**Research Report: Cucumber**

**Objective:** Determine whether Cucumber is a suitable testing tool for our project.

**Findings:** Cucumber is an open-source software testing tool. There are Cucumber implementations in a variety of different programming languages, including Java, Python, and Ruby. It uses the Gherkin language to define tests. Gherkin is easily readable and allows both programmers and non-programmers to define unambiguous tests.

**Pros**:

* Java implemention
* Used previously by some team members
* Free
* Simplifies behavior-driven development

**Cons**:

* Writing the “guts” of the tests can be time-consuming

**Conclusion**: Cucumber provides an adequate testing tool for our project. Tests in Cucumber are easy to define and can be written by any member of the team. Perhaps most importantly, an implementation is available in the language we wish to test (Java).