Code Smells:

1 -

scr -> logic -> bibtex -> FieldWriter

Line 62 and 66 - Boolean checks should not be inverted

Solution:

There is no need to invert the result of a boolean comparison.

Use (right != 0) instead of !(right== 0 )

2 -

jabref scr -> logic -> citationkeypattern-> BracketedPattern

Line 387-404 - "switch" statements should have "default" clauses

Solution:

Adding a default clause to the switch allows the program to detect unexpected cases that may

appear during execution.

...

default:

error();

break;

...

3 -

scr -> logic -> exporter -> MSBibExporter

Line 46 - Try-catch blocks should not be nested

Solution:

To avoid making the "Try-catch blocks" nested, the second "try-catch" should be in a separate method.

...

try (AtomicFileWriter ps = new AtomicFileWriter(file, StandardCharsets.UTF\_8)) {

newTryCatch(ps)

} catch (IOException ex) {

throw new SaveException(ex);

}

...

public void newTryCatch(AtomicFileWriter ps){

try {

DOMSource source = new DOMSource(msBibDatabase.getDomForExport());

StreamResult result = new StreamResult(ps);

Transformer trans = TransformerFactory.newInstance().newTransformer();

trans.setOutputProperty(OutputKeys.INDENT, "yes");

trans.transform(source, result);

} catch (TransformerException | IllegalArgumentException | TransformerFactoryConfigurationError e) {

throw new SaveException(e);

}

}