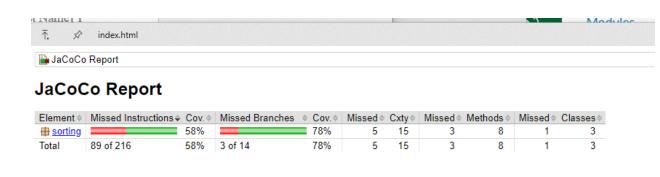
Noah Caulfield

Dr. Essa Imhmed

CS 472

4/14/2024

PA:04





Sessions

This coverage report is based on execution data from the following sessions:



Execution data for the following classes is considered in this report:

Class	ld
	3b062d0858b0962d
	0334d2b5a2e7a23c
	d442017b9571597c
	fad0ea4da73e67e2
⊕ org.apache.tools.ant.Project	1c82017521bf4f53
⊕ org.apache.tools.ant.taskdefs.condition.Os	396be4ca2b51728b
⊕ org.apache.tools.ant.taskdefs.optional.junit.BaseTest	fd7672f4c1dd6a73
→ org.apache.tools.ant.taskdefs.optional.junit.CustomJUnit4TestAdapterCache	aabb996050e6e7fa
→ org.apache.tools.ant.taskdefs.optional.junit.CustomJUnit4TestAdapterCache.1	4fa2235387680bd9
⊕ org.apache.tools.ant.taskdefs.optional.junit.FormatterElement	95c03a85eb32073e
⊕ org.apache.tools.ant.taskdefs.optional.junit.lgnoredTestResult	9891ebf5180eb2eb
⊕ org.apache.tools.ant.taskdefs.optional.junit.JUnitTest	741648c026e841d7
⊕ org.apache.tools.ant.taskdefs.optional.junit.JUnitTestRunner	06f4e92485b19799
⊕ org.apache.tools.ant.taskdefs.optional.junit.JUnitTestRunner.2	c38a67a26d261ec3
⊕ org.apache.tools.ant.taskdefs.optional.junit.JUnitTestRunner.3	d90ec3bd37f66114
⊕ org.apache.tools.ant.taskdefs.optional.junit.JUnitVersionHelper	32f82c689b27a8aa
⊕ org.apache.tools.ant.taskdefs.optional.junit.SummaryJUnitResultFormatter	2e5cec0381cb919e
⊕ org.apache.tools.ant.taskdefs.optional.junit.TestListenerWrapper	202255b407065136
⊕ org.apache.tools.ant.util.FileUtils	63e9e6690641a06e
⊕ org.apache.tools.ant.util.KeepAliveOutputStream	d2935a1c632dc377
⊕ org.junit.Assert	eda6db924019425b
⊕ org.junit.internal.Checks	5f543b0bb87b92da
⊕ org.junit.internal.ComparisonCriteria	eb4930662485358d
⊕ org.junit.internal.ComparisonCriteria.1	078c309755193425
⊕ org.junit.internal.ExactComparisonCriteria	b46e382b993e25ce
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For the code's instruction coverage, currently at 58%, this indicates that just over half of the code has been included in test scenarios. While this marks a fair beginning, there is certainly potential to expand upon this. Optimal coverage would typically reach between 80-90%, though this can vary based on the project specifics.

As for branch coverage, the code achieves a strong 78% rate. This metric is essential, as it demonstrates the extent to which the tests explore different logical routes within the code's conditional statements. The code's complexity has some areas that remain untested, as indicated by the missed complexity metric. It would be a good idea to revisit the testing strategy in the future and integrate additional test cases that navigate through the more complex aspects of the code. With some methods and an entire class not yet covered by tests, the code requires further test development to ensure these areas are also verified for correctness.