CPRE 491 -May20-04

CPRE 288 Embedded Systems Platform Movement and Code Optimization

Week 3 and 4 Report

September 29th – October 13

Client: ISU 288 Dr. Jones and Rover. Matthew

Team Members:

Jacob Aspinall – Team communication leader

Geonhee Cho – Report manager

Issac Klein – Note taker

Jisoo Han – Team Git master

Sam Rai – Team web master

Nathan Nordling – Team data manager

Weekly Summary

We met the advisor at week 3 and 4 to talk about what we are working on it. Individual team members working with specific issues now.

Past Week Accomplishments

Jacob Aspinall
- Worked on Design Document v1
- Created a simulation of the Ping sensor by wiring 2 launchpads together
- currently no way to change the distance given, need to add a UART connection for control messages.

Geonhee Cho

DSS work

- Worked with DSS set up & JavaScript

Review lab 6

- Review the 288 lab 6 using datasheet. And Redo setting up the ADC ports and pins.

Look into LCD.c issues and try to fix with test cases

Jisoo Han

GIT Repo Permission

- Assign people in the same repo have different level of permission to access each folder. who should be included on the new repository and what level of permission they should have?

Review lab 6

- Review the 288 lab 6 using datasheet. And Redo setting up the ADC ports and pins.

Sam Rai

- Similarly, last weeks we all reviewed lab 6 and try to understand the IR sensor, but this week I worked on the issue that has with IR sensor.
- The issue has not been resolved yet, but I'm still work on it.

Issac Kleinsd

- Timer running with GPIO and started running tests through the oscilloscope
- Using pin b3 i had it flip on and off using wait mills timer function. Then recorded images of oscilloscope

Nathan Nordling

- Updated references in git repository
- Cleared a large amount of build errors in the repo.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Jacob Aspinall	Design Document, Ping sensor simulation	14	28
Geonhee Cho	DSS work, test LCD.c issue work	12	25
Jisoo Han	Git repo work, lab 6 review	12	25
Sam Rai	Similarly, last weeks we all reviewed lab 6 and try to understand the IR sensor	12	24
Issac Klein	Worked with timer running with GPIO and running tests through the oscilloscope	12	24
Nathan Nordling	Updated references, fixed build errors in current code	12	24

Plans for Coming Week

Jacob Aspinall
- finish Ping sensor simulation and Lab7 unit tests

Geonhee Cho

- Continue to deep into make LCD.c issues test
- Make sure to set up DSS work

Jisoo Han

- Organization GIT repo. It will be getting rid of things we do not need in repo.
- Also branching the new repo to hold both 288 and 488 code.

Sam Rai

- Work with lab 6 and try to understand the IR sensor, but next week I worked on the issue that has with IR sensor

Issac Klein

- Plan to continue to make test cases in a similar manner for all the timer methods

Nathan Nordling

- Review more of lab 7 issues,
- Create spreadsheets for data compilation, finish fixing build errors

Summer of weekly adviser meeting

The advisor, Matt said that our team needs to come up with a standardized way of doing our documentation. Whether that be on our GitLab wiki, word docs, latex, or something else. Because we need to document all our tests, data such as graphs oscilloscope traces, datasets, etc.