Code Smells Element 3 – Switch Statements

This code smells occurs when there are switch statements scattered throughout the code, some of which can be changed using polymorphism.

Uma imagem com texto

Descrição gerada automaticamente**Uma imagem com texto, recibo, captura de ecrã

Descrição gerada automaticamenteCode Snippet**

**Code Location**

The path where this code smells is found (class path):

*“src\main\java\org\jabref\gui\util\TooltipTextUtil.java”*

**Uma imagem com texto

Descrição gerada automaticamente**

**Justification**

As it shows above the switch statement can be removed because it is used to differentiate text types so instead the use of polymorphism is preferred.

**Refactoring proposal**

There is one solution to this problem. As said earlier, the use of switch statements to differentiate types can be replaced using polymorphism for example the types bold, italic and monospaced will be subclasses which will extend the super class text.