# Code Smells

1. Long method

found @ src/main/java/org/jabref/logic/importer/fileformat/IsiImporter.java





I identified this as a code smell because the method itself is 185 lines long and has several comments explaining what is happening at some parts of the method, but none at others making it difficult and taxing to understand.

A possible fix could be passing some of the logic into different methods with names that make it easy to infer what they are doing without the need to go look at them, also acting as a quick way to explain what is happening without comments (which can turn into a whole different type of code smell).

1. Dead code/speculative generality

found @ src/main/java/org/jabref/model/entry/field/InternalField.java

Uma imagem com texto, interior, ecrã, captura de ecrã

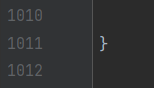
Descrição gerada automaticamente

I identified this as a code smell because this constructor is never used so it is dead code, but it could also be a code smell of type speculative generality since it could be code prepared to be used in the future.

A possible fix could be the deletion of that snippet of code.

1. Large class

found @ src/main/java/org/jabref/model/entry/BibEntry.java



(Chauhan, 2019) uses the threshold 750 lines to determine when a class is considered a large class. Using that knowledge, I identified this as a code smell since the class has 1012 lines.

A possible fix could be the division of the class into two minor classes to divide their work better or create a subclass that handles behavior that can be implemented in a different way or that is used in rare cases, for example, by creating two other classes: one that handles all Keyword related behaviors and the other all Field related behaviors.

# Bibliography

Chauhan, S. S. (2019). *Code Smells Quantification: A Case Study On Large Open Source Research Codebase.*