# Code Smells – Element 2 – André Ribeiro 59835

**Code Smell 1: Speculative Generality**

Uma imagem com texto

Descrição gerada automaticamente

Found in: org.ganttproject.impex.htmlpdf\src\main\java\org\ganttproject\impex\htmlpdf\AbstractEngine.java

Lines: 55 and 59

A Speculative Generality code smell is described as code that might be useful someday but is not needed at the moment, and this generality may hinder the code by “over-engineering” it.

In the two mentioned lines we can see that both getGanttChart() and getResourceChart() are two methods that may prove useful, yet are not used right now, therefore these fall in the Speculative Generality smell.

One solution to amend this code would be remove both these methods entirely.

**Code Smell 2: Dead Code**

Uma imagem com texto

Descrição gerada automaticamente

Found in:

ganttproject\src\main\java\net\sourceforge\ganttproject\chart\VisibleNodesFilter.java

Code that has no further use and becomes obsolete is considered Dead Code.

The VisibleNodesFilter.java class is not used anywhere in the rest of the code, so it can be considered Dead Code, therefore the solution to take is to delete the class entirely.

**Code Smell 3: Data Class**

Uma imagem com texto

Descrição gerada automaticamente

Found in:

ganttproject\src\main\java\net\sourceforge\ganttproject\client\RssUpdate.java

A Data Classes are classes with the mere function of storing data that is used in other classes, characterized by containing only instance variables and simple methods to access said variables(getter/setters).

RssUpdate.java is one of these Data Classes, since its composition is 3 instance variables, its constructor and 3 getters. The best way to refactor this code would be to move the methods in this class to another class that could find a better use of said methods.