422 - Hardware & Organization

Progress Report #1

**Smart Cafe**

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## Ground Rules:

* If you are stuck, seek help from group members or professor
* Follow the deadlines for the team so we don’t fall behind
* Make it to all group meetings and communicate ahead of time if you can’t make it
* Keep track of your specific responsibilities; make sure you are putting in enough work to stay on track
* To hold each other accountable, we have established that we will be comfortable calling each other out when we feel that a member is not pulling their weight.

## Schedules/Meetings:

Tuesdays from 3:30-5:30 meet on discord and work together/update each other on what we are doing. Meet on Thursdays for 20-30 minutes to finalize the plan to turn in progress reports on every other Thursday.

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| **Instructions:** | | **Addressing Modes:** |
| 1. NOP 2. MOVE 3. MOVEM 4. ADD 5. SUB 6. MULS 7. DIVU 8. LEA 9. AND 10. NOT 11. LSL | 1. LSR 2. ASL 3. ASR 4. Bcc 5. BLT 6. BGE 7. BEQ 8. JSR 9. RTS 10. BRA | 1. Data Register Direct 2. Address Register Direct 3. Address Register Indirect 4. Immediate Addressing 5. Address Register Indirect with Post Incrementing 6. Address Register Indirect with Pre Decrementing 7. Absolute Long Address 8. Absolute Word Address |

## Next Progress Report:

* I/O routines written; other APIs documented in code, but empty preliminary tests written
* Scan the test file (Test.X68) and write out the raw hex
* Disassemble simple instructions: NOP, JSR, etc

## Future Progress Reports:

1. Disassemble more instructions (agree list in advance) (Progress report #3)
2. Handle addressing modes (next three) (Progress report #3)
3. Error handling (Progress report #3)
4. Remaining instructions & addressing modes (eg: MOVEM) (Progress report #4)
5. Check against Test (Progress report #4)
6. Gather final report (Progress report #4)