

Project Name
painel-tarefas

Branch
master

Report date
2021-08-05

Size Rating

XS

Lines of Code

489

Quality Gate

PASSED

Reliability

A

Bugs

0

Reliability on New Code

New Bugs

Security

A

Vulnerabilities

0

Security Hotspots

0

Security on New Code

New Vulnerabilities

New Security Hotspots

Maintainability

A

Code Smells

29

Debt Ratio

0%

Maintainability on New Code

New Code Smells

Debt Ratio on New Code

0

Issues by Severity



0 0 1

0 0 1

0 0 1

0 0 7

0 0 19

- Blocker
- Critical
- Major
- Minor
- Info

- Bug
- Vulnerability
- Code Smell

Coverage

0%

0%

Unit Tests

0

Coverage on New Code

0

Duplications

0%

0%

Duplicated Blocks

0

Duplications on New Code

0





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Top Common Issues

Severity	Rule	Type	# Issues
Info	JUnit5 test classes and methods should have default package visibility (java)	Code Smell	19
Minor	Unnecessary imports should be removed (java)	Code Smell	5
Minor	Local variables should not be declared and then immediately returned or thrown (java)	Code Smell	1
Major	Generic wildcard types should not be used in return types (java)	Code Smell	1
Minor	The diamond operator ("<>") should be used (java)	Code Smell	1
Major	Raw types should not be used (java)	Code Smell	1
Blocker	Tests should include assertions (java)	Code Smell	1

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Severity Levels

- Blocker
- Critical
- Major
- Minor
- Info
- Multiple severities found

Issue Types

- Bug
- Vulnerability
- Security Hotspot
- Code Smell





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Top Issues By Severity

Severity	Rule	Type	# Issues
!	Tests should include assertions (java)	Code Smell	1
↑	Generic wildcard types should not be used in return types (java)	Code Smell	1
↑	Raw types should not be used (java)	Code Smell	1
↓	Unnecessary imports should be removed (java)	Code Smell	5
↓	Local variables should not be declared and then immediately returned or thrown (java)	Code Smell	1
↓	The diamond operator ("<>") should be used (java)	Code Smell	1
i	JUnit5 test classes and methods should have default package visibility (java)	Code Smell	19

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Severity Levels

- ! Blocker
- ↑ Critical
- ↑ Major
- ↓ Minor
- i Info
- Multiple severities found

Issue Types

- Bug
- Vulnerability
- Security Hotspot
- Code Smell





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Top Security HotSpots to Review

Severity Rule






Type # Issues


No Security HotSpots found

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Severity Levels


-  Blocker
-  Critical
-  Major
-  Minor
-  Info

 Multiple severities found

Issue Types

-  Bug
-  Vulnerability
-  Security Hotspot
-  Code Smell



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Rule

Tests should include assertions

Language

java




Issues

1

A test case without assertions ensures only that no exceptions are thrown.

 **junit tests**

Issues Breakdown

 src/test/java/com/paineltarefas/api/PainelTarefasApplicationTests.java
Add at least one assertion to this test case.

L10

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2021-08-05

Rule

Generic wildcard types should not be used in return types

Language

java



Issues

1

It is highly recommended not to use wildcard types as return types.



pitfall

Issues Breakdown



src/main/java/com/paineltarefas/api/controller/TarefaController.java
Remove usage of generic wildcard type.

L52

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Rule

Raw types should not be used

Language

java



Issues

1

Generic types shouldn't be used raw (without type parameters) in variable declarations or return values.



pitfall

Issues Breakdown

src/main/java/com/paineltarefas/api/config/SwaggerConfig.java
Provide the parametrized type for this generic.

L39

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Rule

Unnecessary imports should be removed

Language

java








Issues

5

The imports part of a file should be handled by the Integrated Development Environment (IDE), not manually by the developer.


unused

Issues Breakdown

- | | |
|--|-----------|
|  src/main/java/com/paineltarefas/api/controller/ProjetoController.java
Remove this unused import 'com.paineltarefas.api.model.Tarefa'. | L3 |
|  src/main/java/com/paineltarefas/api/controller/TarefaController.java
Remove this unused import 'com.paineltarefas.api.model.Usuario'. | L4 |
|  src/main/java/com/paineltarefas/api/controller/ProjetoController.java
Remove this unused import 'javassist.NotFoundException'. | L8 |
|  src/main/java/com/paineltarefas/api/controller/TarefaController.java
Remove this unused import 'com.paineltarefas.api.model.Projeto'. | L3 |
|  src/main/java/com/paineltarefas/api/controller/UsuarioController.java
Remove this unused import 'com.paineltarefas.api.model.Tarefa'. | L3 |




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Rule

Local variables should not be declared and then immediately returned or thrown

Declaring a variable only to immediately return or throw it is a bad practice.

Language

java



Issues

1



clumsy

Issues Breakdown



src/main/java/com/paineltarefas/api/config/SwaggerConfig.java

Immediately return this expression instead of assigning it to the temporary variable "apiInfo"

L32

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Rule

The diamond operator ("<>") should be used

Language

java



Issues

1

Java 7 introduced the diamond operator (<>) to reduce the verbosity of generics code.



clumsy

Issues Breakdown



src/main/java/com/paineltarefas/api/config/SwaggerConfig.java

Replace the type specification in this constructor call with the diamond operator ("<>").

L39

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Rule

JUnit5 test classes and methods should have default package visibility

Language

java



Issues

19

JUnit5 is more tolerant regarding the visibilities of Test classes than JUnit4, which required everything to be public.

junit tests**Issues Breakdown**

src/test/java/com/paineltarefas/api/ProjetoControllerTest.java Remove this 'public' modifier.	L17
src/test/java/com/paineltarefas/api/ProjetoControllerTest.java Remove this 'public' modifier.	L23
src/test/java/com/paineltarefas/api/ProjetoControllerTest.java Remove this 'public' modifier.	L32
src/test/java/com/paineltarefas/api/ProjetoControllerTest.java Remove this 'public' modifier.	L40
src/test/java/com/paineltarefas/api/ProjetoControllerTest.java Remove this 'public' modifier.	L54
src/test/java/com/paineltarefas/api/ProjetoControllerTest.java Remove this 'public' modifier.	L69
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L24
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L36
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L45
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L53
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L79
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L99
src/test/java/com/paineltarefas/api/TarefaControllerTest.java Remove this 'public' modifier.	L120
src/test/java/com/paineltarefas/api/UsuarioControllerTest.java Remove this 'public' modifier.	L17
src/test/java/com/paineltarefas/api/UsuarioControllerTest.java Remove this 'public' modifier.	L23
src/test/java/com/paineltarefas/api/UsuarioControllerTest.java Remove this 'public' modifier.	L32

... ..

