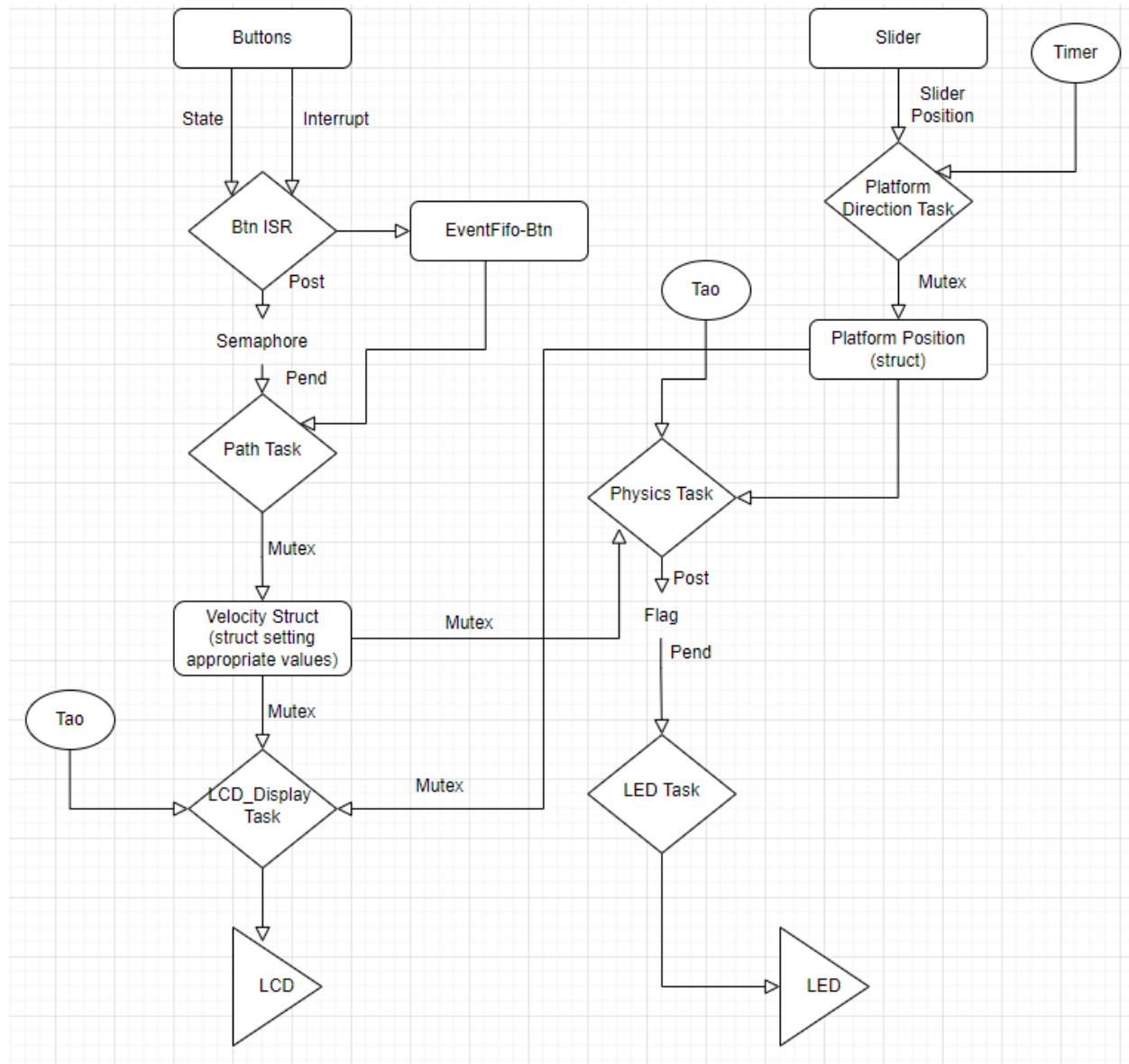Justin Robert

Project Week 2

Task Diagram:

Unit Testing Planning:
- Platform Direction Tests:
● Test if platform doesn't move when force is applied and velocity is 0
● Test is platform maintains nonzero velocity when no force is applied
● Test if platform increases velocity when force is applied in the same direction of the velocity
● Test if platform decreases velocity when force is applied in the opposite direction of the velocity
- HM Tests:
● Test if HM screen is the same as the Platform Direction given
● Test LEDs turnon when HM crashes
● Test both functions of each LEDs. Left LED current force magnitude, Right LED showing MAX_FORCE
- Old to New Tests:
● Test to make sure CapSense works with new setup
● Test to make sure PushButtons work with new setup
● Test physics (later on)

Project Stands:
       This week I did the unit test planning, starting on the easier tests, and added the required number of tests to do. As well as, added one risk register that occurred throughout the week.
       Summary - I have completed 30% of my currently-scoped, estimated work (1.5 actually spent /5hr total estimate) in 30% of the initially-estimated time. (1 and a half estimated for the items I have completed, of 5hr total estimate). For the work that has been completed, I took about 1x (1.5/1.5) as much time as I estimated.
       This week I had a lot of things to do so I did not do everything I wanted to. However the things that I did complete, I did it in the time that was expected. I had a test this week and needed to study for that one a lot so it took more time than expected. The good thing is that we have spring break next week, so I will be working on that 100%. I will try to complete everything that I wanted to do this week.

List of in-scope work items:
● This Week
   I did all that was required for this week but I really should have done a bit more. I wanted to start on the actual code more but this week and its assignments came out of nowhere. I did not expect to be so exhausted after the week, but since next week is spring break, there is a lot of time to catch up on where I want to be.

Risk Register:

	Item	P	I	Risk (P*I)	Recognized	Mitigated/ Resolved	ROAM	How		Justin Robert
1	Item	P	I	Risk (P*I)	Recognized	Mitigated/ Resolved	ROAM	How		Justin Robert
2	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		
3	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		
4	Slept during office hours	▼	▼	120	15-Mar-22	None	A	I fell asleep and that was my bad, got little sleep		
5	Test during lab	▼	▼	200	13-Mar-22	Mitigated	M	Went to office hours as long as lab was		
6		▼	▼	0						
7		▼	▼	0						
8		▼	▼	0						
9		▼	▼	0						
10		▼	▼	0						