**Code Smells**

1. Dead Code

Location: ganttproject\biz.ganttproject.core\src\main\java\biz.ganttproject\core\time\GanttCalender

(From line 159 to 163)

Rationale explanation:

When a method, such as this one, is commented it becomes obsolete since the functionality is either not supported anymore or implemented somewhere else, because of that the comments clutter the file where it’s written.

Refactoring proposal:

Given the fact that this piece of code is commented and there is no indication of a remainder that it is still being worked on, I suggest that we delete those lines to improve file size and that class’s readability.

Codebase snippet:

Text

Description automatically generated

1. Remainder Code

Location: ganttproject\ganttproject\src\main\java\net.sourceforge.ganttproject\PluginPreferencesImpl

(From lines 181 to 184)

Rationale explanation:

The comment show below on the codebase snippet indicates that the method is still being worked on, besides its auto generated, meaning that it must have been created by necessity of an Interface that the class implements.

Refactoring proposal:

To solve this code smell I propose we implement it, specifically using the already implemented “put” method of the same class, the only thing we need to consider is to convert the double received as a parameter to a string.

Codebase snippet:

Text

Description automatically generated

1. Long Method

Location: ganttproject\biz.ganttproject.core\src\main\java\biz.ganttproject\core\time\impl\GPTimeUnitStack

(From line 160 to 254)

Rationale explanation:

When looking at this method, it’s easy to lose track of what it accomplishes and how so, not only because of the length by itself but also the accumulated complexity.

Refactoring proposal:

To refactor this piece of code what I suggest is to create a few auxiliary private methods to reduce the size of the original method and make it more digestible.

Codebase snippet:

Text

Description automatically generated

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