

Code Smells Identification

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Code Smell:Duplicate code & Switch statement

Location: package org.jabref.logic.exporter.

Code Snippet:

Uma imagem com texto

Descrição gerada automaticamente

Explanation: This snippet represents a duplicate code because the ifs are all going to return false never returning true and a switch statement because we have multiple ifs after each other.

How to solve:Instead of multiple if-else, we only need one if that return true given a condition where else returns false(encapsulating all the falses returned in the snippet above).

Code Smell:Shotgun surgery

Location: package org.fabref.gui.commonfxcontrols

Code Snips:

Uma imagem com texto

Descrição gerada automaticamente

Explanation:This is na exemple of the code smell shotgun surgery because any small change will mean changes around the source code in different classes.

How to solve:Creating specific methods, enabling us to when we need to change something we only need to do it in the method without having to touch other classes.

Code Smell:Message Chain

Location: package org.jabref.logic.citationkeypattern

Code Snips:

Uma imagem com texto

Descrição gerada automaticamente

Explanation:This represents a message chain because the object that the client called is calling another one and that is calling a new object too, creating a chain.

How to solve: We should create in this class a method that assignes the call of the objects.