PowerEnJoy
Software Engineering II

Code Inspection

Giovanni Scotti, Marco Trabucchi

Document version: 1
January 9, 2017

Contents

Section 1

Code Description

1.1   Assigned Classes

The assigned class is the following:

- `ModelDataFileReader.java`

The class is located in the `org.orbiz.datafile` package of the Apache OF-Biz project.

1.2   Functional Role of Classes

This chapter contains the result of the code inspection carried out on the assigned class and its methods. All the points of the given checklist [2] have been checked.

1.3   Notation

The following notations have been used to draw up this document:

- A specific line of code is referred as follows: **L**.123

- Specific items of the code inspection checklist [2] are referred as follows: **C1**, **C2**, ... **Cn**

- An interval of lines of code is referred as follows: **L**.123-**L**.456

1.4 Issues

1.4.1 ModelDataFileReader Class

1. **C18.** Comments are NOT used to adequately explain what the class, blocks of code and methods do except for the following methods:

   - `getDataFilesNames()`
   - `getDataFileNamesIterator()`
   - `getModelDataFile(String dataFileName)`

   Moreover the provided JavaDoc is very limited.

2. **C40** No object is compared to another one. There are only objects compared to `null` by using the "==" operator correctly.

C42 The following lines contain log error messages that do not provide guidance or hints on how to correct the problem at all: **L.**102, **L.**115, **L.**129-130, **L.**136-137, **L.**142-143, **L.**158-159.

Appendix A

Appendix

A.1   Software and tools used

- LaTeX, used as typesetting system to build this document.

- draw.io - `https://www.draw.io` - used to draw diagrams and mock-ups.

- GitHub - `https://github.com` - used to manage the different versions of the document and to make the distributed work much easier.

- GitHub Desktop, the GitHub official application that offers a seamless way to contribute to projects.

A.2   Hours of work

The absolute major part of the document was produced in group work. The approximate number of hours of work for each member of the group is the following:

- Giovanni Scotti:

- Marco Trabucchi:

NOTE: indicated hours include the time spent in group work.

Bibliography

[1] AA 2016/2017 Software Engineering 2 - *Project goal, schedule and rules*

[2] AA 2016/2017 Software Engineering 2 - *Code Inspection Assignment - Task Description*

[3] OFBiz - *Apache OFBiz Documentation*