## **MEMORANDUM**

Date: November 8, 2020 To: CSS 422, Autumn 2020

From: Sean Miles, Luo Leng, Gabriel Acuna, Jayden Fullerton

Subject: Team Progress Report 2

# **Work Completed**

- Meet to discuss and set expectations and team values

- Developed plan and delegated tasks for future of the project

- Created table connecting machine code to opcode

- Created flowchart to determine what command is being issued

## **Problems**

- Personal time conflicts

- Time conflict with each-other's courses

# **Work Scheduled**

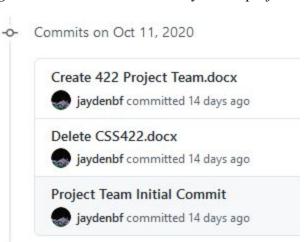
Task	Temporary Completion Date
Organize Team	Complete
Development Plan/Task Delegation	Complete
Design/Implement Tests	11/9/2020
Design Skeleton for Proper I/O Management	11/12/2020
Decode NOP	11/16/2020
Decode other op-codes	11/23/2020
Decode effective addressing modes	11/30/2020
Testing/Debugging +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

# **Evaluation**

Have not started coding yet, only commits are putting the initial project team submission into GitHub (commits shown in Figure 1).

Each team member has xxx

Figure 1: Github Commit history of our project



**Figure 2:** Table showing opcodes and their connected machine code instructions from the manual

NOP	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
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ADD	45	4.4	42	12	44	10	9	0	7	6	_	4	2	2	4	0	
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	32-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = \$FF																
JSR	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
	0	1	0	0	1	1	1	0	1	0	EFFECTIVE ADDRESS MODE REGISTER						
RTS	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
KIB	0	1	0	0	1	1	1	0	0	1	1	1	0	1	0	1	
BRA	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
	0	1	1	0	0	0	0	0			8-BIT DISPLACEMENT						
		16-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = \$00															
		32-BIT DISPLACEMENT IF 8-BIT DISPLACEMENT = \$FF															

<sup>\*8</sup>th bit modified because we will always be shifting in a specified direction

<sup>\*\*</sup>EA means LEA? I couldn't find EA in the manual

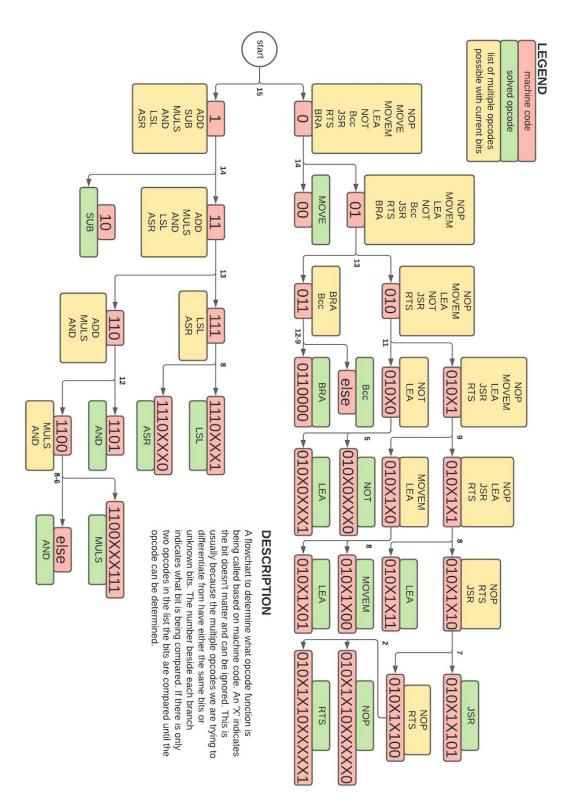


Figure 3: Flowchart for determining what command is being used based on machine code.