(algorithm)
26                 .build();
27             return verifier.verify(token);
28         } catch (Exception e) {
29             e.printStackTrace();
30
31             Make sure this debug feature is deactivated before delivering the code in production.
32
33             return null;
34         }
35     }
```

Sonar-Scanner only validates web-CSS, so it doesn't recognize JavaFX css pseudo-classes.

The screenshot shows the SonarQube interface with a sidebar on the left listing 13 issues. The main panel displays a specific issue: "Unexpected unknown pseudo-class selector ":focused"". The issue details include a link to "css:S4659", affected line L106, and an introduction one month ago. It has three status dropdowns: "Open", "Not assigned", and "No tags". Below this are tabs for "Where is the issue?", "Why is this an issue?", and "Activity". The code editor shows a file named "src/main/resources/css/style.css" with lines 101 to 106. Lines 105 and 106 contain the problematic ".feed:focused" and ".feed.list-cell.list-view:focused" selectors, which are underlined in red. The right side of the interface shows software qualities impacted by the issue, including Reliability (Medium), and a "Code attribute" section indicating "Intentionality | Not logical".

Issue solved by ignoring all .css files in **sonar-project.properties**

```
8 sonar.exclusions=**/*.css
```

After some code cleanups:



- Fixed some tests which were messed up because of UI localization.
- Removed some code duplications.
- Added proper exception handling.
- Added JavaFX CSS exclusion to sonar-project.properties.
- Remove unused variables.
- Remove commented unused code blocks.
- Removed redundant variables before returns.
- Remove curly braces from 1-liners