**Metrics Tracking for JXI**

**Product Metrics**

* Test Cases / Method
  + This metric will help track the “coverage” of our code. It is a very crude measurement of code coverage but we will control quality through well-designed and well-written code and tests.
* Total Number of Tests
  + This metric will track the sheer volume of tested code in our system. Ideally, this number will be much greater than the number of methods we write.
* Methods / Class
  + This metric will help us ensure code quality. We will attempt to reduce the number of methods per class in order to keep code simple and readable.
* Reek (code smells)
  + This metric will keep track of how many code smells remain in our code during each release. This will help us track how well our code is written and designed.
* Saikuro (Cyclomatic Complexity)
  + This metric will focus on paths through our code. Based on the paths, it will assign a cyclomatic complexity score to each method, and will illuminate where inelegant code lies.
* Flog (Cyclomatic Complexity)
  + This metric also measures cycloamtic complexity, but uses an “ABC” (Assignment, Branching, Calls) calculation method. This metric will assign a score to each method, and an average score for the application. This slightly more in-depth look at the code will ensure we are not producing unnecessarily intricate code.

**Communication Metrics**

* Client Communications per Week
  + This will involve tracking the number of times that the client is contacted (via meetings, discussions, e-mail, etc.) about the project.

Unless otherwise stated, each metric will be tracked weekly via running “rake metrics:all” on the project.