Experiment No 8

**Name- Maniya Motiramani**

**Class-D15b/38**

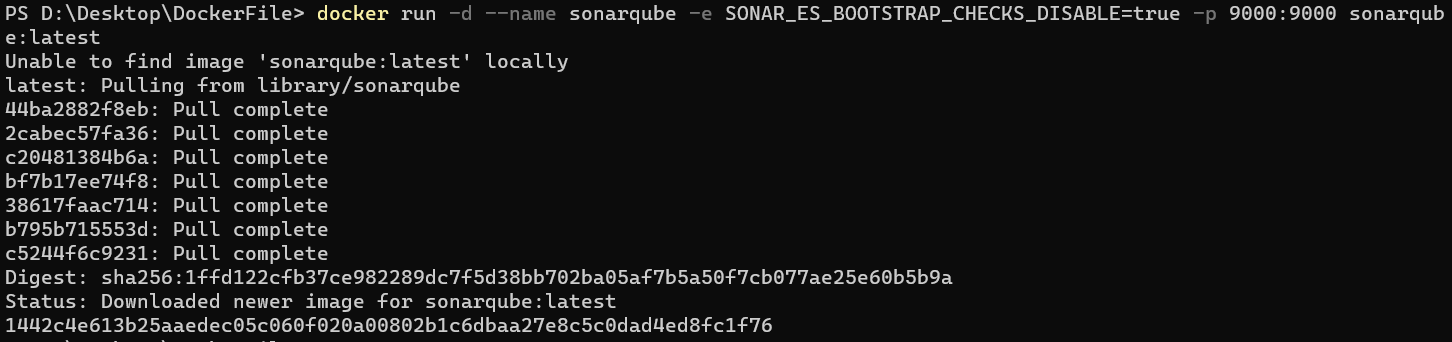
**AIM: Integrating Jenkins with SonarQube.**

Open up Jenkins Dashboard on localhost, port 8080

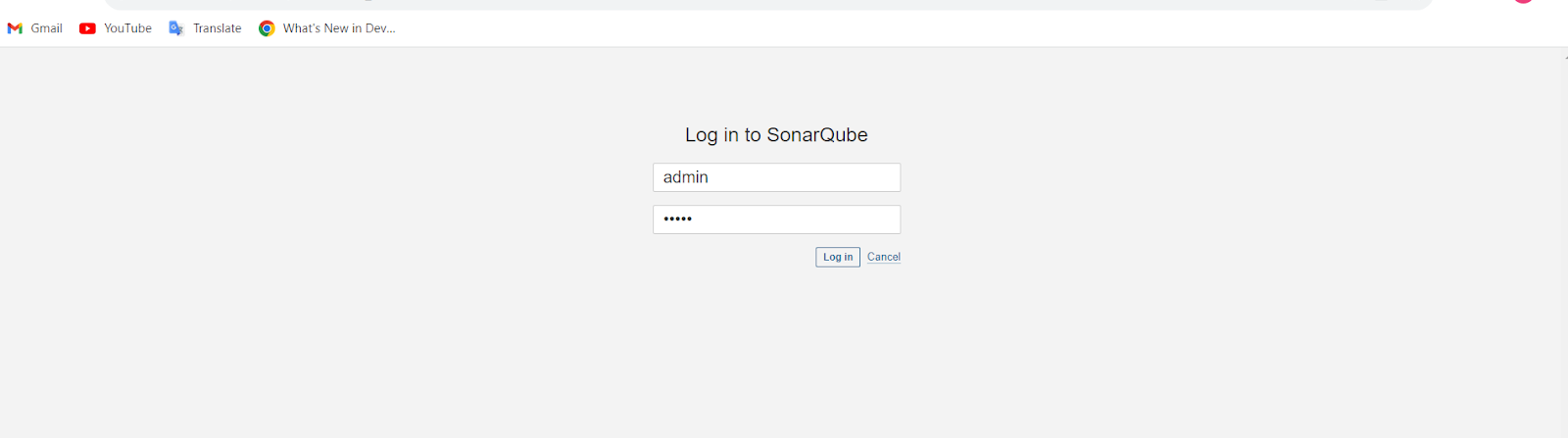
Run SonarQube in a Docker container using this command -

$ docker run -d --name sonarqube -e SONAR\_ES\_BOOTSTRAP\_CHECKS\_DISABLE=true -p 9000:9000

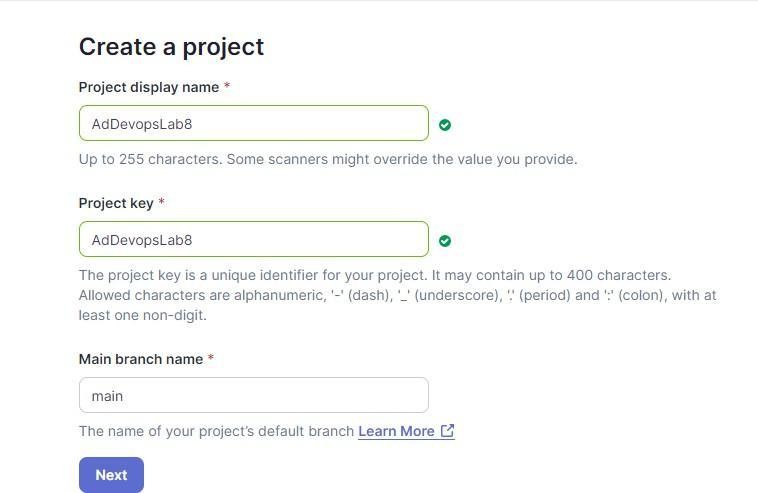
sonarqube:latest

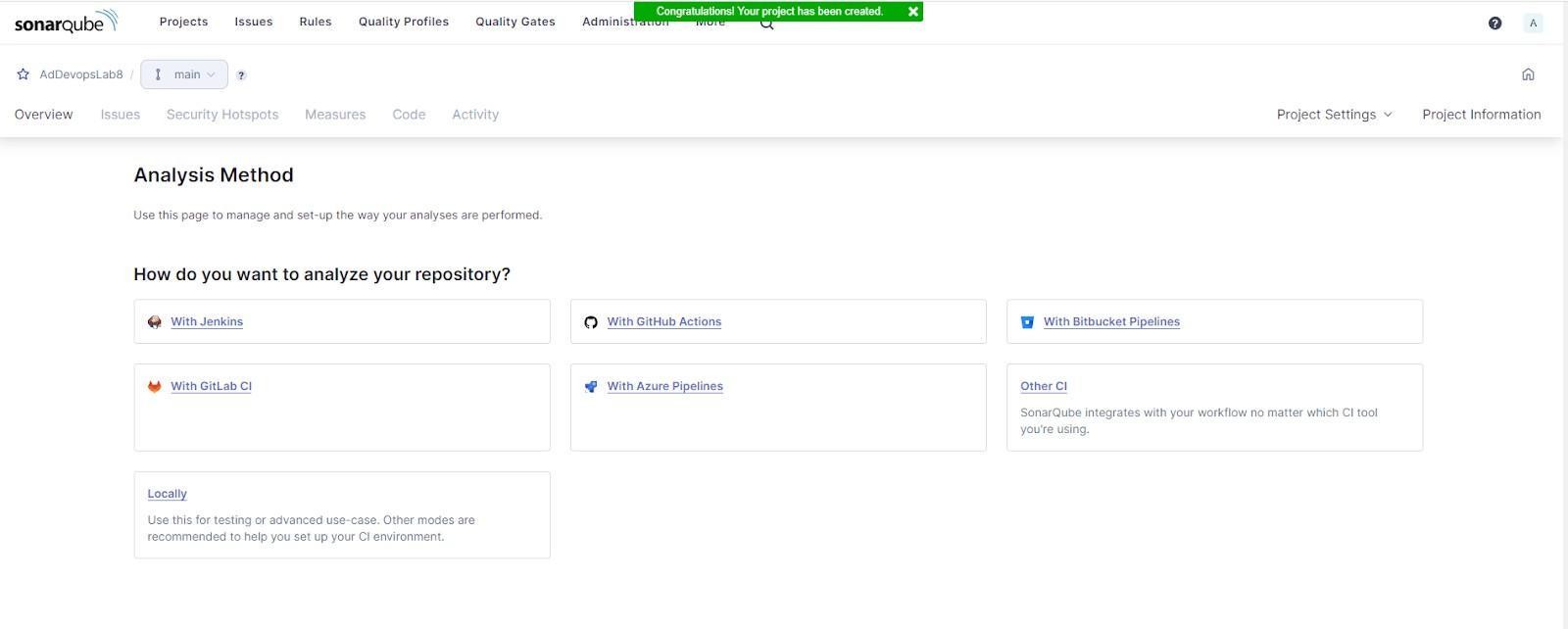


**sonarqube**

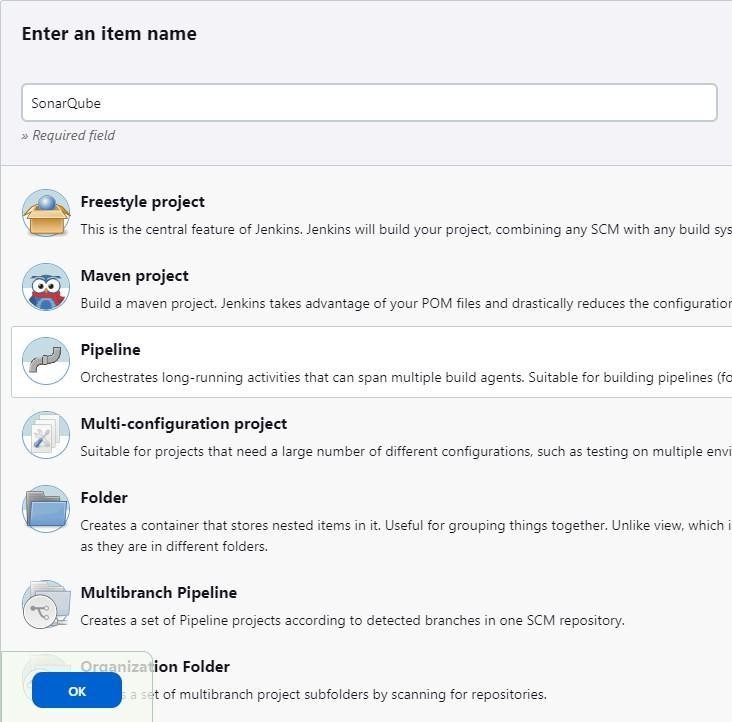


**Create project manually**





In Jenkins create a pipeline here named “SonarQube”



Enter the following in pipeline script:

node {

stage('Cloning the GitHub Repo') {

git 'https://github.com/PrajaktaUpadhye6/MSBuild\_firstproject.git'

}

stage('SonarQube analysis') { withSonarQubeEnv('sonarqube') {

bat

"D:/sonar-scanner-cli-5.0.1.3006-windows/sonar-scanner-5.0.1.3006-windows/bin/sonar-scanne r.bat \

-D sonar.login=admin \

-D sonar.password=abc \

-D sonar.projectKey=AdDevops \

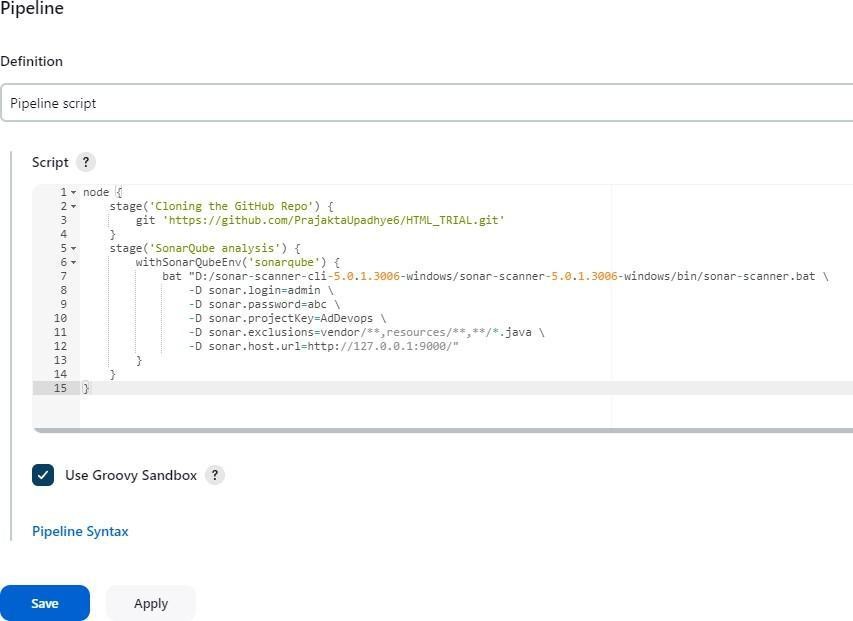
-D sonar.exclusions=vendor/\*\*,resources/\*\*,\*\*/\*.java \

-D sonar.host.url=http://127.0.0.1:9000/"

}

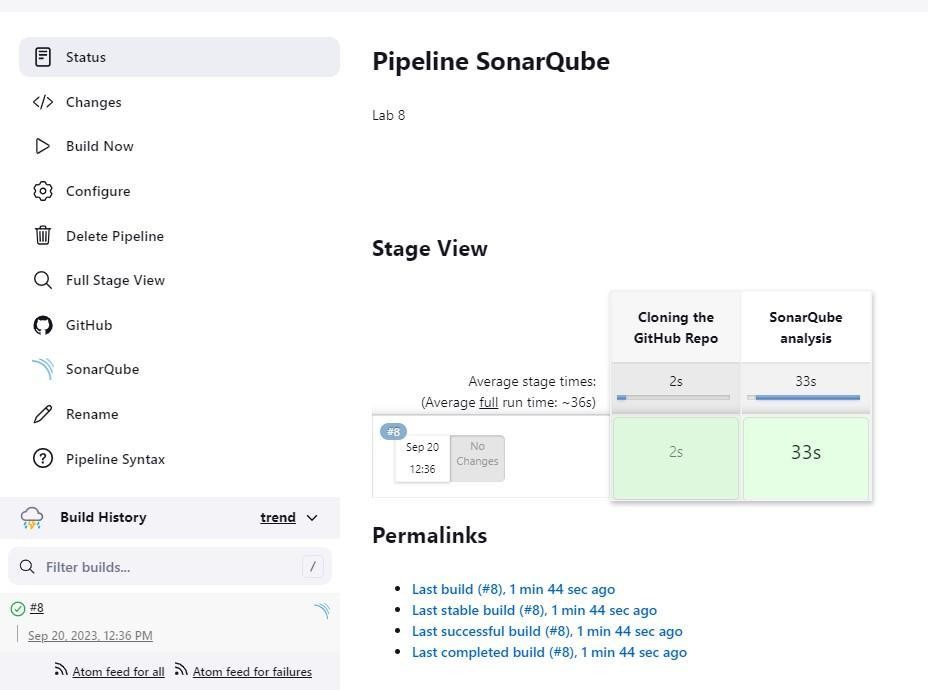
}

}

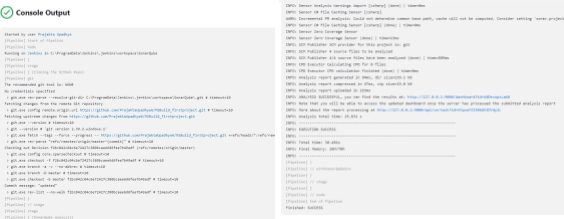


It is a java sample project which has a lot of repetitions and issues that will be detected by SonarQube.

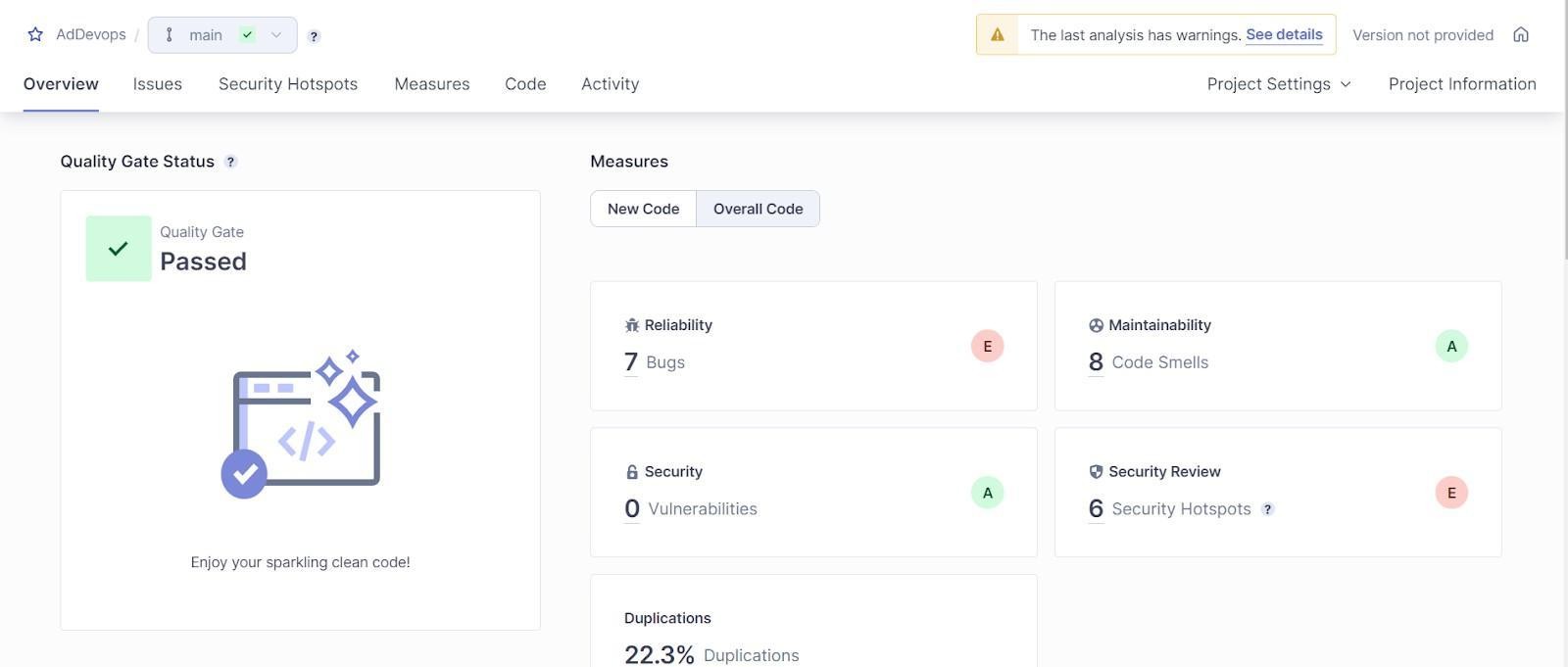
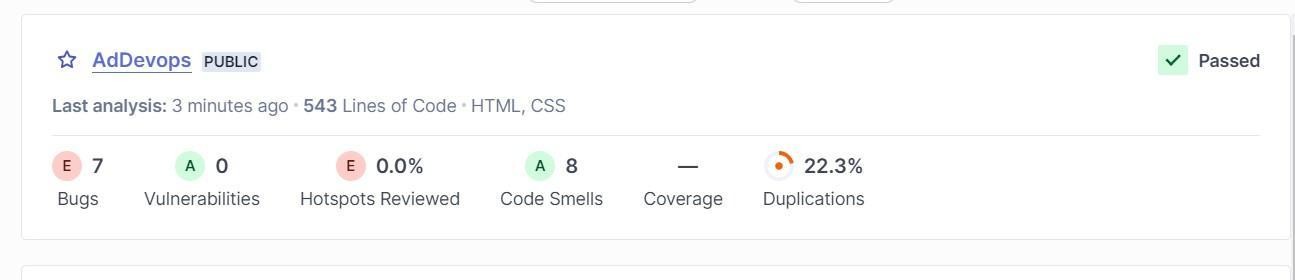
Build and run:



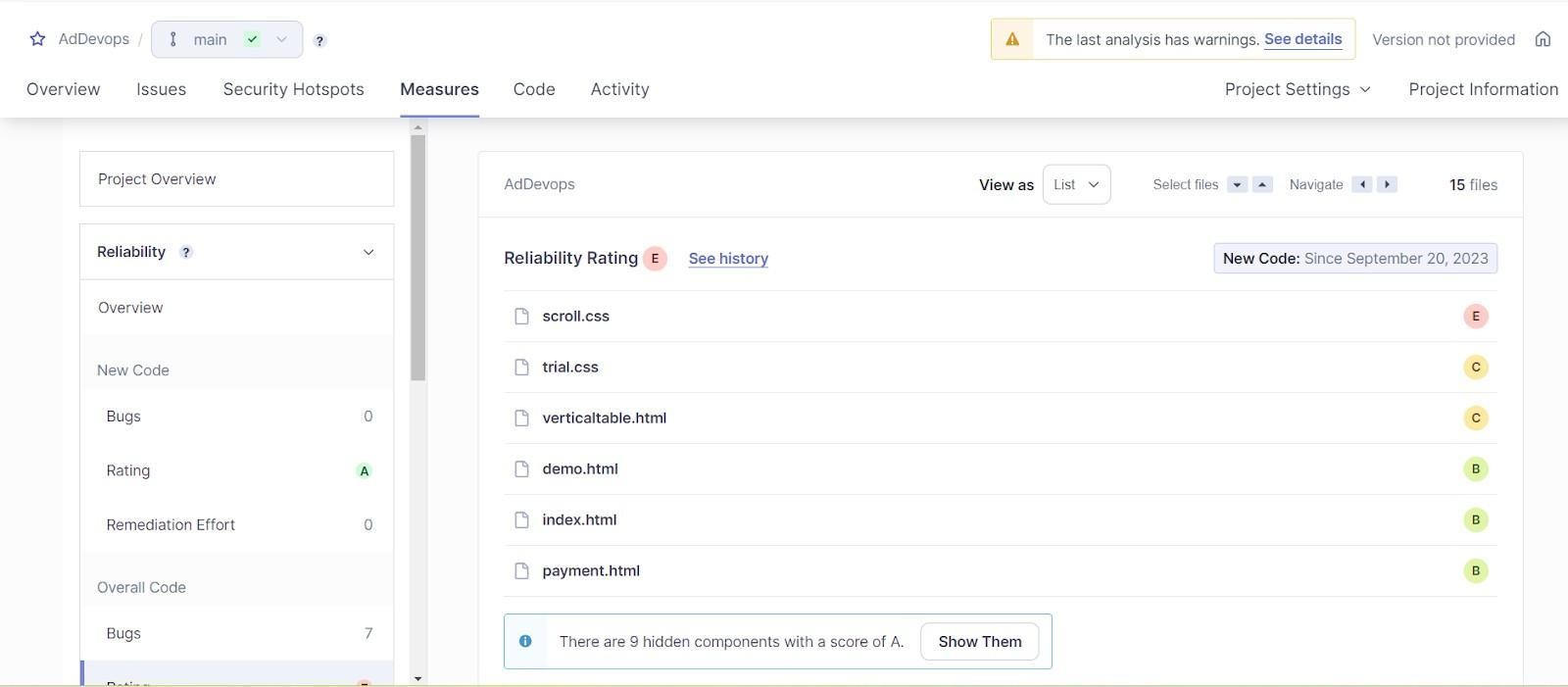
Console output:



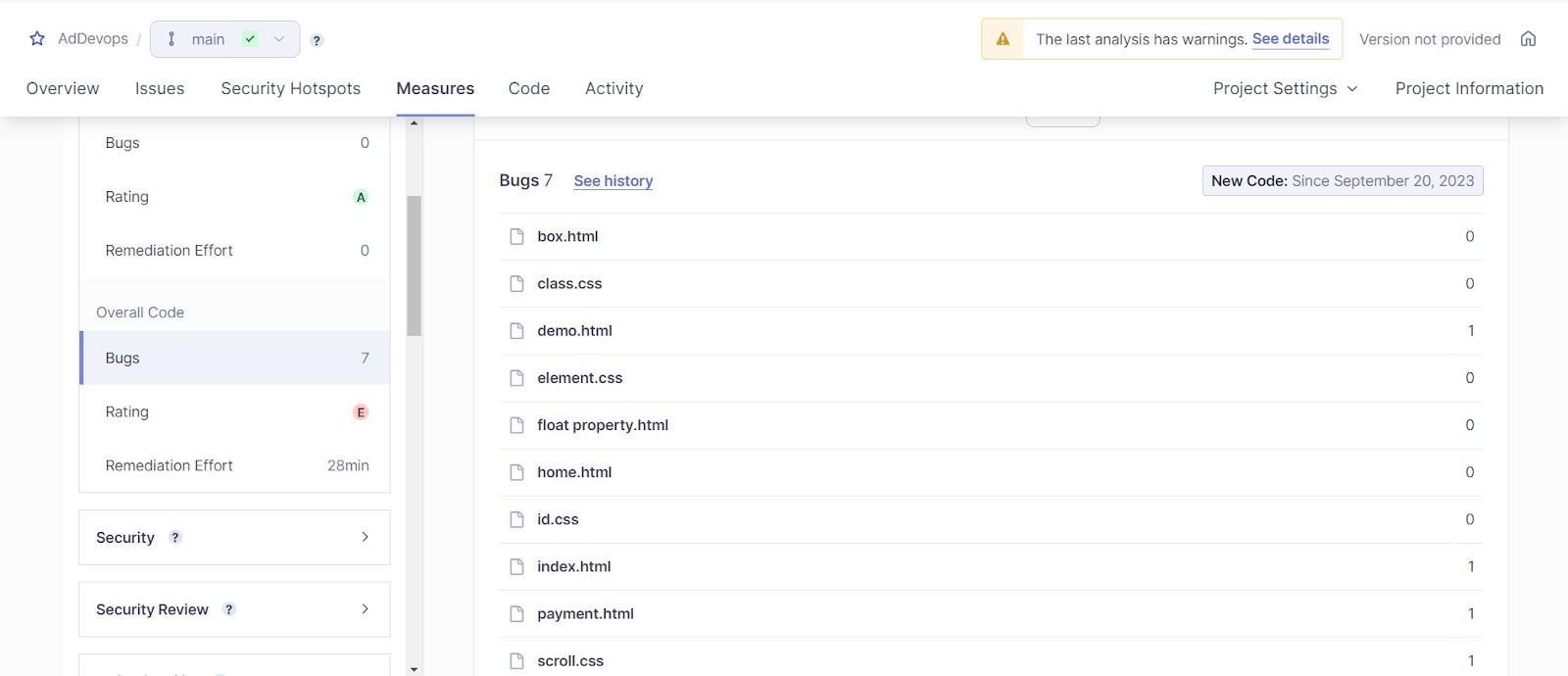
sonarqube:



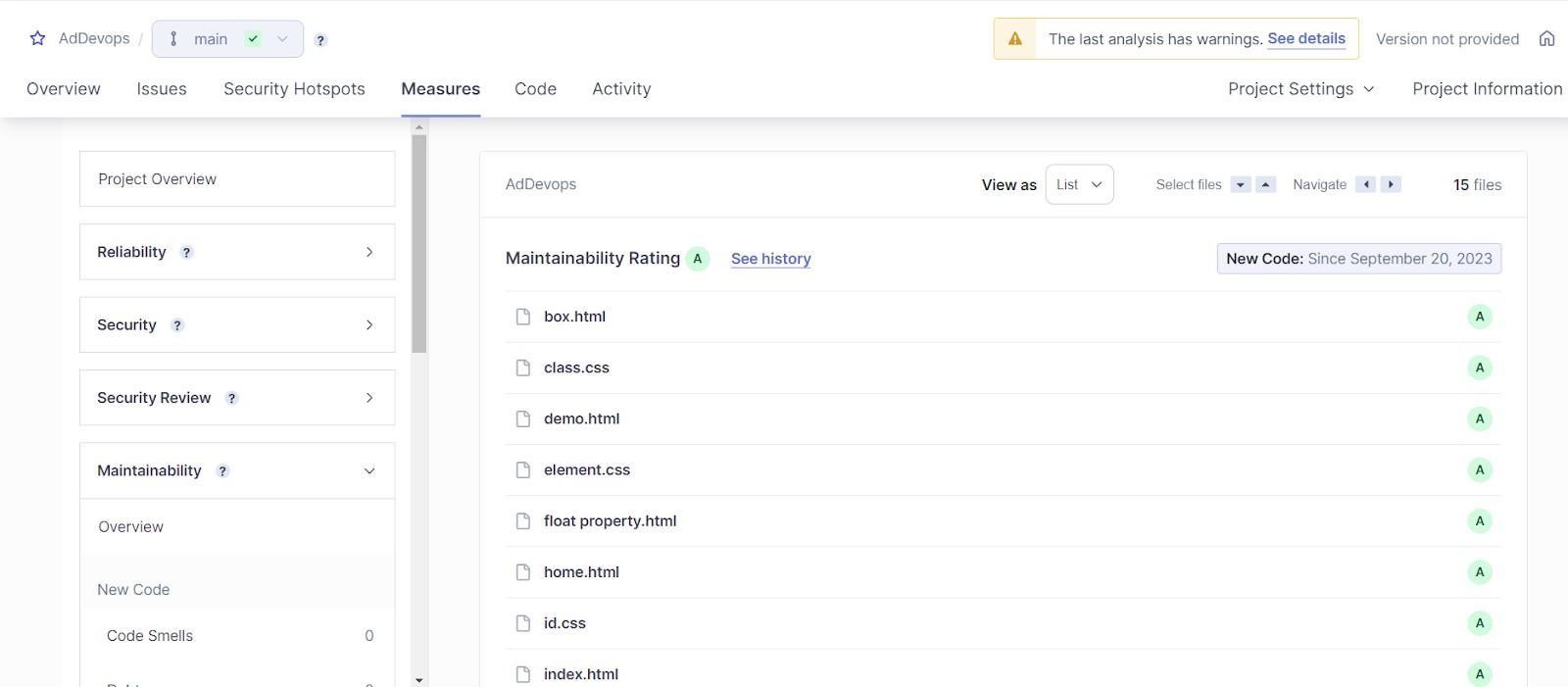
**Reliability:**



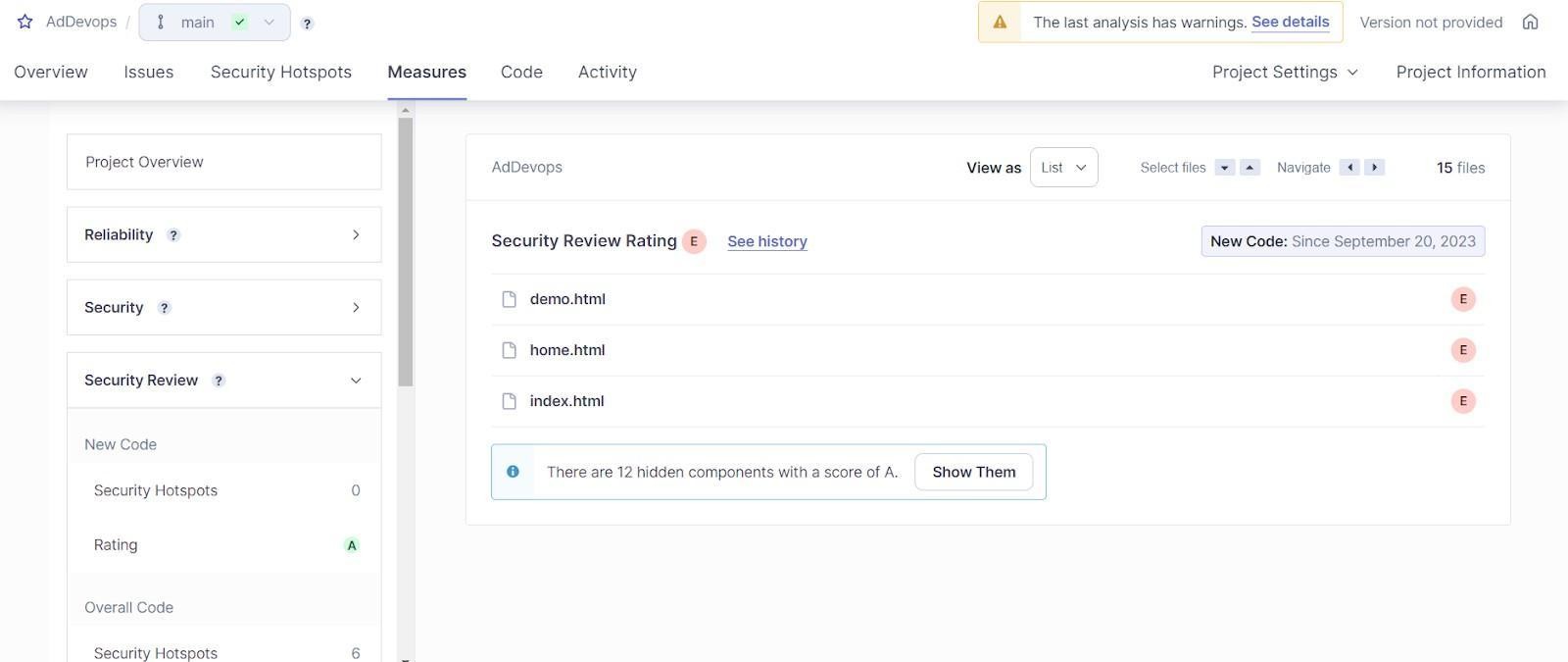
**Bugs:**



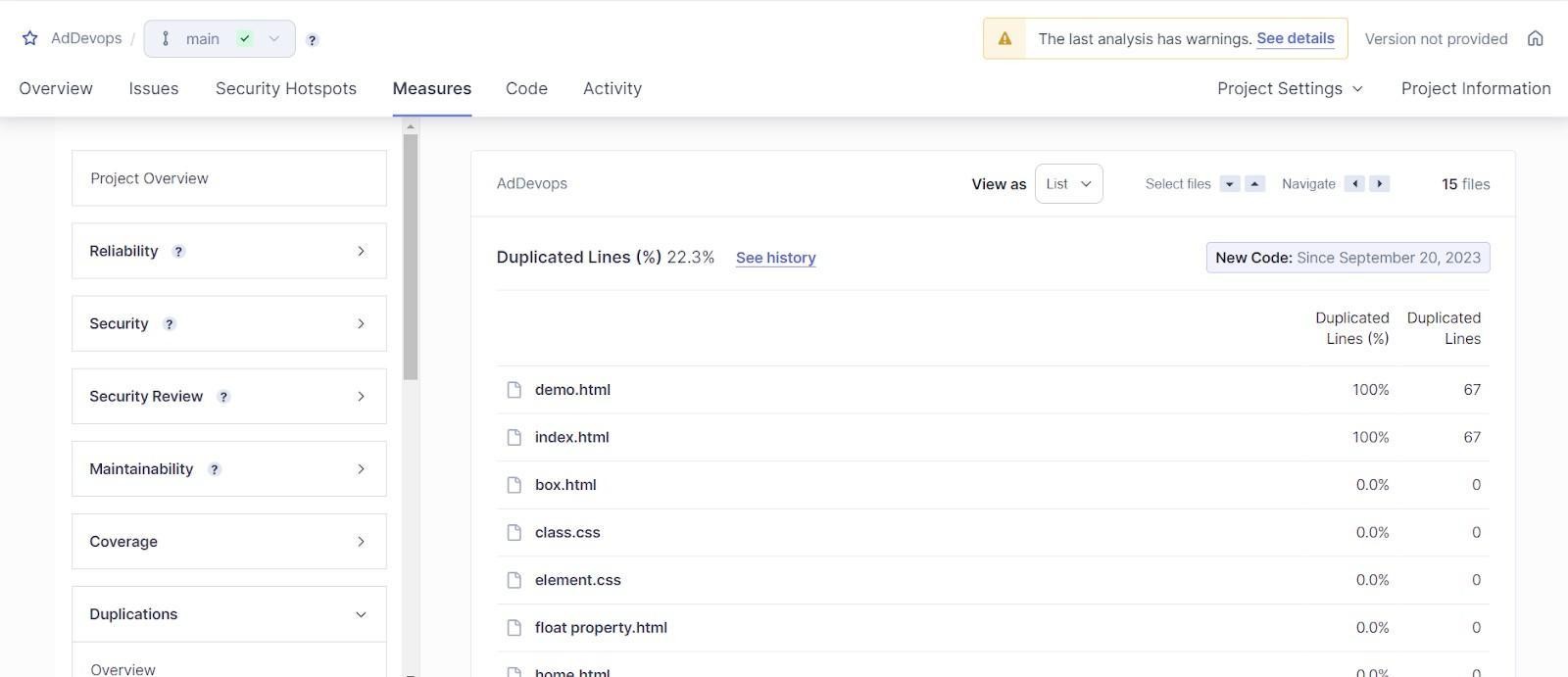
**Maintanaibility:**



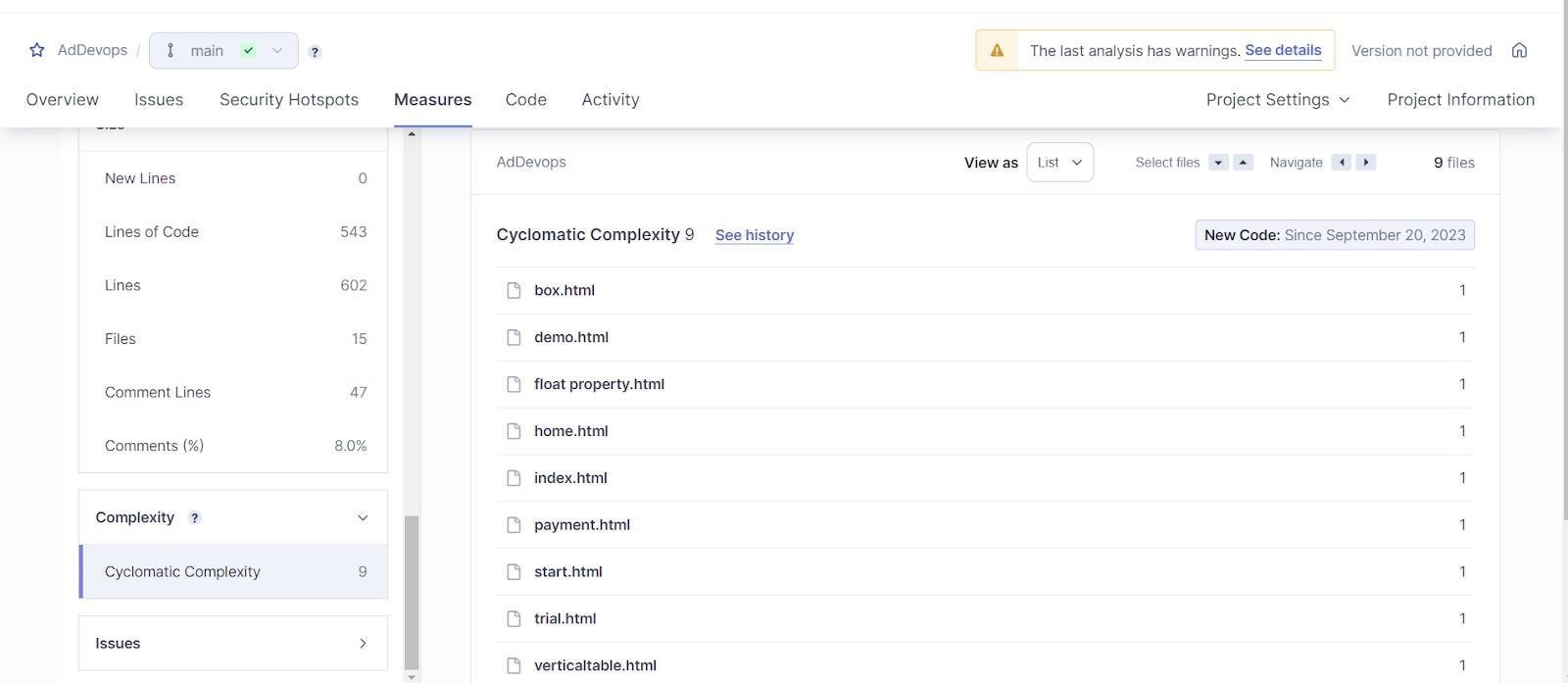
Security:



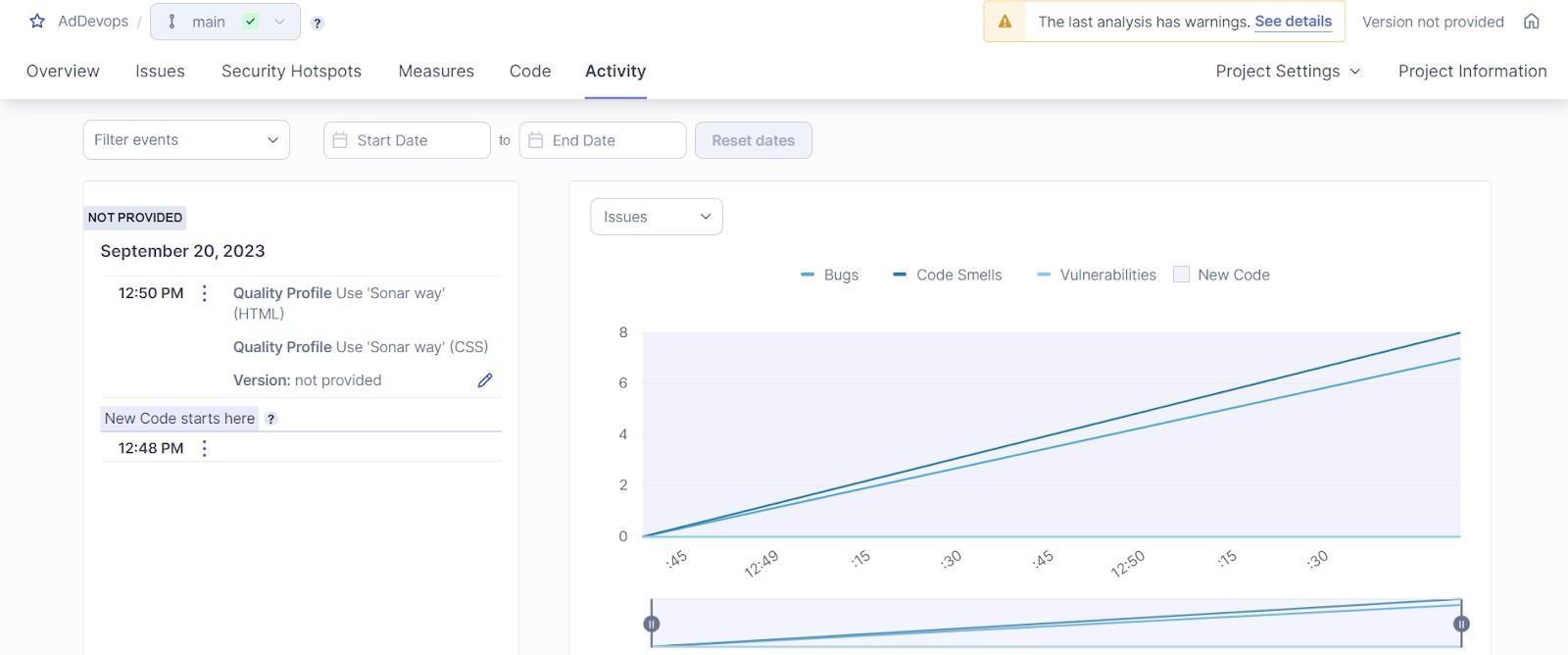
Duplications:



Cyclomatic complexity:



Activity:



**Conclusion:** Thus, we have successfully integrated Jenkins with SonarQube.