CPRE 491 -May20-04

CPRE 288 Embedded Systems Platform Movement and Code Optimization

Week 9 and week 11 Report

 November 17 December 7

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 made a small presentation and presented to advisor during the team meeting. We got several feedbacks and we are planning to prepare for the our actual presentation on next Friday (12/13/2020).

Past Week Accomplishments
Jacob Aspinall
- Design Document - helped finish
- Simulation Platform
   -Added tests for buttons
   -Helped Geonhee connect the simulation platform with his automation scripts + gitlab CI
- Helping teammates
   -Helped Sam with IR sensor tests
   -Helped Geonhee with CI tools

Geonhee Cho
- Revise the DSS batch script
- Modified some team website
- Added some design documentation
- Set up the GitRunner at team GitLab repository
- Set CI/CD at team repository
- CI/CD work
   - Set up the yml file at GitLab
   - Make it runnable with script that wrote at DSS batch script.

Jisoo Han
- Review and practice the submodules
- Test if it is possible to set different permission on each folder.
- Test if it is possible to clone single file in repo.
- Created two repositories, one for group+TA's and one for 288 students. it has to use submodule.

Sam Rai
- As per the datasheet and lab manual I checked the all lab #6 codes.
- Using the code composer studio, I tested the lab 6 codes.
- Using the oscilloscope, I collected the data such as voltage that is coming from IR sensor, and related to that quantized values.

Issac Kleinsd
- Expanded the "timertest" file to not only test wait "ms" and wait us by using GPIO pin to test with an oscilloscope.
- Wrote test cases to "utilize" get "ms". To write tests to record time passed by test.
- Adjusted the testbench to be very easily customizable to any user timer pause
- Devised a plan to write unit tests to find the accuracy of pause and resume as wells as the get micros and millis based on real time

Nathan Nordling
- wrote manual uart tests

Individual contributions with 2 weeks

Team Member	Contribution	Weekly H	Total H
Jacob Aspinall	Helping teammates	16	82
Geonhee Cho	Set up Git-runner at repository and worked with CI/CD	14	72
Jisoo Han	Git repository work	12	69
Sam Rai	As per the datasheet and lab manual I checked the all lab #6 codes	12	67
Issac Klein	Timer test with made testbench	12	65
Nathan Nordling	uart unit tests written	12	66

Plans for next week
We will prepare for team presentation during next week. Done for first semester, and prepare for second semester for senior design.

Summer of weekly adviser meeting
From this week, we got many advices for the team presentation. We need to add more details or some more information for our team presentation. Also, if we got the questions and could not answer it, just be honest to say we do not know or ask for some advice.