

Static Code Review Summary

1. Overview of Results

The Checkstyle analysis reported many warnings across several files. Most issues were related to formatting, naming, and missing documentation. These do not break functionality, but they affect readability and maintainability.

Main Metrics:

- Total warnings: Several hundred
- Most common issue: Incorrect indentation
- Naming issues: Many fields use snake_case
- Missing Javadoc: Many methods lack documentation
- Other issues: Long lines, operator placement

2. Key Findings

Formatting Problems:

A large number of warnings were caused by inconsistent indentation and operator placement.

Naming Conventions:

Variables like "user_id" and "start_time" should use camelCase (e.g., "userId").

Missing Documentation:

Several methods and classes lack Javadoc comments.

Structural Issues:

Some methods are disorganized or exceed recommended line lengths.

3. Recommendations

High Priority:

- Use an automatic formatter.
- Fix variable names to camelCase.
- Add Javadoc to key methods.

Medium Priority:

- Shorten long lines.
- Group overloaded methods together.

Low Priority:

- Minor cleanup of constructors and method ordering.