***Code Smells***

1. **Comments:**

**Illustrating code snippet:**

Uma imagem com texto

Descrição gerada automaticamente

**Class location**: /ganttproject/src/main/java/org/imgscalr/Scalr.java

**Code smell:** In the Scalr.java class there are very extensive comments (for example the comment of line 35 to 196) that explain the functioning of the methods and the class, which indicate that for the author the code is not very clear

**Refactoring proposal:** the class should be divided into more classes to decrease class complexity

1. **Large Methods**

**Illustrating code snippet:**

Uma imagem com texto

Descrição gerada automaticamente

**Class location**: /biz.ganttproject.core/src/main/java/org/w3c/util/DateParser.java

**Code smell:** In the DateParser.java class there are very extensive methods that are difficult to understand (for example the method from lines 35 to 156)

**Refactoring proposal:** The most appropriate solution would be to divide the method into sub methods

1. **Shotgun Surgery**

**Illustrating code snippet:**

Uma imagem com texto

Descrição gerada automaticamente

**Class location**: /biz.ganttproject.core/src/main/java/org/w3c/util/DateParser.java

**Code smell:** In the DateParser.java class there are several equal constants scattered throughout the code, if one of them changed it would be necessary to change it in several places in the class

**Refactoring proposal:** The best way to deal with this problem would be to have a constant defined for each of these constants and if it was necessary to change its value, it would only be changed in one place.