You will need to obtain the signature of your TA on the following items in order to receive credit for your lab assignment. Signatures are due by Friday, November 15, 2019 (Part 1 Elements) and Friday, November 22, 2019 (Part 2 Elements).

Print your name below, sign the honor code pledge, circle your course number, and then demonstrate your working hardware & firmware in order to obtain the necessary signatures.

Student Name: HARSH RATHORF

Honor Code Pledge: "On my honor, as a University of Colorado student, I have neither given nor received unauthorized assistance on this work. I have clearly acknowledged work that is not my own."

Student Signature:

Signoff Checklist

Part I Required Elements

Pins and signals labeled and decoupling capacitors present on board

code for EEPROM functional, contents present after power cycle

1°C diagram/timing analysis

Part 2 Required Elements

LCD functional, C code for basic LCD routines functional

LCD control signal timing meets specifications (logic analyzer trace/diagram, analysis)

Plapsed time stop, restart, reset to "00:00.0":

Good integration with previous code, all functions work, no irregularities

Part 2 Supplemental Elements

□ LCD Hex/DDRAM/CGRAM dumps, custom LCD characters, fun logo

□ SPI interface, logic analyzer trace, compare with I²C.

TI MSP432 ARM code development, 2 new features, ISR

□ PCF8574 I²C I/O Expander, input, output, ISR

		and the second			
FOR TA/INSTRUCTOR USE ONLY Part 1 Elements	Not Applicable	Poor/Not Complete	Meets Requirements	Exceeds Requirements	Outstanding
Schematics, SPLD code Hardware physical implementation Required Elements functionality		0000		4	
Sign-off done without excessive retries Student understanding and skills Overall Demo Quality (Part 1 elements)			-		

FOR TA/INSTRUCTOR USE ONLY Part 2 Elements	Not Applicable	Below Expectation	Meets Requirements	Exceeds Requirements	Outstanding
Schematics, SPLD code Hardware physical implementation Required Elements functionality Supplemental Elements functionality					
Sign-off done without excessive retries Student understanding and skills Overall Demo Quality (Part 2 elements)					

TA/Instructor Comments

Part 1 (+) Pagewik working (extra) (+) Data retained in power cycle. (+) version controldone (+) Good VI hardling-(+) Read I 2 Cconcepts.

> SHOWED LCD PRINTING HARDCONED STRING AN RUNNING TIMER. APPEARS ACCURATE BUT NO UI / CONTROL OF HIMEL

povet 2 11/23

- (4) Clock functional but not displaying correct values after 10 minutes (vaniables not handled properly)
 - (clock accurate

(*)

- (+) Stop, rest woks with UI. Supplemental not done farman