sonar

RULES

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Java static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVA code

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Search by name...

Code Smell

Unit tests should throw exceptions

Code Smell

Test methods should comply with a naming convention

Code Smell

Value-based objects should not be serialized

Code Smell

Default annotation parameter values should not be passed as arguments

Code Smell

Method parameters should be declared with base types

Code Smell

Fields should not be initialized to default values

Code Smell

Multiple loops over the same set should be combined

Code Smell

Classes without "public" constructors should be "final"

Code Smell

Unnecessary semicolons should be omitted

Code Smell

Literal boolean values and nulls should not be used in assertions

Code Smell

Test assertions should include messages

Code Smell

Mutable members should not be

"Object.wait(...)" should never be called on objects that implement "java.util.concurrent.locks.Condition"

Analyze your code

Code Smell

Major

suspicious

From the Java API documentation:

Condition factors out the Object monitor methods (wait, notify and notifyAll) into distinct objects to give the effect of having multiple wait-sets per object, by combining them with the use of arbitrary Lock implementations. Where a Lock replaces the use of synchronized methods and statements, a Condition replaces the use of the Object monitor methods.

The purpose of implementing the Condition interface is to gain access to its more nuanced await methods. Therefore, calling the method Object.wait(...) on a class implementing the Condition interface is silly and confusing.

Noncompliant Code Example

```
final Lock lock = new ReentrantLock();
final Condition notFull = lock.newCondition();
...
notFull.wait();
```

Compliant Solution

```
final Lock lock = new ReentrantLock();
final Condition notFull = lock.newCondition();
...
notFull.await();
```

Available In:

sonarlint

sonarcloud





sonarqube

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https://rules.sonarsource.com/java/RSPEC-1844

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<div>mutable members should not be stored or returned directly</div> <div> Code Smell</div>
<div>Redundant modifiers should not be used</div> <div> Code Smell</div>
<div>"private" and "final" methods that don't access instance data should be "static"</div> <div> Code Smell</div>
<div>Files should not be empty</div> <div> Code Smell</div>
<div>Collection methods with O(n)</div>