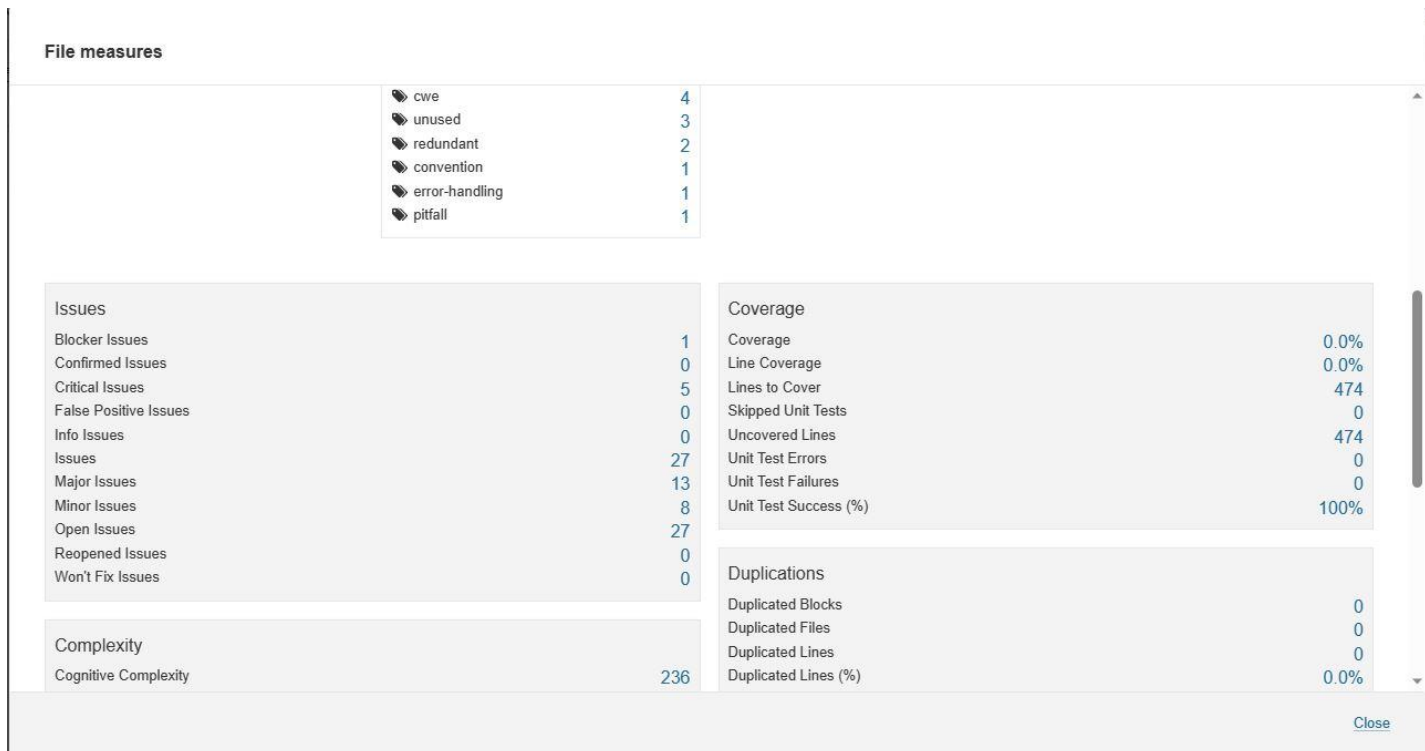
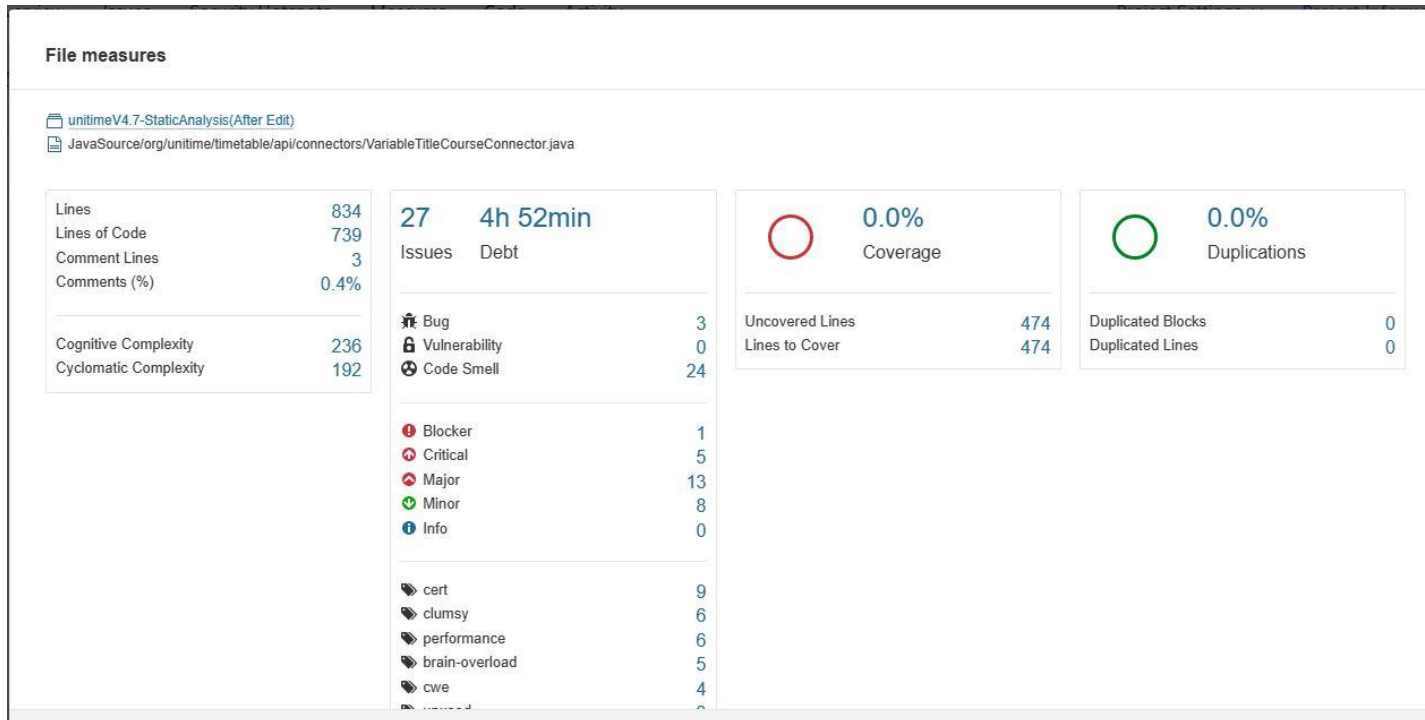


Bug And Code Smells fixes

After Edit In the Code according to test analisize Sonar qube:



File measures				
Complexity			Duplicated Blocks	0
Cognitive Complexity	236		Duplicated Files	0
Cyclomatic Complexity	192		Duplicated Lines	0
			Duplicated Lines (%)	0.0%
Size			Maintainability	
Classes	2		Code Smells	24
Comment Lines	3		Effort to Reach Maintainability Rating A	0
Comments (%)	0.4%		Maintainability Rating	A
Files	1		Technical Debt	4h 52min
Functions	54		Technical Debt Ratio	1.3%
Generated Lines	0		Reliability	
Generated Lines of Code	0		Bugs	3
Lines	834		Reliability Rating	C
Lines of Code	739		Reliability Remediation Effort	25min
Statements	406		Security	
Security Review			Security Rating	A
Security Hotspots	1		Security Remediation Effort	0
Security Hotspots Reviewed	0.0%		Vulnerabilities	0
Security Review Rating	E			

Before Edit In the Code according to test analisize Sonar qube:

File measures				
			unused	3
			redundant	2
			convention	1
			error-handling	1
			pitfall	1
			serialization	1
Issues			Duplications	
Blocker Issues	1		Duplicated Blocks	0
Confirmed Issues	0		Duplicated Files	0
Critical Issues	5		Duplicated Lines	0
False Positive Issues	0		Duplicated Lines (%)	0.0%
Info Issues	0		Coverage	
Issues	31		Coverage	0.0%
Major Issues	15		Line Coverage	0.0%
Minor Issues	10		Lines to Cover	475
Open Issues	31		Skipped Unit Tests	0
Reopened Issues	0		Uncovered Lines	475
Won't Fix Issues	0		Unit Test Errors	0
Size			Unit Test Failures	0
Classes	2		Unit Test Success (%)	100%

File measures

unitimeV4.7-StaticAnalysis

JavaSource/org/unitime/timetable/api/connectors/VariableTitleCourseConnector.java

Lines 836
Lines of Code 741
Comment Lines 3
Comments (%) 0.4%

Cognitive Complexity 237
Cyclomatic Complexity 192

31 4h 59min

Issues Debt

🐛 Bug 5
🔒 Vulnerability 0
⚠️ Code Smell 26

🚫 Blocker 1
🔴 Critical 5
🔴 Major 15
🟢 Minor 10
📘 Info 0

🐞 cert 11
🐞 clumsy 8
🐞 performance 6
🐞 brain-overload 5
🐞 cwe 5

0.0%
Coverage

Uncovered Lines 475
Lines to Cover 475

0.0%
Duplications

Duplicated Blocks 0
Duplicated Lines 0

Close

File measures

Classes 2
Comment Lines 3
Comments (%) 0.4%
Files 1
Functions 54
Generated Lines 0
Generated Lines of Code 0
Lines 836
Lines of Code 741
Statements 407

Reliability
🐛 Bugs 5
Reliability Rating C
Reliability Remediation Effort 45min

Security
Security Rating A
Security Remediation Effort 0
🔒 Vulnerabilities 0

Unit Test Success (%) 100%

Maintainability
⚠️ Code Smells 26
Effort to Reach Maintainability Rating A 0
Maintainability Rating A
Technical Debt 4h 59min
Technical Debt Ratio 1.3%

Complexity
Cognitive Complexity 237
Cyclomatic Complexity 192

Security Review
Security Hotspots 1
Security Hotspots Reviewed 0.0%
Security Review Rating E

Close

Over View Sonal Qube Analisize

<div>☆ unitimeV4.7-StaticAnalysis Passed</div> <div>Last analysis: 13 days ago</div>							Lines 543k XL Java, XML
<div>Bugs</div> <div>969 E</div>	<div>Vulnerabilities</div> <div>136 E</div>	<div>Hotspots Reviewed</div> <div>0.0% E</div>	<div>Code Smells</div> <div>51k A</div>	<div>Coverage</div> <div>0.0% </div>	<div>Duplications</div> <div>12.6% </div>		
<div>☆ unitimeV4.7-StaticAnalysis(After Edit) Passed</div> <div>Last analysis: 59 minutes ago</div>							Lines 543k XL Java, XML
<div>Bugs</div> <div>967 E</div>	<div>Vulnerabilities</div> <div>136 E</div>	<div>Hotspots Reviewed</div> <div>0.0% E</div>	<div>Code Smells</div> <div>51k A</div>	<div>Coverage</div> <div>0.0% </div>	<div>Duplications</div> <div>12.6% </div>		