

Spring Boot API Pipeline Code

```
pipeline {
    agent any

    stages {
        stage('Checkout') {
            steps {
                git credentialsId: 'gitlab', url: 'https://git.nagarro.com/GITG00641/Java/aniket-kumar.git'
            }
        }

        stage('Build') {
            steps {
                dir('Week9/AdvanceJavaAssignment5Api') {
                    bat 'mvn clean package'
                }
            }
        }

        stage('Code Quality Check') {
            steps {
                withSonarQubeEnv('Sonar') {
                    dir('Week9/AdvanceJavaAssignment5Api') {
                        bat 'mvn sonar:sonar'
                    }
                }
            }
        }
    }
}
```

Spring MVC Frontend Pipeline code


```
pipeline {
    agent any

    stages {
        stage('Checkout') {
            steps {
                git credentialsId: 'gitlab', url: 'https://git.nagarro.com/GITG00641/Java/aniket-kumar.git'
            }
        }

        stage('Build') {
            steps {
                dir('Week9/AdvanceJavaAssignment5Frontend') {
                    bat 'mvn clean package'
                }
            }
        }

        stage('Code Quality Check') {
            steps {
                withSonarQubeEnv('Sonar') {
                    dir('Week9/AdvanceJavaAssignment5Frontend') {
                        bat 'mvn sonar:sonar'
                    }
                }
            }
        }
    }
}
```

Build Success and Bugs Report Screenshot of SONAR and JENKINS

 **Jenkins**

[log in](#)

Dashboard

+ New Item

People

Build History

Manage Jenkins

P4 Trigger

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

S

W

Name

Last Success

Last Failure

Last Duration

Coverage

Issues

SpringBootAPIPipeline

14 min
#9

17 min
#8

31 sec

n/a

-

SpringMVCFrontendPipeline

2 min 18
sec
#2

N/A

39 sec

n/a

-

Icon:

S

M

L

 Icon legend

Atom feed for all

Atom feed for failures

Atom feed for just latest builds

sonarqube

[Projects](#)[Issues](#)[Rules](#)[Quality Profiles](#)[Quality Gates](#)[Administration](#)

My Favorites

All

2 projects

Perspective: Overall Status

Sort by: Name

Quality Gate

Passed

2

Failed

0

Reliability (Bugs)

A

2

B

0

C

0

D

0

E

0

Security (Vulnerabilities)

A

1

B

0

C

0

D

1

E

0

☆ AdvanceJavaAssignment5

Passed

Last analysis: 15 minutes ago

Bugs

Vulnerabilities

Hotspots Reviewed

Code Smells

Coverage

Duplications

Lines

A

D

A

A

0.0%

0.0%

369 XS Java, XML

☆ AdvanceJavaAssignment5Frontend

Passed

Last analysis: 3 minutes ago

Bugs

Vulnerabilities

Hotspots Reviewed

Code Smells

Coverage

Duplications

Lines

A

A

E

A

0.0%

0.0%

401 XS Java, XML

2 of 2 shown

Embedded database should be used for evaluation purposes only

The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a

AdvanceJavaAssignment5Frontend

master

May 10, 2023 at 4:11 AM Version 1.0

Overview

Issues

Security Hotspots

Measures

Code

Activity

Project Settings

Project Information

QUALITY GATE STATUS

Passed

All conditions passed.

MEASURES

New Code

Overall Code

0

Bugs

Reliability

A

0

Vulnerabilities

Security

A

6

Security Hotspots

0.0%

Reviewed

Security Review

E

AdvanceJavaAssignment5Frontend

master

May 10, 2023 at 4:11 AM Version 1.0

Overview

Issues

Security Hotspots

Measures

Code

Activity

Project Settings

Project Information

6

Security Hotspots

0.0%

Reviewed

Security Review

E

1h 24min

Debt

18

Code Smells

Maintainability

A

0.0%

Coverage on 150 Lines to cover

1

Unit Tests

0.0%

Duplications on 401 Lines

0

Duplicated Blocks

ACTIVITY

Issues

May 10, 2023 at 4:11 AM

1.0

AdvanceJavaAssignment5 ☆ master

May 10, 2023 at 3:59 AM Version 1.0

Overview Issues Security Hotspots Measures Code Activity

Project Settings Project Information

QUALITY GATE STATUS

Passed

All conditions passed.

MEASURES

New CodeOverall Code

0🐛 Bugs

9🔒 Vulnerabilities

0🛡️ Security Hotspots

1h 15minDebt

ReliabilityA

SecurityD

Security ReviewA

MaintainabilityA

AdvanceJavaAssignment5 ☆ master

May 10, 2023 at 3:59 AM Version 1.0

Overview Issues Security Hotspots Measures Code Activity

Project SettingsProject Information

0🛡️ Security Hotspots

Reviewed

Security ReviewA

1h 15minDebt

13🐛 Code Smells

MaintainabilityA

0.0%1

Coverage on 87 Lines to coverUnit Tests

0.0%0

Duplications on 369 LinesDuplicated Blocks

ACTIVITY

Issues

May 10, 2023 at 3:59 AM1.0