Identified Code Smells Reviews

Martim Gouveia 57482

Code Smell 1:

Review by Pedro Lourenço 57577

The code smell is well identified. There's anything else to add.

Code smell 2:

Review by Pedro Caldeirão - 57945

The code smell is well identified.

Explanation of the code smell is missing

Exact code refactoring is missing

Code Smell 3:

Review by Pedro Perdigão - 58165

The code smell is well identified and explained.

The code snippet is missing, as well as the code at the refactoring proposal.

The document could be more structured.

Identified Design Pattern Reviews

Martim Gouveia 57482

Pattern 1:

Reviewer - Pedro Caldeirão 57945

The pattern is well identified.

Brief description of the pattern missing.

Structure of the pattern missing.

Pattern 2:

Review by Pedro Lourenço 57577

The pattern is well identified, but the description of the pattern is missing.

Pattern 3:

Review by Bernardo Reis - 57802

Review of Factory Pattern - Patterns element 3 made by Martim Gouveia 57482.

This pattern is well identified, the document has all the sections combined(Code snippet, justification, Code location) but it's still easy to understand.

The document could have a UML structure explaining the Factory pattern, but it is not necessary.

Martin packaging metrics Review

Martim Gouveia 57482

Metrics review:

Review by Pedro Caldeirao - 57945

Collect metrics and potential problems are identified.

Relation to code smells is missing.

Use Case Diagram and Description Review

Martim Gouveia 57482

Reviewer - Bernardo Reis - 57802

Review on Use case diagram and Use case descriptions made by Martim Gouveia 57482

The Use case diagram is well structured and divided.

The Use case descriptions referring to the diagram are all coherent and well made.

Briefly every part made in the Use case is well done

Pedro Lourenço 57577 -Reviews

code smell 1

Reviwer - Bernardo Reis - 57802

Review of Data Class - Code smells element 1 made by Pedro Lourenço 57577

This code smell is well identified, it has all the necessary sections for a good identification of the code smell(Code Snippet, Code location, Justification and refactoring proposal).

The refactoring proposal description is well explained, and it is appropriate for the problem.

code smell 2

Reviewed by Martim Gouveia 57482

Review of code_smells_element2

I believe the divergent class code smell is referring to large class that is doing too many tasks and should be split up into multiple smaller classes.

There is a code smell present in the code, but it looks more like a lazy class code smell or a speculative generality code smell.

code smell 3

Reviwer - Pedro Caldeirão - 57945

Review of code_smell_element 3

The code smell is well identified.

There's only two things to mention, a typo in the code location section, as it should be following not folloying and specify

what's the purpose of the smaller object factories, eventhough in this case it's implicit that it would take off some responsabilities

in the Object factory class.

pattern 1

Reviewer - Pedro Caldeirão - 57945

Review of design pattern 1 (Template method)

The design pattern is well identified, nothing else to add.

pattern 2

Review by Pedro Perdigão - 58165

UML structure diagram is missing.

Missing a "to" in the justification section ("Then, we use it TO create all kinds of JAXElement< Text>.").

pattern 3

Review by Bernardo Reis - 57802

Review of Strategy Pattern - Patterns element 3 made by Pedro Lourenço 57577.

This pattern is well identified, the code snippet it is easy to understand. This element has all the necessary sections for a good pattern identification.

The justification is sufficient to understand the identification of this pattern.

Metrics

Review by Pedro Perdigão - 58165

Collect data metrics and potencial code smells well identified, although the explanation of Dcy and Dpt metrics should be improved.

Use Case diagram

Review by Pedro Perdigão - 58165

The use case diagram is well made and defined.

The description, the use case with ID 0 shoulf not exist.

Review of Code Smell 1

Reviewer - Pedro Caldeirão - 57945

Crawler is not a method, is a constructor.

Missing exact code refactorization.

Review of Code Smell 2

Review by Pedro Lourenço 57577

The code smell is well identified and there is nothing to add. The refactoring proposal is appropriate.

Review of Code Smell 3

Review by Pedro Perdigão - 58165

The code smell is well identified and well explain, although the refactoring proposal should

include a code section, exemplifying what should be done.

Review of Patterns Element 1

Review by Pedro Perdigão - 58165

Justification section is missing.

In DatabaseCitationKeyPattern subclass, method getLastLevelCitationKeyPattern(EntryType entryType) is missing.

Review of Patterns Element 2

Reviewed by Martim Gouveia 57482

Review of patterns_element2

The pattern is well identified.

Review of Patterns Element 3

Review by Pedro Caldeirão - 57945

The pattern is well identified.

Nothing else to add.

Review of metrics

Review by Martim Gouveia - 57482

Collected metrics and potential problems are well identified.

Possible code smells related to the metrics are also mentioned.

Review of Use case diagram

Reviewer - Pedro Caldeirão - 57945

The use case diagram is well made.

The use case descriptions are correct.

Nothing else to add.

Pedro Perdigão – 58165

Review of Code Smell 1

Reviwer - Bernardo Reis - 57802

Review of Primitive obsession - Code smells element 1 made by Pedro Perdigão 58165

This code smell is well identified, it has a good introduction and code snippet. The refactoring proposal is appropriate.

The justification is enough to explain the code smell.

Review of Code Smell 2

Reviewed by Martim Gouveia 57482

Review of code_smells_element2

The code smell is well identified.

Review of Code Smell 3

Reviwer - Bernardo Reis - 57802

Review of Duplicated code - Code smells element 3 made by Pedro Perdigão 58165

This code smell is well identified, it has a good justification and the refactoring proposal is appropriate for the problem.

The only thing to mention, is the code snippet it's well explained but could have a little code example.

Review of Pattern 1

Review by Pedro Lourenço 57577

The pattern is well identified. The only thing that could be corrected is in the section

"Justification" (line 1). It should be "EXTRENALFileTypes" and not "EXTRENAKFileTypes".

Review of Pattern 2

Reviwer - Bernardo Reis - 57802

Review of Strategy Pattern - Pattern element 2 made by Pedro Perdigão 58165

This pattern is well identified, all the sections are well explained.

The justification is sufficient to understand the identification of this pattern.

Review of Pattern 3

Reviewed by Martim Gouveia 57482

Review of patterns_element3

The pattern is well identified.

Review of Metrics

Reviwer - Bernardo Reis - 57802

Review of Lines of Code metrics- Metrics set element 1 made by Pedro Perdigão 58165

Collected data and the explanation of the three metrics is presented.

The brief explanation in the introduction is well explained and all the metrics are presented.

Pedro presented a good explanation on using metrics to find code smells and a good interconnection of these same metrics with the code smells found by co-workers.

Review of Use Case Diagram

Review by Pedro Lourenço 57577

The use case is well identified and summarized.

Metrics review

Review by Pedro Lourenço 57577

The data file with collected metrics is missing.

The report explain the collected metrics and the potencial problems are identified.

The relations between metrics and code smells aren't identified.

Review by Pedro Pedrigão - 58165

Review of code_smells_element 1

The code smell is well identified and explained.

The only thing wrong is the number of paramenters, thats 9 intead of 10 and 11(like is said in the justification section and refactoring proposal section, respectively).

Reviewed by Martim Gouveia 57482

Review of code_smells_element2

The code smell is well identified, but there's a small typo on the first line of the refactoring proposal "an" instead of "na".

Review of code smell element 3

Review by Pedro Lourenço 57577

The code smell is well identified and the refractoring proposal is good.

The only problem is that the class to be identified is "MainTableNameFormatPreferences" and

not "MainTableFormatPreferences" as is said in the source path.

Review of patterns_element1

Reviewed by Martim Gouveia 57482

The pattern is well identified but the source path is missing.

There are also a few typos on the justification and a blank page at the end.

Review of patterns_element2

Review by Pedro Lourenço 57577

The pattern is well identified.

However, the source path should've been indicated.

In the beggining of the text could've been written a small explanation about this pattern.

Review of patterns_element 3

Review by Pedro Perdigão - 58165

UML structure diagram is missing.

Should indicate the source path.

In the section "Code Location" is only identified the method that notifies/updates the observers, missing the variable that stores the collection of observers,

the methods that add and remove observers, and the observer class.

Use case descriptions review

Reviewer - Martim Gouveia 57482

The Use case diagram is well structured and divided.

The Use case descriptions are all coherent and do a good job of describing the diagram.