# Lab 8, Week 1 Deliverables

ECE341, University of Idaho

## Prelab

No prelab due this week.

## Demonstration

The application should:

1. Write a single byte to an arbitrary (valid) memory address
2. Read a single byte from an arbitrary (valid) memory address
3. Use the single byte write and read functions to write a byte to a memory address, read a byte from the same memory address, and compare the two bytes to ensure they are identical.
4. The result of the byte comparison will be displayed on the LCD (either `TEST PASSED` or `TEST FAILED`)
5. Use the I2C trigger and decode ability of the oscilloscope to show the single byte write and read operations during your demonstration. Remember to bring the (labeled) captures to class on Monday, and save them to include in the report after the second week of this lab.
6. Remember to submit your project after you have successfully demonstrated! It will count towards the Lab 8 demonstration score.

Demonstration is due by 3:00 PM Friday

## Report

No report due for the single byte operations; however the two screen captures (single byte write, single byte read) will be required in the Lab 8 report.