

Software Engineering

Final project

Student's Name	Registration Number
Shahd Ismail	11923615
Tassneem Abu Alrob	11923952
Massa Issa	11923603

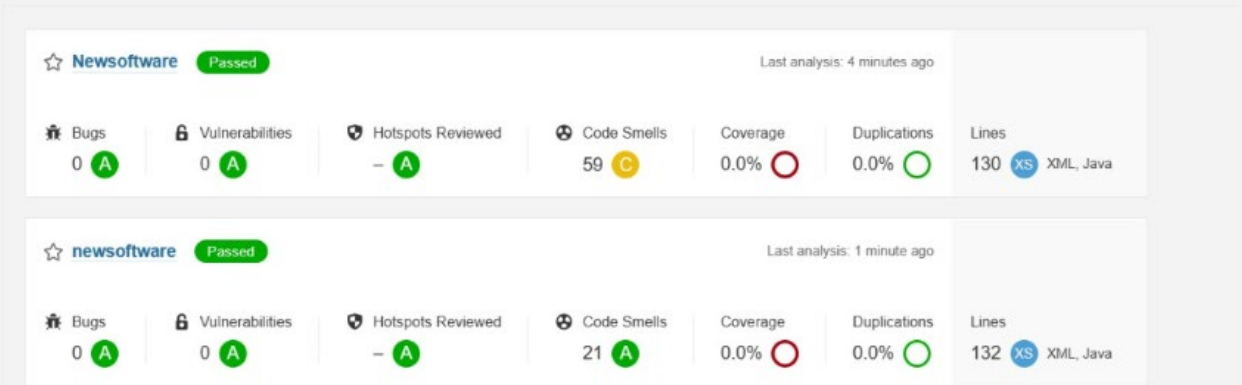
Tutorials of Jenkins CI

```
[INFO] BUILDING NEWSOFTWARE-0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ Newsoftware ---
[INFO] Deleting C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\target
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Newsoftware ---
[WARNING] Using platform encoding (Cp1256 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Newsoftware ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1256, i.e. build is platform dependent!
[INFO] Compiling 3 source files to C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Newsoftware ---
[WARNING] Using platform encoding (Cp1256 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Newsoftware ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1256, i.e. build is platform dependent!
[INFO] Compiling 12 source files to C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ Newsoftware ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
```

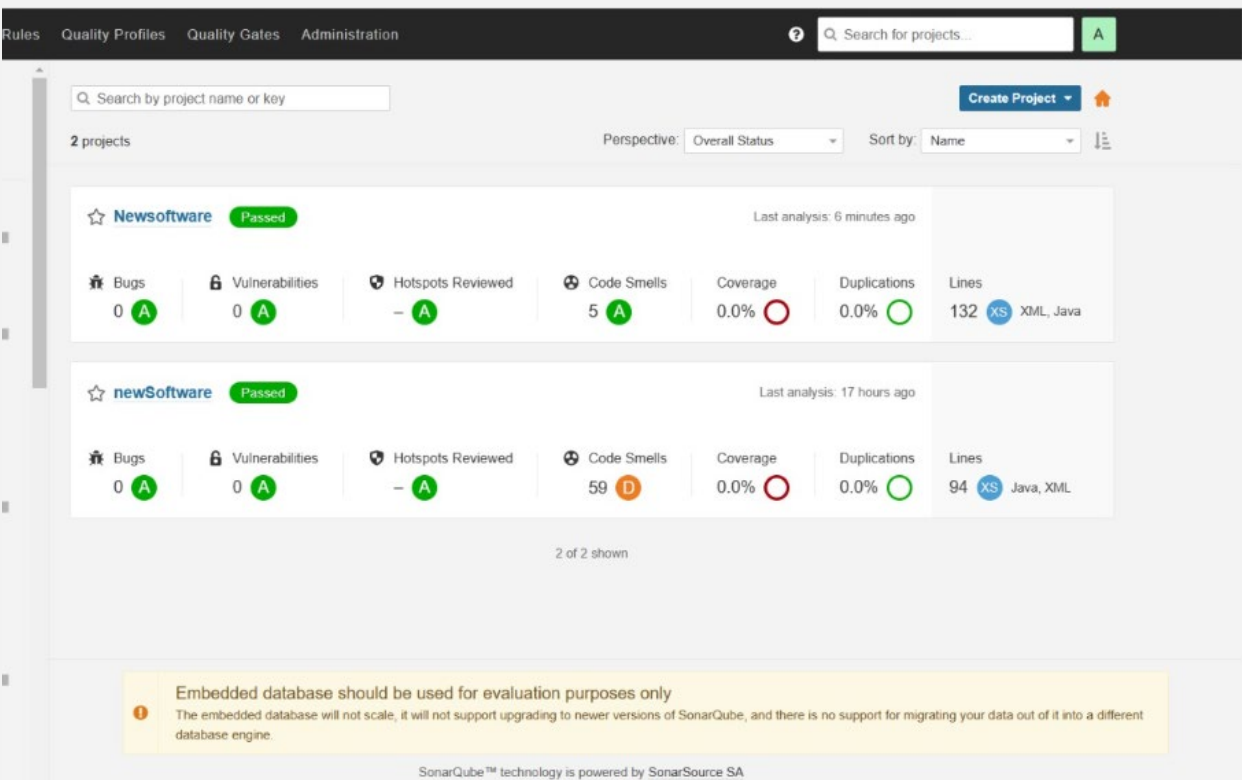
```
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ Newsoftware ---
[WARNING] Using platform encoding (Cp1256 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ Newsoftware ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ Newsoftware ---
[WARNING] Using platform encoding (Cp1256 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ Newsoftware ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.2:test (default-test) @ Newsoftware ---
[INFO] Skipping execution of surefire because it has already been run for this configuration
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Newsoftware ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ Newsoftware ---
[INFO] Installing C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\target\Newsoftware-0.0.1-SNAPSHOT.jar to
C:\WINDOWS\system32\config\systemprofile\.m2\repository\softwareclinc\Newsoftware\0.0.1-SNAPSHOT\Newsoftware-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\ProgramData\Jenkins\.jenkins\workspace\clincSoftware\pom.xml to
C:\WINDOWS\system32\config\systemprofile\.m2\repository\softwareclinc\Newsoftware\0.0.1-SNAPSHOT\Newsoftware-0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
```

Tutorials of Sonarqube:


Before refactoring:




After refactoring:




Jacoco Tutorial:



Build #9 (Dec 20, 2022, 12:39:14 AM)


[Keep this build forever](#)


[Add description](#)


Started 1* sec ago
 Took 17A sec


 No changes.


 Started by user [Tassneem AbuAlrob](#)


Revision: c76ea560bd3fdaf87f543f55714e0f0fd5edf6f8
Repository: <https://github.com/shahdism/SoftwareProject.git>

- refs/remotes/origin/master


Jacoco - Overall Coverage Summary

INSTRUCTION	100%	<div></div>
BRANCH	100%	<div></div>
COMPLEXITY	100%	<div></div>
LINE	100%	<div></div>
METHOD	100%	<div></div>
CLASS	100%	<div></div>



Coverage Summary

name	instruction	branch	complexity	line	method	class
clinic	M: 0 C: 95	M: 0 C: 4	M: 0 C: 10	M: 0 C: 26	M: 0 C: 8	M: 0 C: 3
	100% <div></div>	100% <div></div>	100% <div></div>	100% <div></div>	100% <div></div>	100% <div></div>

Coverage Breakdown by Source File

name	instruction	branch	complexity	line	method	class
Appointment	M: 0 C: 36 100% <div></div>	M: 0 C: 0 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 10 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 1 100% <div></div>
	M: 0 C: 32 100% <div></div>	M: 0 C: 4 100% <div></div>	M: 0 C: 6 100% <div></div>	M: 0 C: 10 100% <div></div>	M: 0 C: 4 100% <div></div>	M: 0 C: 1 100% <div></div>
MyClient	M: 0 C: 27 100% <div></div>	M: 0 C: 0 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 6 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 1 100% <div></div>
	M: 0 C: 27 100% <div></div>	M: 0 C: 0 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 6 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 1 100% <div></div>
MyServices	M: 0 C: 27 100% <div></div>	M: 0 C: 0 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 6 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 1 100% <div></div>
	M: 0 C: 27 100% <div></div>	M: 0 C: 0 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 6 100% <div></div>	M: 0 C: 2 100% <div></div>	M: 0 C: 1 100% <div></div>

UML class diagram:

