Code smell: comments

Code Snippets:

Uma imagem com texto

Descrição gerada automaticamente

Location: src/main/java/org/jabref/logic/bst/BibtexCaseChanger.java

Explanation: This is a comments code smell because these comments take on a “reminder” nature, which means if something needs to be changed, in this particular case if the functionality of CaseChangers would be included in this class, you would need to update the code. This could mean we might have here a complicated design which needs to be redone in order to be simplified so we can avoid having too many comments explaining certain situations.

Code smell: Message Chain

Code Snippets:

Uma imagem com texto

Descrição gerada automaticamente

Location: src/main/java/org/jabref/logic/bibtex/BibEntryWriter.java

Explanation: This is a message chain code smell because you have to call several objects in order to get the list of requiredFields for example. This means that the client is dependent on navigation along the class structure and any changes in these relationships would require to modify the client. This could be fixed by delegating the task of returning the requiredFields and the optionalFields to the BibEntryType class.

Code smells: Data clump & Data class

Code Snippets:

Uma imagem com texto

Descrição gerada automaticamente

Uma imagem com texto

Descrição gerada automaticamente

Location: src/main/java/org/jabref/logic/citationkeypattern/CitationKeyPatternPreferences.java

Explanation: This is a data clamp code smell because it features a group of data that appears together in the parameters of this constructor. To fix this, we could create a class to save everything related to keyPattern for example, and then we just pass an instance of this class as a parameter, and this way we avoid this code smell. This class is also a data class code smell because it only has a constructor and getter methods shown in the code snippets and no real functionality since it only stores and returns data. We could fix this by moving some methods from the client code to this class if those methods would be better suited to this class, or maybe something else could be added to this class so it could have a real functionality.

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