

## **MEMORANDUM**

Date: November 22, 2020  
To: CSS 422, Autumn 2020  
From: Sean Miles, Luo Leng, Gabriel Acuna, Jayden Fullerton  
Subject: Team Progress Report 3

### **Work Completed**

- Created main file skeleton with I/O management and basic ASCII to Hex conversion
- Started on test file using given template, considering how we want to implement the tests
- Started and made progress on decoding JSR and RTS OpCodes
- Created flowchart of program logic as shown in Figure 2

### **Unfinished Work**

The team has started and delegated tasks in these tasks, awaiting completion:

- Design/Implement Tests
  - The team has considered the tests and how they should be implemented, test file has been started using the given template and will be used to implement further testing
- Decode NOP
  - The team has met and discussed conceptually on ideas of how to implement the decoding of NOP as well as other op-codes, needs actual implementation in Assembly now
- Decode other op-codes
  - The team has started on the JSR and RTS OpCodes, and we plan to continue this implementation after NOP, making up for lost time as stated in the problems section

The team has planned the following for future work to be completed:

- Decode EA modes
  - After completely finishing our first four opcode subroutines, the team is planning to start implementing the EA mode
- Testing/Debugging + Final Polishing
  - The team is still planning on using this time to test and debug, as well as to finish any tasks that are still uncompleted at this time
- Documentation and Peer Evaluations

- Once the program has reached an acceptable state and we are satisfied with the end result, we will write the documentation for the program and will evaluate ourselves and the team using the given grading sheets

### **Problems**

- Time conflicts with each-other's courses
- Major assignments and projects from other courses due this past week, planning to make up for lost time this coming week

### **Work Scheduled**

| <b>Task</b>                               | <b>Temporary Completion Date</b> |
|---|----------------------------------|
| Organize Team                             | Complete                         |
| Development Plan/Task Delegation          | Complete                         |
| Design/Implement Tests                    | In-Progress: 11/9/2020           |
| Design Skeleton for Proper I/O Management | Complete                         |
| Decode NOP                                | In-Progress: 11/16/2020          |
| Decode other op-codes                     | In-Progress: 11/23/2020          |
| Decode effective addressing modes         | 11/30/2020                       |
| Testing/Debugging + Final Polishing       | 12/7/2020                        |
| Personal Statements                       | 12/9/2020                        |

### **Evaluation**

All team members were able to meet and discuss the project, and we plan on continuing to do so this week as we make up for lost time. Schedules are freeing up and we do not have concerns about meeting the deadline. All team members contributed equally in work started and completed this week.

**Figure 1:** GitHub commit history since Team Progress Report 2

|  |                     |    |
|--|---------------------|----|
| Commits on Nov 22, 2020  |                     |    |
| Organized docs, added strings<br>seanmiles committed 44 minutes ago          | 2cc9748             | <> |
| Add files via upload ...<br>Luo-Leng committed 4 hours ago                   | Verified<br>de6930b | <> |
| Update RTS_SUB.X68<br>Luo-Leng committed 5 hours ago                         | Verified<br>1fae220 | <> |
| Update RTS_SUB.X68<br>Luo-Leng committed 5 hours ago                         | Verified<br>2ea8da1 | <> |
| Add files via upload ...<br>Luo-Leng committed 5 hours ago                   | Verified<br>0d8a7a0 | <> |
| Create .gitignore<br>seanmiles committed 5 hours ago                         | 302a30a             | <> |
| Fixed formatting, added test program file<br>seanmiles committed 5 hours ago | 4c7c668             | <> |
| Commits on Nov 18, 2020  |                     |    |
| Added Input Support (kind of) ...<br>jaydenbf committed 4 days ago           | 5c9581f             | <> |

**Figure 2:** Detailed flowchart of program logic

