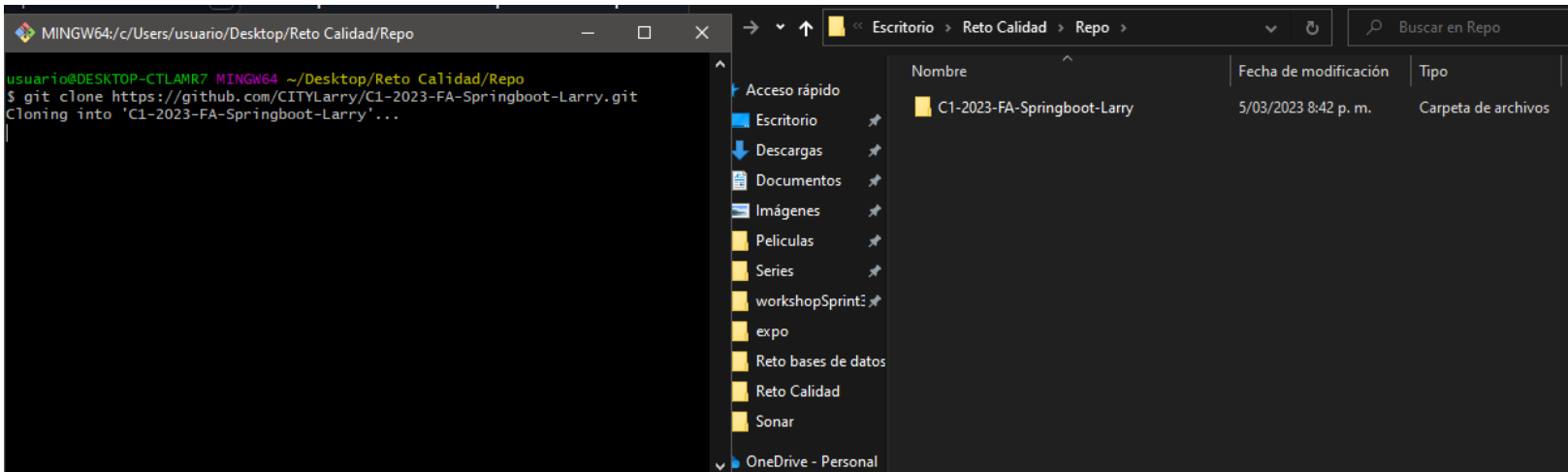


Reporte SonarQube

Para realizar las pruebas se seleccionó el siguiente repositorio:

<https://github.com/CITYLarry/C1-2023-FA-Springboot-Larry>

Inicialmente realizamos la clonación del repositorio e iniciamos SonarQube



```
usuario@DESKTOP-CTLAMR7 MINGW64 ~/Desktop/Reto Calidad/Repo
$ git clone https://github.com/CITYLarry/C1-2023-FA-Springboot-Larry.git
Cloning into 'C1-2023-FA-Springboot-Larry'...
```

```
C:\Windows\System32\cmd.exe - StartSonar.bat
sonarqube-9.9.0.65466\temp -XX:-OmitStackTraceInFastThrow --add-opens=java.base/java.util=ALL-UNNAMED --add-opens=java.base/
java.lang=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java.rmi/sun.rmi.transport=ALL-UNNAMED --add
-exports=java.base/jdk.internal.ref=ALL-UNNAMED --add-opens=java.base/java.nio=ALL-UNNAMED --add-opens=java.base/sun.nio
.ch=ALL-UNNAMED --add-opens=java.management/sun.management=ALL-UNNAMED --add-opens=jdk.management/com.sun.management.int
ernal=ALL-UNNAMED -Dcom.redhat.fips=false -Xmx512m -Xms128m -XX:+HeapDumpOnOutOfMemoryError -Dhttp.nonProxyHosts=localho
st[127.*][:1] -cp ./lib/sonar-application-9.9.0.65466.jar;C:\Sonar\sonarqube-9.9.0.65466\lib\jdbc\h2\h2-2.1.214.jar org
.sonar.server.app.WebServer C:\Sonar\sonarqube-9.9.0.65466\temp\sq-process6223799335449623246properties
WARNING: A terminally deprecated method in java.lang.System has been called
WARNING: System::setSecurityManager has been called by org.sonar.process.PluginSecurityManager (file:/C:/Sonar/sonarqube
-9.9.0.65466/lib/sonar-application-9.9.0.65466.jar)
WARNING: Please consider reporting this to the maintainers of org.sonar.process.PluginSecurityManager
WARNING: System::setSecurityManager will be removed in a future release
2023.03.05 20:46:14 INFO app[[o.s.a.SchedulerImpl] Process[web] is up
2023.03.05 20:46:14 INFO app[[o.s.a.ProcessLauncherImpl] Launch process[COMPUTE_ENGINE] from [C:\Sonar\sonarqube-9.9.0
.65466]: C:\Program Files\Java\jdk-17\bin\java -Djava.awt.headless=true -Dfile.encoding=UTF-8 -Djava.io.tmpdir=C:\Sonar\
sonarqube-9.9.0.65466\temp -XX:-OmitStackTraceInFastThrow --add-opens=java.base/java.util=ALL-UNNAMED --add-exports=java
.base/jdk.internal.ref=ALL-UNNAMED --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.nio=ALL-UNNAME
D --add-opens=java.base/sun.nio.ch=ALL-UNNAMED --add-opens=java.management/sun.management=ALL-UNNAMED --add-opens=jdk.ma
nagement/com.sun.management.internal=ALL-UNNAMED -Dcom.redhat.fips=false -Xmx512m -Xms128m -XX:+HeapDumpOnOutOfMemoryErr
or -Dhttp.nonProxyHosts=localhost[127.*][:1] -cp ./lib/sonar-application-9.9.0.65466.jar;C:\Sonar\sonarqube-9.9.0.65466
\lib\jdbc\h2\h2-2.1.214.jar org.sonar.ce.app.CeServer C:\Sonar\sonarqube-9.9.0.65466\temp\sq-process3768359630544507016p
roperties
WARNING: A terminally deprecated method in java.lang.System has been called
WARNING: System::setSecurityManager has been called by org.sonar.process.PluginSecurityManager (file:/C:/Sonar/sonarqube
-9.9.0.65466/lib/sonar-application-9.9.0.65466.jar)
WARNING: Please consider reporting this to the maintainers of org.sonar.process.PluginSecurityManager
WARNING: System::setSecurityManager will be removed in a future release
2023.03.05 20:46:49 INFO app[[o.s.a.SchedulerImpl] Process[ce] is up
2023.03.05 20:46:49 INFO app[[o.s.a.SchedulerImpl] SonarQube is operational
```

Una vez clonado el proyecto e iniciado Sonarqube procedemos a ingresar a la dirección [HTTP://localhost:9000](http://localhost:9000) e iniciamos sesión, posteriormente creamos un nuevo proyecto de escaneo.

Create a project

All fields marked with * are required

Project display name *



Up to 255 characters. Some scanners might override the value you provide.

Project key *



The project key is a unique identifier for your project. It may contain up to 400 characters. Allowed characters are alphanumeric, '-' (dash), '_' (underscore), '.' (period) and ':' (colon), with at least one non-digit.

Main branch name *

The name of your project's default branch [Learn More](#)

Set Up

Teniendo nuestro proyecto creado procedemos a generar el enlace para iniciar el escaneo.

1 Provide a token

✓ Analyze "Test Sonarqube":sqp_b30bae6a04a3f99e0185b3c76ee80db67247882a

2 Run analysis on your project

What option best describes your build?

Maven Gradle .NET Other (for JS, TS, Go, Python, PHP, ...)

What is your OS?

Linux Windows macOS

Download and unzip the Scanner for Windows

Visit the [official documentation of the Scanner](#) to download the latest version, and add the `bin` directory to the `%PATH%` environment variable

Execute the Scanner

Running a SonarQube analysis is straightforward. You just need to execute the following commands in your project's folder.

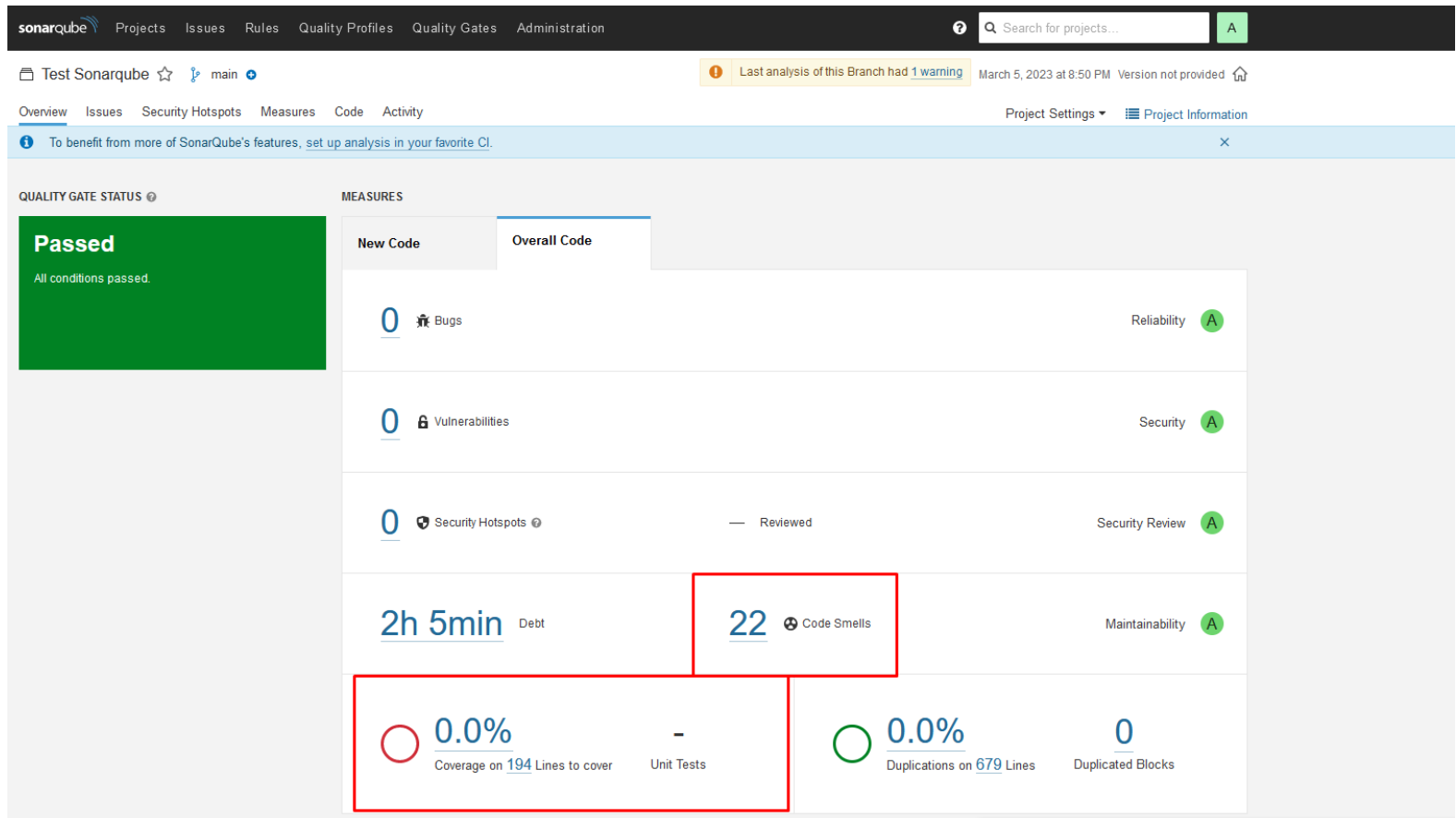
```
sonar-scanner.bat -D"sonar.projectKey=Test-Sonarqube" -D"sonar.sources=." -D"sonar.host.url=http://localhost:9000" -D"sonar.login=sqp_b30bae6a04a3f99e0185b3c76ee80db67247882a"
```

Copy

Iniciamos el escaneo y validamos los resultados obtenidos por parte de SonarQube

```
C:\Windows\System32\cmd.exe
INFO: ----- Run sensors on project
INFO: Sensor Analysis Warnings import [csharp]
INFO: Sensor Analysis Warnings import [csharp] (done) | time=3ms
INFO: Sensor Zero Coverage Sensor
INFO: Sensor Zero Coverage Sensor (done) | time=65ms
INFO: Sensor Java CPD Block Indexer
INFO: Sensor Java CPD Block Indexer (done) | time=53ms
INFO: SCM Publisher SCM provider for this project is: git
INFO: SCM Publisher 18 source files to be analyzed
INFO: 17/18 source files have been analyzed
INFO: SCM Publisher 18/18 source files have been analyzed (done) | time=10658ms
INFO: CPD Executor 8 files had no CPD blocks
INFO: CPD Executor Calculating CPD for 9 files
INFO: CPD Executor CPD calculation finished (done) | time=62ms
INFO: Analysis report generated in 723ms, dir size=183.1 kB
INFO: Analysis report compressed in 409ms, zip size=58.4 kB
INFO: Analysis report uploaded in 975ms
INFO: ANALYSIS SUCCESSFUL, you can find the results at: http://localhost:9000/dashboard?id=Test-Sonarqube
INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report
INFO: More about the report processing at http://localhost:9000/api/ce/task?id=AYa0ne1aPpUbwgg-Lz_
INFO: Analysis total time: 58.288 s
INFO: -----
INFO: EXECUTION SUCCESS
INFO: -----
INFO: Total time: 1:25.603s
INFO: Final Memory: 21M/74M
INFO: -----
```

Finalizado el escaneo podemos evidenciar que no se han realizado pruebas unitarias al código durante el desarrollo, hay 22 codigos apestosos y una deuda técnica de 2horas y 5 minutos



Se requiere realizar pruebas adicionales con el fin de encontrar defectos pasados por alto por esta prueba de SonarQube

Bulk Change 1 / 22 issues 2h

src...com/sofka/catalog/controller/CourseController.java

- Define a constant instead of duplicating this literal " found successfully." 3 times. 19 days ago L61
Code Smell Critical Open Not assigned 8min effort Comment

src...java/com/sofka/catalog/dto/CourseDTO.java

- Remove this unused "id" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- Remove this unused "name" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- Remove this unused "coach" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- Remove this unused "level" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- Remove this unused "lastUpdated" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- This block of commented-out lines of code should be removed. 18 days ago L11
Code Smell Major Open Not assigned 5min effort Comment

src...java/com/sofka/catalog/dto/StudentDTO.java

- Remove this unused "id" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- Remove this unused "name" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment
- Remove this unused "idNum" private field. 19 days ago L11
Code Smell Major Open Not assigned 5min effort Comment

Finalizada la verificacion procedemos a detener SonarQube

```
WARNING: Please consider reporting this to the maintainers of org.sonar.process.PluginSecurityManager
WARNING: System::setSecurityManager will be removed in a future release
2023.03.05 20:46:14 INFO app[[o.s.a.SchedulerImpl] Process[web] is up
2023.03.05 20:46:14 INFO app[[o.s.a.ProcessLauncherImpl] Launch process[COMPUTE_ENGINE] from [C:\Sonar\sonarqube-9.9.0
.65466]: C:\Program Files\Java\jdk-17\bin\java -Djava.awt.headless=true -Dfile.encoding=UTF-8 -Djava.io.tmpdir=C:\Sonar\
sonarqube-9.9.0.65466\temp -XX:-OmitStackTraceInFastThrow --add-opens=java.base/java.util=ALL-UNNAMED --add-exports=java
.base/jdk.internal.ref=ALL-UNNAMED --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.nio=ALL-UNNAME
D --add-opens=java.base/sun.nio.ch=ALL-UNNAMED --add-opens=java.management/sun.management=ALL-UNNAMED --add-opens=jdk.ma
nagement/com.sun.management.internal=ALL-UNNAMED -Dcom.redhat.fips=false -Xmx512m -Xms128m -XX:+HeapDumpOnOutOfMemoryErr
or -Dhttp.nonProxyHosts=localhost|127.*|::1] -cp ./lib/sonar-application-9.9.0.65466.jar;C:\Sonar\sonarqube-9.9.0.65466
\lib\jdbc\h2\h2-2.1.214.jar org.sonar.ce.app.CeServer C:\Sonar\sonarqube-9.9.0.65466\temp\sq-process3768359630544507016p
roperties
WARNING: A terminally deprecated method in java.lang.System has been called
WARNING: System::setSecurityManager has been called by org.sonar.process.PluginSecurityManager (file:/C:/Sonar/sonarqube
-9.9.0.65466/lib/sonar-application-9.9.0.65466.jar)
WARNING: Please consider reporting this to the maintainers of org.sonar.process.PluginSecurityManager
WARNING: System::setSecurityManager will be removed in a future release
2023.03.05 20:46:49 INFO app[[o.s.a.SchedulerImpl] Process[ce] is up
2023.03.05 20:46:49 INFO app[[o.s.a.SchedulerImpl] SonarQube is operational
2023.03.05 20:56:06 INFO app[[o.s.a.SchedulerImpl] Stopping SonarQube
2023.03.05 20:56:06 INFO app[[o.s.a.SchedulerImpl] Sonarqube has been requested to stop
2023.03.05 20:56:06 INFO app[[o.s.a.SchedulerImpl] Stopping [Compute Engine] process...
^C¿Desea terminar el trabajo por lotes (S/N)? 2023.03.05 20:56:07 INFO app[[o.s.a.SchedulerImpl] Process[Compute Engin
e] is stopped
2023.03.05 20:56:07 INFO app[[o.s.a.SchedulerImpl] Stopping [Web Server] process...
2023.03.05 20:56:10 INFO app[[o.s.a.SchedulerImpl] Process[Web Server] is stopped
2023.03.05 20:56:10 INFO app[[o.s.a.SchedulerImpl] Stopping [ElasticSearch] process...
2023.03.05 20:56:10 INFO app[[o.s.a.SchedulerImpl] Process[ElasticSearch] is stopped
2023.03.05 20:56:10 INFO app[[o.s.a.SchedulerImpl] SonarQube is stopped
```

