Murfin ECEN3753 Week 2 Project Standing Statement

This week I attempted items 2, 3, and 4 from my scoped work list. I partially completed 2 (gain understanding of LCD graphics display), by reading the “glib” documentation from SiLabs and looking through example code. Unfortunately I need to get some help on how to set up the project because I am having library/compile errors. For item 3, I prepared a solid base of the project, by adding most of the functional code including tasks, functions, OS objects etc. Note that I decided to use a message queue instead of a semaphore for my GPIO ISR to communicate with the LED0 & Button Handler Task. This is because it allows the ISR to send either btn0 or btn1 message in a pre-made FIFO format. This change is reflected in my new task diagram. For item 4, I implemented or partially implemented my 10 unit tests. See my unit testing plan to see how they have changed from my original plan.

I have completed ~28% of my scoped work (12.97hr/46.5hr) in ALMOST EXACTLY THE TIME I HAD EXPECTED IT WOULD TAKE. That’s cool, but interestingly I was pretty far off in each of my individual effort estimates, but the total time still came out the same!