

# Repository Report

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- 📦 Repository: kanatools-java
- 📷 Snapshot: 17-Aug-2023 10:45
- 🕒 Date: 17-Aug-2023 16:42
- 🏷️ Label: master
- 🔍 Embold Version: 1.9.17.0

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# 1. Executive Summary

The Embold rating is a numeric representation of the quality of software code, ranging from -5.0 (worst) to +5.0 (best). See the Appendix section for a more in-depth breakdown or read more about ratings online at <https://docs.embold.io/embold-score/#embold-rating-system>

3.31

kanatools-java  
17-Aug-2023 10:45

Total LOC

996

710 executable

Components

3

Hotspots

0

0 affected executable LOC

4.84

Design  
Component-Level Issues

Medium 2

View All Issues

0.88

Metrics  
Critical Metrics Violations

Number Of Methods 2

Complexity 1

View All Issues

5.00

Duplication  
Overview

No Duplication Issues Found.

5.00

Code Issues  
Code Issues

No Code Issues Found.

Rating Scale



## 2. Metrics

The Embold rating is a numeric representation of the quality of software code, ranging from -5.0 (worst) to +5.0 (best). See the Appendix section for a more in-depth breakdown or read more about ratings online at <https://docs.embold.io/embold-score/#embold-rating-system>

0.88

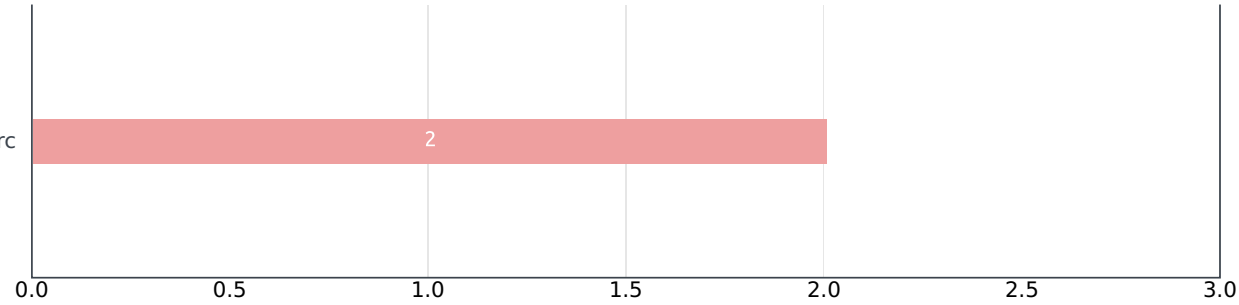
Metrics

Name	Description	Value
Number Of Public Methods	Reflects the number of public methods declared in a class	3
Number Of Methods	The number of methods (NOM) is the total number of methods (or functions) in a component (or class) or file. High NOM indicates a high complexity of the class.	2
Complexity	Cyclomatic Complexity (CC) is a measure of the program's complexity achieved by measuring the number of linearly independent paths through a program's source code. This measure needs to be applied to sections of source like methods of each class. Presence of IF-ELSE statements or SWITCH statements and FOR loops increases the number of paths in a method. The number of linearly independent paths also means the minimum number of paths that should be tested. The more paths, the higher the number of test cases that need to be implemented. McCabe's method is used to calculate CC.	1

### 3. Worst Components

Component	Overall rating
KanaConverter (com.mariten.kanatools.KanaConverter)	3.02
KanaAppraiser (com.mariten.kanatools.KanaAppraiser)	4.12
SampleKanaConverter (SampleKanaConverter)	4.88

## 4. Component-Level Design Issues



Name	Description	Criticality	Value
<div><div></div>Fat Interface</div>	This anti-pattern applies to modules / classes which have a large interface with too many exposed functions/ methods	Medium	2

Reference Link: <https://docs.embold.io/anti-patterns/>

## 5. Appendix

### Understanding the Embold Rating

The Embold rating is a numeric representation of the quality of software code, ranging from -5.0 (worst) to +5.0 (best). See the diagram below for further interpretation

- 4.0 or Greater** Indicates good system quality.
- 2.0 - 4.0** Indicates overall good health, with some localised issues to be cautious of.
- 1.0 - 2.0** Indicates some issues, usually localised to specific hotspots.
- 0.0 - 1.0** Indicates major issues across multiple hotspots.
- 5.0 - 0.0** Indicates severe, system-wide issues.

Read more about ratings [here](#).

### Helpful Resources (Online)

Topic	URL
Embold Reference Guide	<a href="https://docs.embold.io/">https://docs.embold.io/</a>