Project Week 1

Task Diagram:

Unit Testing:

Buttons

Slider

Timer

State — Interrupt

Slider Position

Btn ISR → EventFifo-Btn

Platform Direction Task

Post

Tao

Mutex

Semaphore

Platform Position (struct)

Pend

Path Task

Physics Task

Mutex

Post

Velocity Struct (struct setting appropriate values)
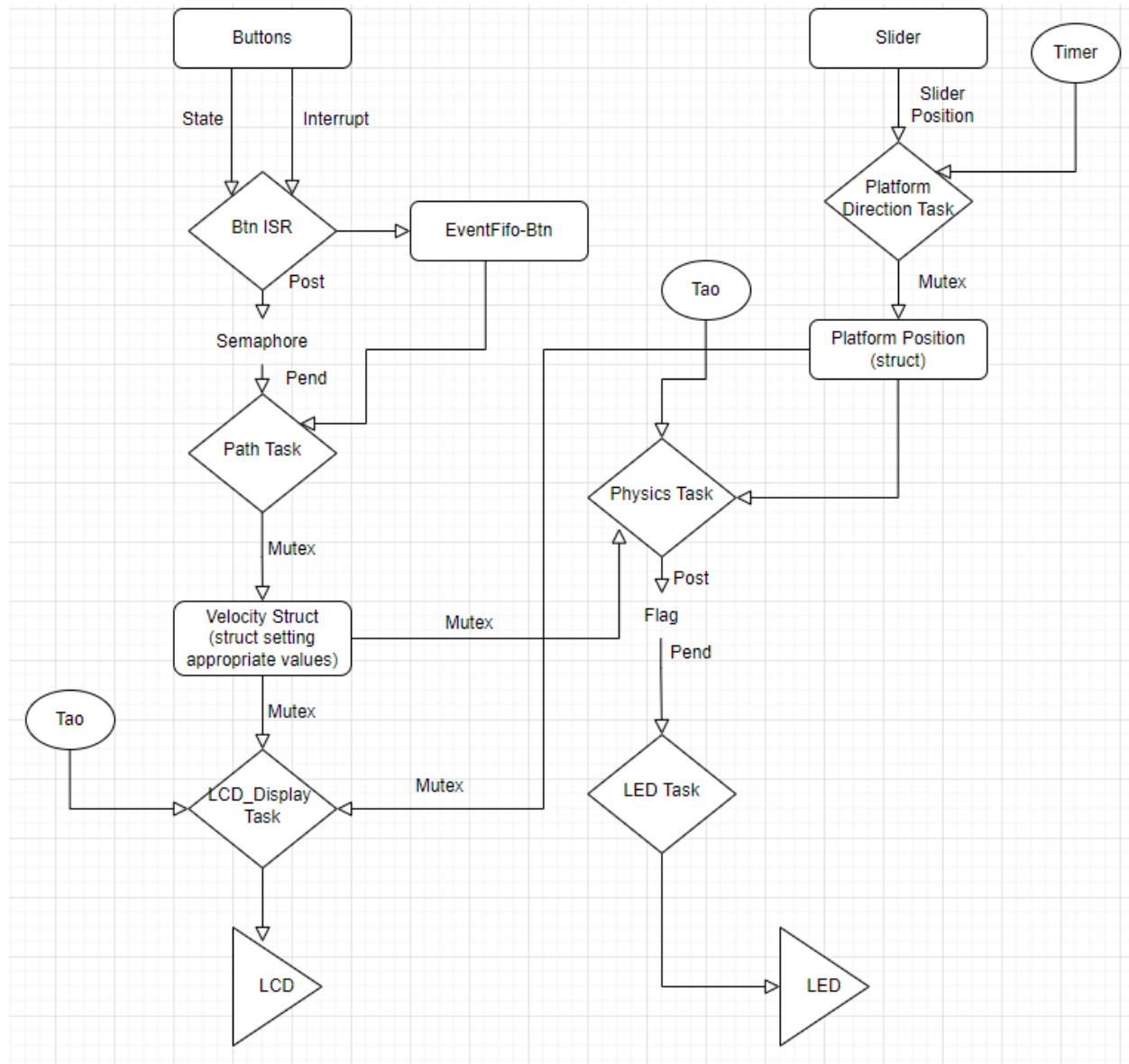
Mutex

Flag

Pend

Tao

Mutex

LCD_Display Task

Mutex
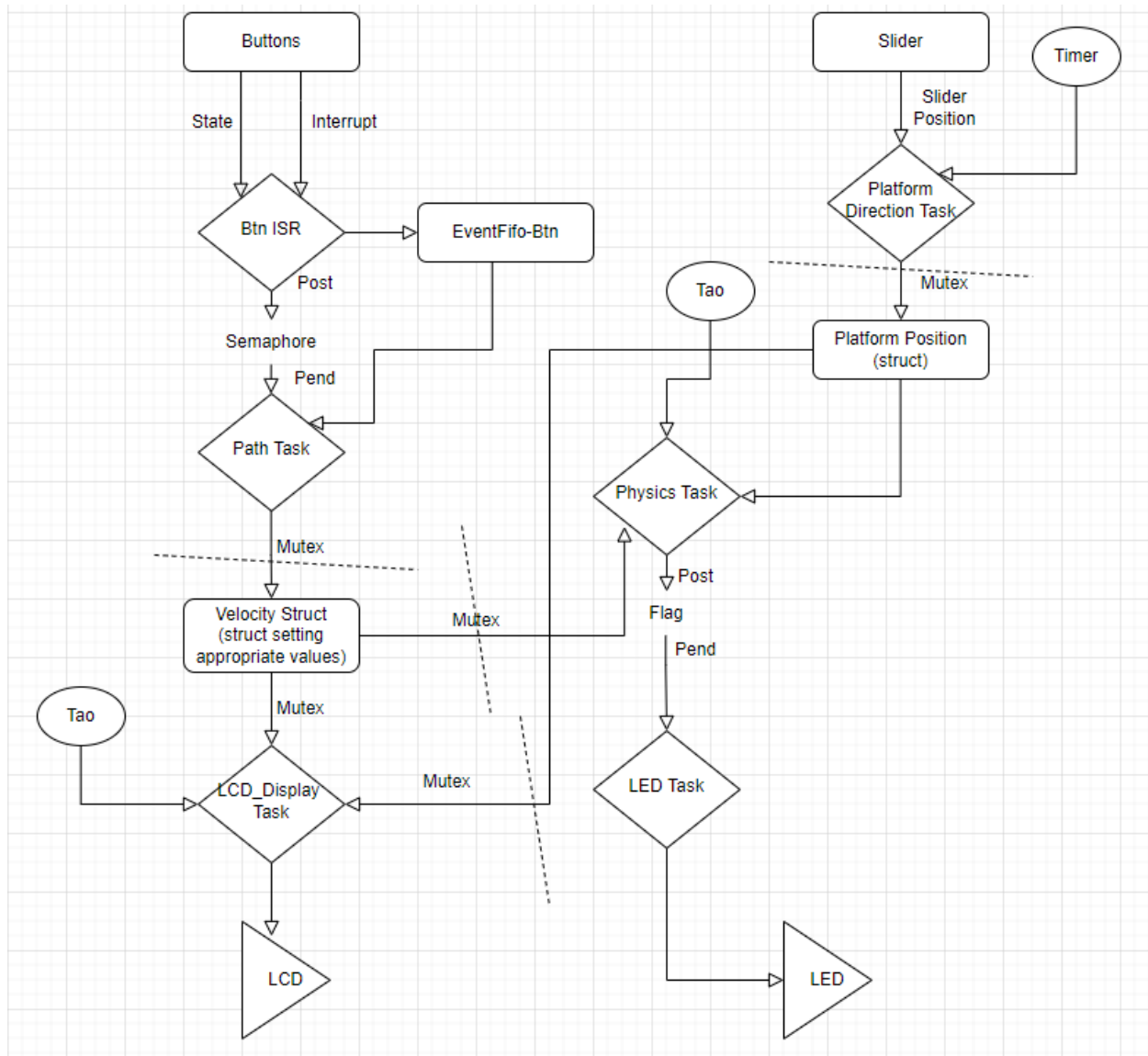
LED Task

LCD

LED

Project Stands:

This week I did the project planning, created my task diagram, and identified 2 cutting points for unit testing. As well as, Added two risk registers that occurred throughout the week. Thankfully the outcomes of all of the risks were either mitigated or resolved.

Summary - I have completed 90% of my currently-scoped, estimated work (4.5 actually spent /5hr total estimate) in 100% of the initially-estimated time. (5 estimated for the items I have completed, of 5hr total estimate). For the work that has been completed, I took .90x (4.5/5) as much time as I estimated.

So far, I am on track but this is only week one so anything can change. Later down the line there will probably be a future me needing more time.

List of in-scope work items:

- Planning Week

I'm really glad that I did the Task Diagram during office hours. I would have not added very important parts to the Diagram which would have confused me down the line. After looking at what I had to do for the week, I made a pretty accurate guess of the estimated time that it was going to take, which was 5 hours and in reality it took 4 and a half hours to complete.The longest part of this week's assignment was the Task Diagram itself but it was a lot better than I thought it would be after going to office hours. In hindsight, I just wish that I worked on the rest of the assignment for this week on the same day that I went to office hours so I don't have to do it the day that it's due, but procrastination is a curse.

Risk Register:

Item	P	I	Risk (P*I)	Recognized	Mitigated/ Resolved	ROAM	How		Justin Robert
Late office hours so I could not get to them	▼	▼	4	8-Mar-22	Resolved	R	Since I didn't have class afterwards, just come later		
Office hours were same time as this class lab	▼	▼	200	6-Mar-22	Mitigated	M	Decided to go to other class office hours but instead went to more office hours this week		
	▼	▼	1						
	▼	▼	0						
	▼	▼	0						
	▼	▼	0						
	▼	▼	0						
	▼	▼	0						