1. **Team Name:** 1337 haXX
2. **Team Leader for this deliverable:** Steven Karrmann
3. **Team Members:** John Polus, Alex Jacobs, Erik Rasmussen, Logan Brincks, Steven Karrmann
4. **Meetings:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time-date** | **Attendees** | **Agenda** | **Action Items (who will do what)** |
| 3/26/17 | Logan,  John | Initial test design and document organization | John: Updated group report and test plan.  Logan: Added first unit tests. |
| 3/27/17 | All | Complete test case plan and implementation. | John: Wrote unit tests.  Alex: Wrote test plan for integration tests.  Erik: Wrote unit tests.  Steven: Wrote unit tests.  Logan: Wrote test plan for unit tests |

1. **Weekly Time Logs:**

|  |  |  |
| --- | --- | --- |
| **Person** | **Total Time in minutes** | **Tasks** |
| Alex Jacobs | 161 | Wrote test plan for integration tests.  Worked on group report. |
| Erik Rasmussen | 98 | Wrote unit tests. |
| Logan Brincks | 174 | Wrote test plan for unite tests.  Worked on group report. |
| John Polus | 100 | Wrote unit tests. |
| Steven Karrmann | 158 | Wrote unit tests.  Worked on Integration tests. |
| **Total Time:** | 691 | - |

1. **Issues:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Issue Number** | **Discovery Date** | **Resolution Date ( Est. – Act. )** | **Responsible Person** | **Description ( Prob / Resolution )** |
| - | - | - | - | - |

1. **Files and their locations:**

|  |  |  |
| --- | --- | --- |
| **Filename** | **Location** | **Contents** |
| Group Report.docx | \2\_ReengineeringProject\Test Design\ | Group report for project phase. |
| Test Design Plan.docx | \2\_ReengineeringProject\Test Design\ | Test case plan |
| BoundingBoxTest.java | \2\_ReengineeringProject\Test Design\Nibbles Project\Nibbles.BAS\test\nibbles | Unit test |
| NibblesTest.java | \2\_ReengineeringProject\Test Design\Nibbles Project\Nibbles.BAS\test\nibbles | Unit test |
| SnakeHeadTest.java | \2\_ReengineeringProject\Test Design\Nibbles Project\Nibbles.BAS\test\nibbles | Unit test |
| SnakePartTest.java | \2\_ReengineeringProject\Test Design\Nibbles Project\Nibbles.BAS\test\nibbles | Unit test |
| SnakeTest.java | \2\_ReengineeringProject\Test Design\Nibbles Project\Nibbles.BAS\test\nibbles | Unit test |
| SuiteNibblesBro.java | \2\_ReengineeringProject\Test Design\Nibbles Project\Nibbles.BAS\test\nibbles | Test Suite |

1. **Plans for Coming Week:**

The next phase of this project is alpha testing. With this in mind, we will begin the bulk code conversion from QBASIC to Java. With our test cases now fully designed and implemented, we will also update our source code to include our Unit Tests and all code written will be done so with these in mind.

It is important to keep in mind that because this is an alpha version, we do not expect to complete the entirety of code re-engineering. Instead, we will focus on creating a running alpha demo which will demonstrate core project functionality and pass all vital test cases.

1. **Comments:**

**Engineer 1:** Alex Jacobs

This phase is probably the most difficult phase to me. Test design is not only extremely important, but it requires quite a bit of foresight, detail, and work in order to create test cases that properly cover your requirements. It isn’t surprising why testing is so often outsourced to other parties. It is a very time-consuming process and no doubt expensive. Despite how often courses require test-driven-development, it still feels very alien to start writing tests before functional implementation. It seems like something that will take time to get used to.

**Engineer 2:** Logan Brincks

For this phase of our project our focus was on creating a test plan and designing both unit tests and integration tests for our program. In this phase we were able to implement planning before implementation of the code. This is a standard that we are not always used to but this process will show us a great example of performing this process. In working as a team we were able to begin to understand more fully the entire testing procedure for a reengineering project.

**Engineer 3:** Steven Karrmann

This deliverable was a great review of the TDD that was covered in previous courses. While testing isn’t always the most glamorous of jobs, this deliverable really drives home just how much it helps. After getting the tests working, we have a much better idea of how the code should operate and were we want to go with development of this project. We also found some design errors while designing tests that we plan on fixing.

**Engineer 4:** John Polus

During this phase of the project, our team needed to design and implement the test suite for Nibbles. I found this to be interesting, since testing is something that I have relatively little experience in. It is nice to have a project that you can completely understand, that way you can see which areas are the most important to test and most suitable for testing. While we didn’t do a perfect job, we can continue improving the suite as we go, so that it is really robust by the time we finish making a working alpha.

**Engineer 5:** Erik Rasmussen

This phase served to give me a better understanding of how we meet the requirements for an older system during reengineering. In addition, I have a much better understanding of TDD. It was something during my time at this school that I feel I was never able to fully practice. Reengineering was a perfect time to gain a new perspective on TDD. There are still some kinks to work out, but the general concept is becoming much clearer.