



Sonar Report

Presented by:

Juan David Cardona

Cristhian Moreno

Coach:

Juan Esteban Pineda

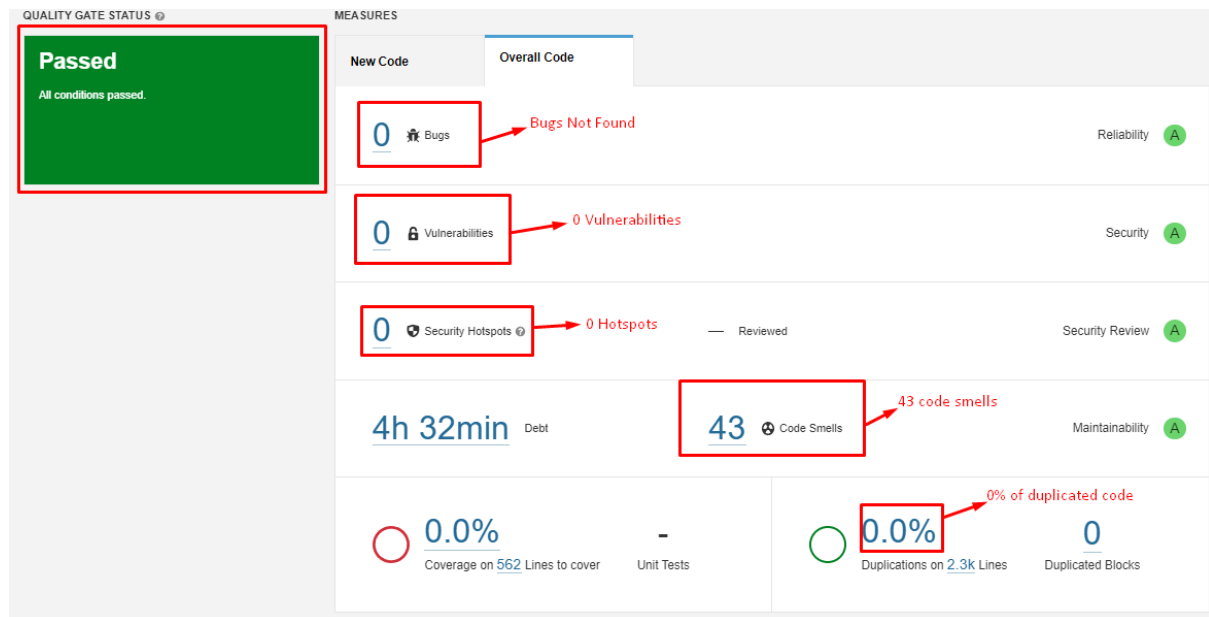
April 29, 2023

Sofka U

The scanning of the entire project containing the backend of the Apprentice Radar application developed in Java is done. We have the following image of the report that SonarQube makes on the project that consists of 2,300 lines of code.

The path to access the repository is the following:






<https://github.com/CITYLarry/C1-2023-CA-ApprenticeRadar>



Summary of the report:

Sonar did not find any bugs in the project, no vulnerabilities were found either, but a small percentage of stinky code was found which Sonar calculates that to resolve this debt the developer would have to spend 4 hours and 32 minutes which really does not mean such a large debt considering the amount of lines of code that covers this project.

Next, we observe the severity of the stinky code found which Sonar classifies 27 lines of stinky code as a Major severity that can negatively affect the development; there are also 16 elements classified as critical that could mean a big problem later on.

Severity			
 Blocker	0	 Minor	0
 Critical	16	 Info	0
 Major	27		

Most of the detected stinky code problems are some variables that are not used or that sonar does not recognize when they are being used. This doesn't really mean a serious problem but removing those things that are not being used will tidy up the code and avoid future problems.

<input type="checkbox"/>	Remove this unused "apprenticeId" private field. 	4 hours ago	L15			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "name" private field. 	4 hours ago	L16			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "email" private field. 	4 hours ago	L17			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "descriptorList" private field. 	4 hours ago	L19			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
 src/.../apprenticeradar/domain/model/Descriptor.java						
<input type="checkbox"/>	Remove this unused "knowledgeArea" private field. 	4 hours ago	L16			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "description" private field. 	4 hours ago	L17			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "factual" private field. 	4 hours ago	L19			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "conceptual" private field. 	4 hours ago	L20			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "procedural" private field. 	4 hours ago	L21			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "metacognitive" private field. 	4 hours ago	L22			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	
<input type="checkbox"/>	Remove this unused "approvalLevel" private field. 	4 hours ago	L23			
	 Code Smell  Major  Open  Not assigned 5min effort Comment				unused	

Recommendations:

It is recommended that the development team emphasize that stinky code classified as major and critical could become a major drawback in later stages of development.