**Meeting Minutes**

**Date:** March 18, 2014

**Start Time:** 3:30pm

**End Time:** 6:00pm

**Members Present:** Drew Aaron, Michael Beaver, Clay Borden,

Chad Farley, Andrew Hamilton, and Travis Hunt

**Members Absent:** N/A

**Topics** **Discussed**

* Machine Op Table
* Individual Testing
* Frontend Development
* Backend Detailed Design
* Timetable
* User Manual

**Decisions and Actions Taken**

The machine op table will no longer be a hash table. Instead, it will be stored as an array and ordered alphabetically by the opcode. The array will be searched using a binary search algorithm. A hash table was unnecessary due to the constant size of the table. Hence, using an array with a binary search algorithm should be slightly more efficient in space and speed.

Every developer will be allowed to create their own test modules within the main project to perform their own testing without interference from other developers. The SQA will be responsible for mediating and maintaining the organization of these modules. The SQA will also be responsible for ensuring that testing is accurate and timely.

Andrew began compiling the machine op table in a spreadsheet. This spreadsheet will be used in the coding of the actual machine op table. It will also be used for verification purposes.

Chad supplemented the Translator Detailed Design developed by Travis and Michael. He clarified and improved the pseudocode. He also modified the overall Backend pseudocode to allow for improved interfacing with the Frontend user interface.

The team established a tenuous timetable. The Backend design should be finished after Spring Break or soon thereafter. See the attached timetable.

The Frontend team will begin formulating the basic User Manual since the Frontend user interface is nearing completion. This initial version of the User Manual will be used by both the Frontend and the Backend developers to integrate the parts. The User Manual will be continuously updated as the project nears completion.

The next meeting will be Thursday, March 20, 2014 at 3:30pm in the Commons building.

**Supplementary Information**

**Upcoming Timetable**

Started at beginning of Spring Break:

Data encapsulation

Translator

Machine Op Table

Error Detection

Over Spring Break:

Small, individual tasks

Tuesday after Spring Break:

Data encapsulation finished and working

Symbol Table working

Library started

Work on Processor and drivers (as Library nears completion)