Politecnico di Milano

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Software Engineering 2: "PowerEnJoy"

Code Inspection Document

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Contents

1 Assigned Class

apache-ofbiz-16.11.01/framework/service/src/main/java/org/apache/ofbiz/service/job/JobManager.java

2 Functional Role

```
1
2   /**
3    * Job manager. The job manager queues and manages jobs. Client
          code can queue a job to be run immediately
4    * by calling the runJob({@link #runJob(Job)}) method, or schedule
          a job to be run later by calling the
5    * {@link #schedule(String, String, String, Map, long, int, int,
          int, long, int)} method.
6    * Scheduled jobs are persisted in the JobSandbox entity.
7    * <p>A scheduled job's start time is an approximation - the
          actual start time will depend
8    * on the job manager/job poller configuration (poll interval) and
           the load on the server.
9    * Scheduled jobs might be rescheduled if the server is busy.
          Therefore, applications
10   * requiring a precise job start time should use a different
          mechanism to schedule the job.</p>
11   */
```

3 List of Issues

3.1 Naming Conventions

1. Meaningful Names

mi sembra che siano tutti buoni

2. One-character variables Ok. There are no one-character variables.

3. Class names Ok. Every class name is in mixed case and properly capitalized.

4. Interface names Ok. No interfaces are declared. (se ce ne sono) every interface used by the code is in mixed case and properly capitalized.

5. Method names   Ok. Every method name is a verb. Every method name is camelCase and properly capitalized.

6. Class variables   Ok. Every class variable is in mixed case and properly capitalized.

7. Constants   Ok. There are no constants. Ma alcuni potrebbero dire di no, ci sono delle variabili static final all'inizio.

3.2   Indentation

8. Number of spaces   Ok. The code is consistently indented with 4 spaces.

9. No tabs for indentation   Ok. No tabs are used to indent the code.

3.3   Braces

10. Consistent bracing style   Ok. The code is consistently braced following the *"Kernighan and Ritchie"* style.

11. One-line statements bracing   NO "if" riga 326, 351, 354

3.4   File Organization

12. Blank lines as separation   Ok. Blank lines are present between each method, around imports and variable declarations. Most of the methods also begin with a Javadoc.

13. Where practical, line length under 80 characters   NOPE

14. Line length always under 120 characters   NEPPURE

3.5   Wrapping Lines

15. Line breaks after commas and operators

16. Higher-level breaks are used   ma quando?

17. Statements are aligned to previous ones

4 Other Problems

5 Effort Spent

- Pietro Ferretti: hours of work

- Nicole Gervasoni: hours of work

- Danilo Labanca: hours of work

6 Revisions

6.1 Changelog

- CID v1.0, published on February 5, 2017