Deloitte.

TestJava

version 1.0-SNAPSHOT

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1. TestJava 1
1.1. Report Overview 1
1.2. Violations Analysis 2
1.3. Violations Details 3
1.4. Violations Per Class 4
1.5. Rule Violations By Class 4

1. TestJava

This chapter presents an overview of the project mesaures. 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

Project Code Review Status

Code Compliance

Percentage

-30%

Rules Compliance

GREEN - Above 90%

ORANGE - 70% to 90%

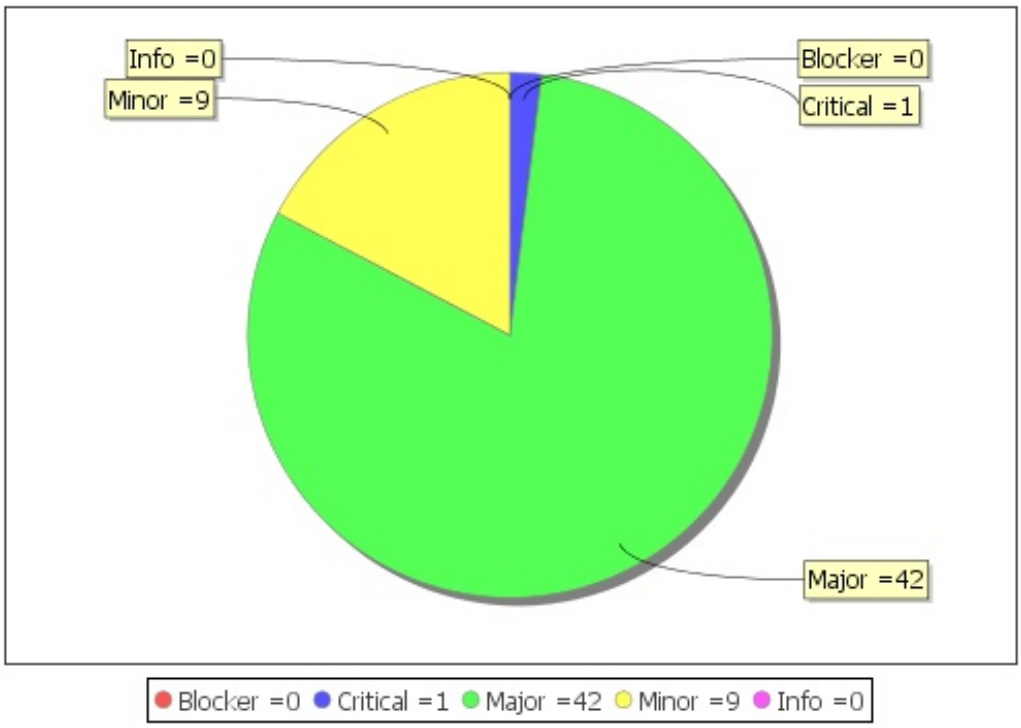
RED - Less Than 70%

Code Compliance Formula

Coding Rules Violations

Violations		
52	Blocker	0
	Critical	1
	Major	42
	Minor	9
	Info	0

Defect Analysis



Static Analysis

Lines of code	Classes
108	**6**
127 lines	2 directories
70 statements	6 methods
4 files	

Comments(%)	Duplications(%)	Technical Debt
0.0	**39.4**	**9 hour 55**
0 lines	50 lines	**Minutes**
	2 blocks	Time required to fix
	2 files	the issues

Code Compliance Formula

%Compliance = 100 - (weighted_violations / Lines of code * 100)
weighted_violations is the sum of the violations weighted (whereas the default values for blocker - 10, critical - 5, Major - 3, minor - 1, info - 0) by the coefficient associated to each priority.

Take the example of any project.

Blocker 8
Critical 28
Major 361
Minor 1,012
Info 2,761

weighted_violations = (8*10+28*5+361*3+1012*1+2761*0) = 2315
LOC= 15879
%Compliance = 100 - (2315/15879 * 100) = 85.4

1.2. Violations Analysis

Most violated files	
src/main/sample.java	46
src/Example/Example2/ComplexMethod.java	2
src/main/ComplexMethod.java	2
src/Example/Example2/HelloWorld.java	2

Most complex files	
src/Example/Example2/ComplexMethod.java	8
src/main/ComplexMethod.java	8
src/main/sample.java	3
src/Example/Example2/HelloWorld.java	1

Most duplicate files	
src/Example/Example2/ComplexMethod.java	25
src/main/ComplexMethod.java	25

Most violated rules		
String literals should not be duplicated	1	CRITICAL
Source files should not have any duplicated blocks	2	MAJOR
Standard outputs should not be used directly to log anything	40	MAJOR
The default unnamed package should not be used	4	MINOR
Abstract classes without fields should be converted to interfaces	2	MINOR
Class names should comply with a naming convention	3	MINOR

1.3. Violations Details

Rule	The default unnamed package should not be used
Severity	MINOR

File	Line
src/Example/Example2/ComplexMethod.java	N/A
src/Example/Example2/HelloWorld.java	N/A
src/main/ComplexMethod.java	N/A
src/main/sample.java	N/A

Rule	Abstract classes without fields should be converted to interfaces
Severity	MINOR

File	Line
src/main/sample.java	22, 43

Rule	Source files should not have any duplicated blocks
Severity	MAJOR

File	Line
src/Example/Example2/ComplexMethod.java	N/A
src/main/ComplexMethod.java	N/A

Rule	Class names should comply with a naming convention	
Severity	MINOR	
File		Line
src/main/sample.java		1, 22, 43

Rule	Standard outputs should not be used directly to log anything	
Severity	MAJOR	
File		Line
src/Example/Example2/HelloWorld.java		4
src/main/sample.java		4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 46, 47, 48, 49, 50, 51, 53, 54, 55, 56, 57, 58, 59

Rule	String literals should not be duplicated	
Severity	CRITICAL	
File		Line
src/main/sample.java		4

1.4. Violations Per Class

Violations Per Class	
TestJava:src/Example/Example2/ComplexMethod.java	2
TestJava:src/Example/Example2/HelloWorld.java	2
TestJava:src/main/ComplexMethod.java	2
TestJava:src/main/sample.java	5

1.5. Rule Violations By Class

TestJava:src/Example/Example2/ComplexMethod.java		
The default unnamed package should not be used	null	MINOR
Source files should not have any duplicated blocks	null	MAJOR

TestJava:src/Example/Example2/HelloWorld.java		
The default unnamed package should not be used	null	MINOR
Standard outputs should not be used directly to log anything	4	MAJOR

TestJava:src/main/ComplexMethod.java		
The default unnamed package should not be used	null	MINOR
Source files should not have any duplicated blocks	null	MAJOR

TestJava:src/main/sample.java		
The default unnamed package should not be used	null	MINOR
Abstract classes without fields should be converted to interfaces	22, 43	MINOR
Class names should comply with a naming convention	1, 22, 43	MINOR
Standard outputs should not be used directly to log anything	4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 46, 47, 48, 49, 50, 51, 53, 54, 55, 56, 57, 58, 59	MAJOR
String literals should not be duplicated	4	CRITICAL