



stockindexescient
1.0

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1. stockindexescient

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

1.1. Report Overview

Static Analysis

Lines of code

424

6 packages

12 classes

23 methods

9.6% duplicated lines

Comments

4.1%

18 comment lines

Complexity

3.8

7.3 /class

87 decision points

Dynamic Analysis

Code Coverage

31.2%

9 tests

Test Success

100.0%

0 failures

0 errors

Coding Rules Violations

Rules Compliance

62.3%



Violations

57



1.2. Violations Analysis

Most violated rules	
Exception handlers should provide some context and preserve the original exception	5
Throwable.printStackTrace(...) should never be called	3
if/else/for/while/do statements should always use curly braces	21
Insufficient branch coverage by unit tests	6
Avoid too complex method	3

Most violated files	
IndexValue	11
IndexValueld	11
Index	8
JMSController	8
YahooFinanceService	6

Most complex files	
IndexValue	20
IndexValueld	20
YahooFinanceService	17
Index	14
JMSController	6

Most duplicated files	
IndexValue	29
IndexValueld	28

1.3. Violations Details

Rule	Exception handlers should provide some context and preserve the original exception	
File	Line	
YahooFinanceService	86, 51	
JMSController	44, 50, 58	

Rule	Throwable.printStackTrace(...) should never be called	
File	Line	
JMSController	51, 45, 59	

Rule	if/else/for/while/do statements should always use curly braces	
File	Line	
Index	37, 43, 41, 33, 35	
IndexValue	83, 72, 80, 74, 78, 85, 70	

IndexValueld	49, 43, 52, 47, 41, 54, 39
User	80
YahooFinanceService	40

Rule	Insufficient branch coverage by unit tests	
File	Line	
User	N/A	
IndexValueld	N/A	
IndexValue	N/A	
Index	N/A	
TestMDB	N/A	
JMSCController	N/A	

Rule	Avoid too complex method	
File	Line	
IndexValueld	38	
IndexValue	69	
Index	32	

Rule	Duplicated blocks	
File	Line	
IndexValueld	N/A	
IndexValue	N/A	

Rule	Utility classes should not have a public constructor	
File	Line	
YahooFinanceService	26	

Rule	Generic exceptions Error, RuntimeException, Throwable and Exception should never be thrown	
File	Line	
TestMDB	30	



Rule	Assignments should not be made from within sub-expressions	
File	Line	
YahooFinanceService	98	

Rule	System.out and System.err should not be used as loggers	
File	Line	
TestMDB	26	