

Team Avengers 68K Disassembler Progress Report

Date: April 23rd, 2020

To: CSS 422, Spring 2020

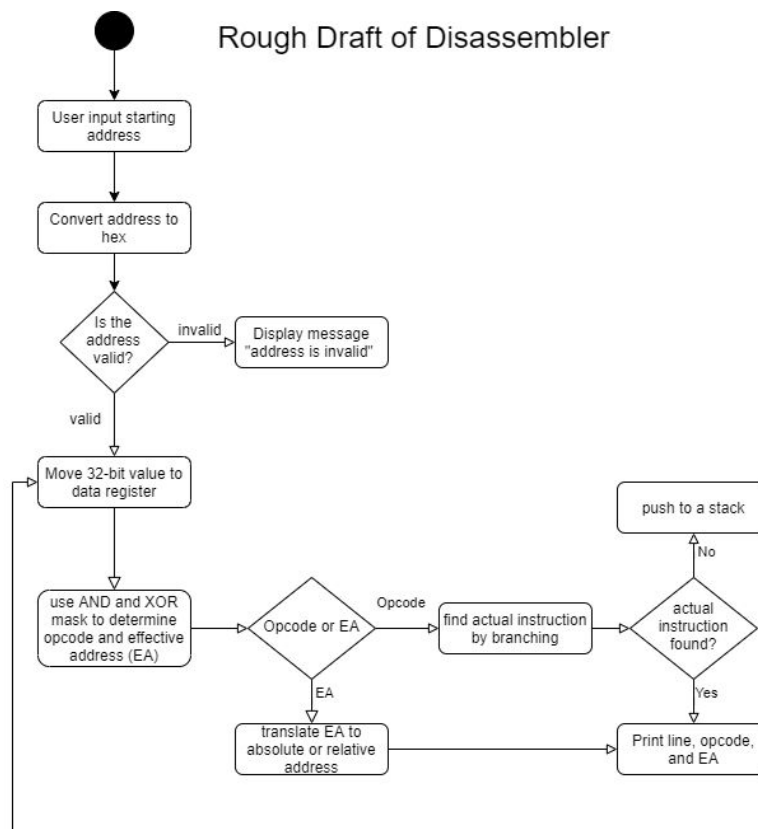
From: Group Avengers [Mohammed Ali, Dj Wadhwa, Tarcisius Hartanto]

Subject: 68k Disassembler Progress Report 1

Work Completed:

The first thing we did was create a discord server we can all communicate in. The next thing we completed was creating a git repository for the project to be located. All of us are able to access the repository so we can code collaboratively. We set up ground rules that need to be mentioned in our discord group when pulling code from the repository to ensure that code is not overlapping and requires merging. We also require mentioning when the code is also pushed back into the Github repository. We picked project roles and split it into three parts. The first part I/O is being completed by Mohammed, Op-code which belongs to DJ, and lastly the effective addressing designated to Tarcisius.

We began looking at the 68K manual to reference opcodes with actual instructions and with the lecture that was given on April 23th used masks to read what each line of the assembled code states.



Problems:

Currently, the biggest problem we have is starting the project. We feel as if we have not gotten into the main parts of writing the assembly code. Our solution is to start with the I/O since we have learned about input and output already. After this, once we have set this up we can start the main part of this project. We also need to learn about how to load the program that is given that needs to be decoded so we can start the decoding process.

Another problem we have run into is understanding the decoding of the opcode and understanding the process of doing this. Lastly, the challenges involved in implementing effective addressing.

Work Scheduled:

1. Create more detailed models for processes involved in the project
2. Begin I/O portion
3. Implementation of opcode
4. Implementation of effective addressing
5. Merge all portions together
6. Testing and Debugging
7. Documentation
8. Create Presentation

Evaluation:

So far our progress has been up to par, we have discussed a lot of the important ground rules before beginning the project and some of the different processes that are involved. We need to start as soon as possible and this week we should be able to get a skeleton up and ready so we can all begin our sections.