**Meeting Minutes**

**Date:** January 21, 2014

**Start Time:** 7:25pm

**End Time:** 8:00pm

**Members Present:** Drew Aaron, Michael Beaver, Clay Boren, Chad Farley,

Andrew Hamilton, Travis Hunt, and Dr. Patricia Roden

**Members Absent:** N/A

**Topics** **Discussed**

* Client questions #1
* User Manual digital copy and hardcopy
* Backend development
* GUI mockups
* Dropbox redundancy for GitHub

**Decisions and Actions Taken**

The team met with the client (Dr. Roden) to discuss and answer some preliminary questions. The questions and the client’s responses are attached.

Chad volunteered to assume responsibility for the development and the implementation of the online user manual. The online manual potentially will be represented similar to “man pages” by using an open-source software system, which will greatly simplify the implementation efforts and afford uniformity to the manual. Chad will notify us of the software’s name when he determines it. Travis volunteered to look into setting up a Team Foundation Server (for Visual Studio) for the team to use for the duration of the project. The Team Foundation Server should allow for version control, if GitHub proves unviable for this particular purpose.

Chad proposed that two people work on the constituent parts of the assembler portion of the backend: the parser and the definitions. It may be the case that four people will work together on each assembler element, respectively. That is, two people will work together on each element (not necessarily under the “Pair Programming” principle). This will allow for the benefits afforded by Pair Programming, such as error-checking, without necessarily strictly adhering to the principle. Two team members may work in tandem, coding different parts of the same module, which will potentially increase throughput.

Clay volunteered to head the user manual compilation effort. He will be assisted by Michael during the process. Andrew put out the call for collecting previously written ASSIST/I programs (working and nonworking). Drew, Trevor, and Clay will be working on mockup GUI designs for the team to analyze at the next meeting. Chad will set up a Dropbox account for the team to use, in addition to the GitHub repository set up by Travis.

By next meeting everyone will need to be up to speed with GitHub, MARIE, and ASSIST/I. Next meeting we will need to be ready to discuss different programming language options to implement the system. Also, we will need to have a more in-depth discussion on different version control protocols. Topics for future discussion include: a more in-depth discussion on the user manual; CS 310 student testing; coding and documentation standards; and, documenting and describing CASE tools.

**Supplementary Information**

**Questions answered by the client:**

1. How much of the instruction set is to be included? Is it to be the entire set or a subset?

**Drew Aaron:** A given subset. Great deal of RR. Will give a complete list.

**Michael Beaver:** Subset specified by the client (a complete list).

**Clay Boren:** Subset.

**Chad Farley:** Subset that is to be given (complete list of included ASSIST/I).

**Andrew Hamilton:** Subset the client will give to us—mainly RR, RX, RS, BXLE, BXH, ZAP, etc.

**Travis Hunt:** It will be provided by the client.

1. Which specific features of MARIE are required or desired?

**DA:** Give a list to choose. Address later.

**MB:** Provide a list, and confer with the client at a later date. Screen caps are a nice touch.

**CB:** (no response)

**CF:** Moved to later meeting.

**AH:** Get a list for a later question date. The client will choose what she wants.

**TH:** Will address later.

1. What are your feelings concerning the use of open source software in the implementation?

**DA:** Yes, but must be well documented and completely legal.

**MB:** OSS is welcome—document usage in code and minutes. Be careful (code discrepancies, licenses, etc.).

**CB:** It’s okay to use, but be cautious.

**CF:** Open source is just fine (be careful and always document).

**AH:** Can use. Document in minutes and note copyright stuff. Be careful using, note compatibility, and the integrity of open-source code.

**TH:** It is allowed, but *document*!

1. What file extensions do you want to use?

**DA:** Propose a created file type for source. Keep .PRT.

**MB:** Propose file extensions and confer with the client at a later date. *The .PRT extension is required*.

**CB:** Propose a few.

**CF:** Specific file extension that is proposed at later date (.PRT as used in assembly).

**AH:** Propose an extension, and the client will approve. A .PRT file like ASSIST/I is required.

**TH:** We will propose, and the client will approve.

1. What file extensions need to be allowed for I/O operations (e.g., for opening source files)?

**DA:** Just the created type for in (see #4). PRT for out. Other types not required.

**MB:** No requirements—extensions for source code files will be agreed upon later. *Only required* extension is the main source extension (see #4).

**CB:** (no response)

**CF:** .TXT at minimum (no others! She said to keep it simple).

**AH:** Only have to have on extension (see #4). Others are not required.

**TH:** Can just stick with the type in #4.

1. Do you have any system name requirements (i.e., client-desired name)?

**DA:** Come up with some, and the client will come up with some.

**MB:** Come up with something, and we’ll decide next meeting.

**CB:** Propose some.

**CF:** To be discussed at a later date.

**AH:** Propose names.

**TH:** Compile a list and get them approved.

1. Do you want an “assemble” option which just assembles the source instead of just a “run” command that automatically runs the program?

**DA:** Yes.

**MB:** Yes—“Assemble” and “Assemble & Run” options.

**CB:** Yes.

**CF:** Yes, it should be an assembler with the “FINAL RUN” option.

**AH:** Yes. Act as assembler but not execute. Another option to assemble and run.

**TH:** Yes.

1. What about the “Final Run” option in the original ASSIST/I?

**DA:** Yes.

**MB:** Yes.

**CB:** Yes.

**CF:** See above.

**AH:** Implement final run—whatever that is.

**TH:** *Yes, needed*.

1. Which ASSIST/I options are necessary?

**DA:** See the more detailed project description. All unless no longer a problem.

**MB:** Yes—see project requirement doc. Default limit settings may be negotiable depending upon implementation issues, if they arise.

**CB:** Detailed in the [detailed] project description document.

**CF:** See Question 1 (Default settings *may change*).

**AH:** In the document. Do the max size options and stuff—all of them unless they are no longer a problem.

**TH:** In detailed requirements (all).

1. Are there any special features (not native to ASSIST/I) you would like, such as large block comments?

**DA:** No.

**MB:** No.

**CB:** No.

**CF:** No special features (keep it standard).

**AH:** Don’t change comment stuff. Just no.

**TH:** No.