

Code Smells Identification

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**Code Smell:** Duplicate code

**Location:** package org.jabref.logic.exporter.

**Code Snippet:**

Uma imagem com texto

Descrição gerada automaticamente

**Explanation:** This snippet represents a duplicate code because there will never be a return true, each if statement returns false.

**How to solve:**  Instead of this three ifs we should replace it with an if-else, where in the if we write the condition that makes it return true and the else returns false, englobing all three ifs present before.

**Code Smell:** Shotgun surgery

**Location:** package org.fabref.cli.JabrefCLI.java

**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.CitationKeyGenerator.java

**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. It can be seen that it is calling several objects to create the newKey.

**How to solve:** We should delegate the task of returning the newKey to a methd (that we are going to create) that does just that task.