EE/CprE/SE 491 WEEKLY REPORT 10

11/15/24 – 11/21/24
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 rough drafting the PC lab. In addition we split our focus on developing labs 1 and one of our software/hardware integration labs using an EEPROM and seven segment display. As we had a lot to get done Ethan and Ariana focused on Lab 1 and the bulk of the PC rough draft. While Tessa and Gigi focused on the new lab. Additionally labs we will be required to create answer keys and grading rubrics for labs.

Past Week Accomplishments

Ethan Uhrich: Continued Work on Lab 1, continued debugging PC with debouncer
Ariana Dirksen: Adjusted Lab 1 with a design pivot. Finished rough draft for Lab 1. Worked on the PC rough draft.
Tessa Morgan: Got additional feedback from clients about the PC design and implemented that. Attempted to program EEPROM and download programmer software.
Gigi Harrabi: Worked on some of lab 1 rough draft and working on EEPROM lab.

Pending Issues

Ethan Uhrich: Had to order parts that were expected to already be in stock. Debouncer made by ETG has issues when plugged into the CLK of the PC.
Ariana Dirksen: We are working on getting access to the Lab 1 materials.
Tessa Morgan: Programmer software is not Mac compatible and crashes Parallels on my machine. Emailed ETG about installing software (needs admin privileges) on a school machine.
Gigi Harrabi:

Individual Contributions

NAME	Individual Contributions (Quick list of contributions. This should be short.)	Hours this week	HOURS cumulative
Ethan Uhrich	Continued Work on lab1, debugging debouncer for PC lab	6	50
Ariana Dirksen	Adjusted Lab 1 with a design pivot. Finished rough draft for Lab 1. Worked on the PC rough draft.	6	58
Tessa Morgan	Got additional feedback from clients about the PC design and implemented that. Attempted to program EEPROM and download programmer software.	6	53
Gigi Harrabi	Worked on some of lab 1 rough draft and working on EEPROM lab	6	48

Plans for the Upcoming Week

Ethan Uhrich: Finish assigned Parts of PC and Lab 1, finish debugging debouncer w/ PC.
Ariana Dirksen: Finish PC rough draft, if the Lab 1 material is solved, implement and test Lab 1 implementation. Make any adjustments to Lab 1 documentation needed.
Tessa Morgan: If the software issue is resolved, hopefully work on that. Work on final presentation, complete PC lab rough draft.
Gigi Harrabi: Working in the EEPROM lab.

Summary of Weekly Advisor Meeting

- Circuit Check - Redesigned PC, Transient Issue
    - Trace your Carries
    - Switch Debouncing
- Lab 1 Design Edits
- MUX Write-up Updates