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Course: ECE445L

A) ***Objectives*:**

1. In a few sentences, describe the purpose of the lab and the features of your alarm clock.

This lab aims to build, test, and validate an embedded system. We created a gaming controller that is HID compliant thus allowing us to use it universally across several systems.

B) ***Hardware Design Deliverables:***

1. N/A

C) ***Software Design Deliverables:***

1. I have pushed my project to GitHub for grading (Yes/No):
2. Deliverable 1: System design diagram of the modules created.

D) ***General Deliverables:***

1. Deliverable 2: Software Tests
2. Deliverable 3: Hardware Tests

Measured the current through several components to ensure they drew the right amount of power. Also checked for continuity throughout the systems to ensure that the current wasn’t being shorted anywhere in our circuit. Had components, like an LED that were used to quickly see if the board is being powered and if it had enough power to operate correctly.

1. Deliverable 4: Power consumption
2. Deliverable 5 (10pt EC): Characterization of the system

E) ***Analysis and Discussion Questions:***

1. N/A