Lab 5 grading sheet, Spring 2021 1) Name Last	First		EID		Circle professor _JV, VT, AC, RY
2) Name Last	First		EID		_JV, VT, AC, RY
1. Deliverables 20%:					
Combine your SysTick.c and your main Canvas. Combine the following compo- pdf file and Keil open on the computer of 0) Your names, professors 1) Circuit diagram hand- 2) Logic analyzer screens both roads 3) Drawing of the finite st	nents into one poduring demonstra s, and EIDs drawn or electi shot while in s	df file and ation	upload this fù	le also to C	'anvas. Have the
2. Performance 35%:					
Does it handle correctly all situ	uations as spec	cified?			
3. Adhere to coding standard 5% Good Names have meaning Variables have units in comments Consistent indentation Consistent use of braces				ļ	
C99 style			1)		2)
4. Demonstration 40%: During checkout, you will be asked to show both the simulated and actual TM4C123 systems to the TA. The TAs will expect you to know how the SysTick_Wait function works, and know how to add more input signals and/or output signals. An interesting question that may be asked during checkout is how you could experimentally prove your system works. In other words, what data should be collected and how would you collect it? If there were a lawsuit, could you theoretically prove to the judge and jury that your software implements the FSM? What type of FSM do you have? What other types are there? How many states does it have? In general, how many next-state arrows are there? Explain how the linked data structure is used to implement the FSM. Explain the mathematical equation used to calculate the address of the next state, depending on the current state and the input (if this were assembly). Explain the assembly code created by the compiler for the main loop implementing the FSM, how are the data in the struct accessed? List some general qualities that would characterize a good FSM. If an LED does not activate, how could you tell if the mistake is the electrical circuit or software? 1) 2)					
	Total:				