# Lab 4 Individual Report

Huy Lai — 132000359

*Texas A&M University*

20 October 2022

---

An Aggie does not lie, cheat or steal.
Nor does an Aggie tolerate those who do.

Group members:
Kyle Crusius — 428003578
Arjun Kurkal — 631004597
Vishnu Naidu — 630004567

## My Contribution

1. I/O Controller

2. Address Bus

3. Left Barrel Shifter

4. Right Barrel Shifter

## Advantages and Disadvantages

This team based design made it difficult to communicate and coordinate with team members, specifically regarding the approach we were taking for specific design components. However, the duration of this lab, being slightly longer than previous ones, allowed us to work past this, and we ended up splitting a workload that would have been significantly more challenging to handle alone.

## Superior Implementation

Kyle's design for the adder and subtractor were superior.
Arjun's Decoder implementation for microprocessor was superior.