Name: \_\_Replace with your name(s)\_\_\_\_

EID: \_\_Replace with your EID(s)\_\_\_\_\_

Semester: Fall 2024

Course: ECE445L

A) ***Objectives*:**

1. In a few sentences, describe the purpose of the lab:

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

1. Deliverable 1: Using **KiCad**, create a schematic for your design. Include a screenshot in the space below.
2. Deliverable 2: Using **KiCad**, create a Layout for your design. Include a screenshot in the space below.

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

1. I have pushed my project to GitHub for grading (Yes/No):
2. Deliverable 3: System design diagram of the modules created.

D) ***Deliverables:***

1. Deliverable 4: Total cost estimate

I have updated the bill of materials (Yes/No):

Out of pocket costs:

Adjusted competition costs:

1. Deliverable 5: Estimated current usage
2. Deliverable 6 (5pt EC): TIW Training
3. Deliverable 7 (10pt EC): Discrete IC usage
4. Deliverable 8 (10pt EC): Characterization of the system

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

1. How did you debug your system? How intrusive was it?
2. What’s the difference between unit testing, integration testing, and functional testing?