

Revamping the `CallMonitor` Listener

Progress Report 2

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Goal

The listener `CallMonitor` of JPF prints for each method that is called

- the ID of the thread that executed the call,
- the depth of the stack,
- the name of the class,
- the name of the method, and
- its arguments.

Milestones

The class lacks documentation and some of the variable names are cryptic. The class also does not use JPF's reporting system. In this project, I plan to

1. document and clean up the code,
2. modify the class so that it makes use of JPF's reporting system,
3. develop JPF tests, and
4. describe how to use the listener.

Progress

As mentioned in the first progress report, milestones 1, 2 and 4 have already been achieved. Several JPF tests have been developed. These can be found in the class `CallMonitorTest` class that has been submitted with this report. Further tests will be developed. In particular,

- tests with nested method calls, and
- tests with multiple threads

will be developed in the final stage of the project.