Senior Design Bi-Weekly Status Report; Fall 2023

Team Name: sdmay24-14
Team Members: Daryl Damman, Gavin Tersteeg, Logan Lee, Braxton Rokos, Grant Nordling
Report Period: Sept 11-Oct 9

Summary of Progress in this Period

We had two TA, Team, and Client meetings of each kind during this period. We have built one prototype of our 2-to-2 bus MUX and a testing board. We have also started designing and building our clock and Program Counter. We have put in two orders for parts. Our part orders came in recently. We have also investigated three possible methods for creating a boot sequence for the CPU. One of them still needs to be chosen. We are also creating a schedule and timeline for the project.

Pending Issues
- We need to standardize our direction of breadboard, wire color, LED color, and ribbon cable pinout.
- We need to decide on a boot sequence design.
- We need to start building the circuits as fast and accurately as possible.
- We need to start making schematics of the circuits we are building that differ from the original i281 computer.

Plans for the Upcoming Reporting Period

The Program Counter should be prototyped and working. We should also have started implementing the clock. We should be able to start implementing the new parts much faster. We have more parts that we will get an order for. Some schematics should be started, and those who have not worked with KiCad prior should have started getting familiar with it.