

Inspeções estáticas com Sonar

Aluno: Alexandre de Mesquita Fabian

Professor: Rodrigo Prestes Machado

Utilizado Projeto <https://github.com/amfabian/pw2-projeto-final>

Arquivos do web service BFF em <https://github.com/amfabian/pw2-projeto-final/tree/main/bff/src/main/java/dev/ifrs>

Unnecessary imports should be removed (java:S1128)

Code Smell: Minor

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

Unused and useless imports should not occur if that is the case.

Leaving them in reduces the code's readability, since their presence can be confusing.

Exemplo:

linhas 06, 07 e 22 de [/backendclients/UsuarioBC.java](#):

```
import javax.annotation.security.RolesAllowed;  
import javax.transaction.Transactional;
```

linhas 17 e 19 de [/UsuarioBFF.java](#):

```
import javax.ws.rs.core.Context;  
import javax.ws.rs.core.SecurityContext;
```

Resolução:

linhas suprimidas do código.

Standard outputs should not be used directly to log anything (java:S106)

Code Smell: Major

When logging a message there are several important requirements which must be fulfilled:

The user must be able to easily retrieve the logs The format of all logged message must be uniform to allow the user to easily read the log Logged data must actually be recorded Sensitive data must only be logged securely If a program directly writes to the standard outputs, there is absolutely no way to comply with those requirements. That's why defining and using a dedicated logger is highly recommended.

Exemplo:

linha 102 de [/UsuarioBFF.java](#):

```
System.out.println("BFF DELETE OK ");
```

substituída por:

```
String message = "User deletado " + id.toString();  
LOGGER.fine(message);
```

Field names should comply with a naming convention (java:S116)

Code Smell: Minor

Sharing some naming conventions is a key point to make it possible for a team to efficiently collaborate. This rule allows to check that field names match a provided regular expression.

Exemplo:

linha 06 de [/model/Mensagem.java](#):

```
private String user_id;  
substituida por:  
private String userId;
```