

# SE/EE/CPR E/CYB E 492 – Spring 2024

## PrairieLearn Senior Design Team

### Week 16 Report

March 8 - March 22

Faculty Advisors: Phillip Jones

#### Team Members:

Chris Costa - Auto-Drawing

Matt Graham - Emulator

Mitch Hudson - Technical Lead, ARM Assembly Auto Grading

Carter Murawski - Note Taker, Emulator

Tyler Weberski - Project Manager, Auto-Drawing

Andrew Winters - ARM Assembly Auto Grading

#### Summary for Progress this Week

- Completed midterm peer review assignment
- Reviewed homework 12

#### Past Week Accomplishments

- Completed Midterm Peer Review class assignment
- Addressed emulator comments from the previous meeting
  - UARTSR/UARTECR (missing)
    - RP2040 does have this register
    - The developers of the emulator chose not to implement it.
  - UARTLCRH vs UARTLCR\_H
    - Both are the line-control registers that serialize parameters (data length, stop bits, and parity)
  - UARTCTL vs UARTTCCR
    - Control register on both TM4 and RP2040
  - UARTIM vs UARTIMSC
    - Interrupt Mask register for both.
  - UARTCC (missing)
    - TM4 Clock configuration
    - There does not appear to be a clock register in the UART for the RP2040
- Reviewed homework 10
- HW 12 finished - waiting on peer review

#### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Chris Costa	Worked on and completed the midterm peer review for class, worked on homework 5 question 1 and started fixing homework 9	5	90

Matt Graham	Completed midterm peer review assignment, reviewed homework 12, looked more into emulator	5	93
Mitch Hudson	Finished midterm peer review, responded to some feedback for hw 12, waiting on peer reviews for 10-12	3	217
Carter Murawski	Finished the midterm peer review recording and looked into the emulator.	5	82
Tyler Weberski	Worked on midterm peer review, as well as overlooked GPIO code and started implementing with HW5 Q2, starting to write own question code	4	86
Andrew Winters	did the midterm peer review, I am traveling with the men's basketball team as a part of the Pep band so I won't be at the meeting this week and potentially future meeting	3	77

### Comments and Extended Discussion

- Last week was spring break, no work was required over spring break
- We need to know the point values for questions / homeworks, but after that and peer reviews, all of the homeworks are going to be completed it seems

### Plans for Coming Week

- Need to discuss work for some team members, looks like a lot of the work is done except the emulator and drawing homeworks. What does the professor want us to focus on next once these are done?
- Jones said that some TAs have started looking at the peer review stuff, yet we can't see those in the TA folder. Is there a specific place we need to look?

### Summary of Weekly Advisor Meeting

- There was no advisor meeting last week during spring break