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Real Time Operating Systems

Spring 2021

Week 2 Report

This week I decided to sit down and work through the whole project to completion. I started by using the space invaders demo and adjusted values and added code as needed. I coded the physics and the display to be able to see the pendulum on the screen. I created the unit tests and everything looks good on my end. I am 100% done with the project.

In-Scope work items

Physics Model (Pendulum) - Complete

Unit Test – LED1 lights up and resets after game

LCD task - Complete

Unit test – game displays on the lcd screen

Force gain task - Complete

Unit test – pressing button increases gain and changes the flashing time on LED0

Mobile Base Task - Complete

Unit test – slider moves the base

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| Item | P | I | Risk | Recognized | Mit/Res | ROAM | How |
| Gecko not working | 3 | 20 | 120 | 4-21-21 | Res | Resolved | Tested and made sure it works |
| Computer dies | 1 | 100 | 100 | 4-21-21 | Mit | Accepted | Brand new computer shouldn’t die |
| Get called into work | 13 | 30 | 390 | 4-21-21 | Mit | Accepted | Coworker quit so the probability of getting called into work is pretty high, but I can work on the project while at work |
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