

EE/CprE/SE 491 WEEKLY REPORT 4

10/3/24 – 10/10/24

Group number: sdmay25-31

Project title: i281

Client & Advisor: Prof. Alexander Stoytchev

Team Members:

Ethan Uhrich - Team Lead & Treasurer

Ariana Dirksen - Editor & Note Taker

Tessa Morgan - Task Manager & Webmaster

Gigi Harrabi - Client Interaction & Outreach Coordinator

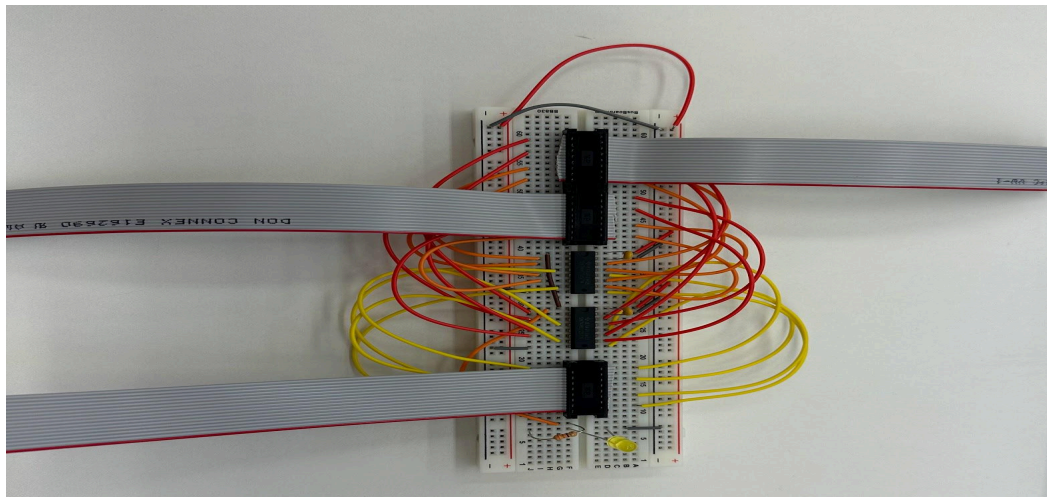
Weekly Summary

This week we focused on finishing the MUX breadboard mockups and began mapping out the lab documentation and what requirements students completing the lab will be expected to meet. In addition we started on the PC breadboard mockups.

Past Week Accomplishments

Ethan Uhrich: Finished implementing Mux Prototype, Started on PC Prototype

Ariana Dirksen: Finished implementing the MUX prototype with Ethan. Started the lab documentation for the MUX lab. Started PC prototype.



Tessa Morgan: Finished implementing MUX prototype on breadboard as well as a breadboard simulator. Sourced a camera and lighting set up to start taking pictures next week.

Gigi Harrabi: Finished implementing the MUX on the breadboard and looked into some potential PC resources

Individual Contributions

| NAME | Individual Contributions (Quick list of contributions. This should be short.) | Hours this week | HOURS cumulative |
|----------------|--|-----------------|------------------|
| Ethan Uhrich | Finished Mux prototype, started PC prototype | 3 | 19 |
| Ariana Dirksen | Finished MUX prototype, started MUX documentation and begun PC prototype | 5 | 22 |
| Tessa Morgan | Finished MUX prototype and modeled on a simulator. Sourced camera. | 4 | 20 |
| Gigi Harrabi | Contacted and circled back with more outreach organizers and finished mux | 4 | 16 |

Plans for the Upcoming Week

Ethan Uhrich: Continue working on PC prototype, Test Mux Prototype with i281e board.

Ariana Dirksen: Continue working on PC prototype, continue working on Mux documentation and start PC documentation.

Tessa Morgan: Finish PC prototype and model on simulator. Start taking pictures of MUX.

Gigi Harrabi: working on a PC prototype and will work on clarifying what we actually need out of the outreach event since there are still some unclear goals, as discussed during the meeting with Dr. Fila

Summary of Weekly Advisor Meeting

No meeting with the advisor but the team has met with Dr. Fila regarding concerns of the design element from the TA. We concluded that it is best to bring this concern to the advisor's attention and in the next meeting