

Etude I

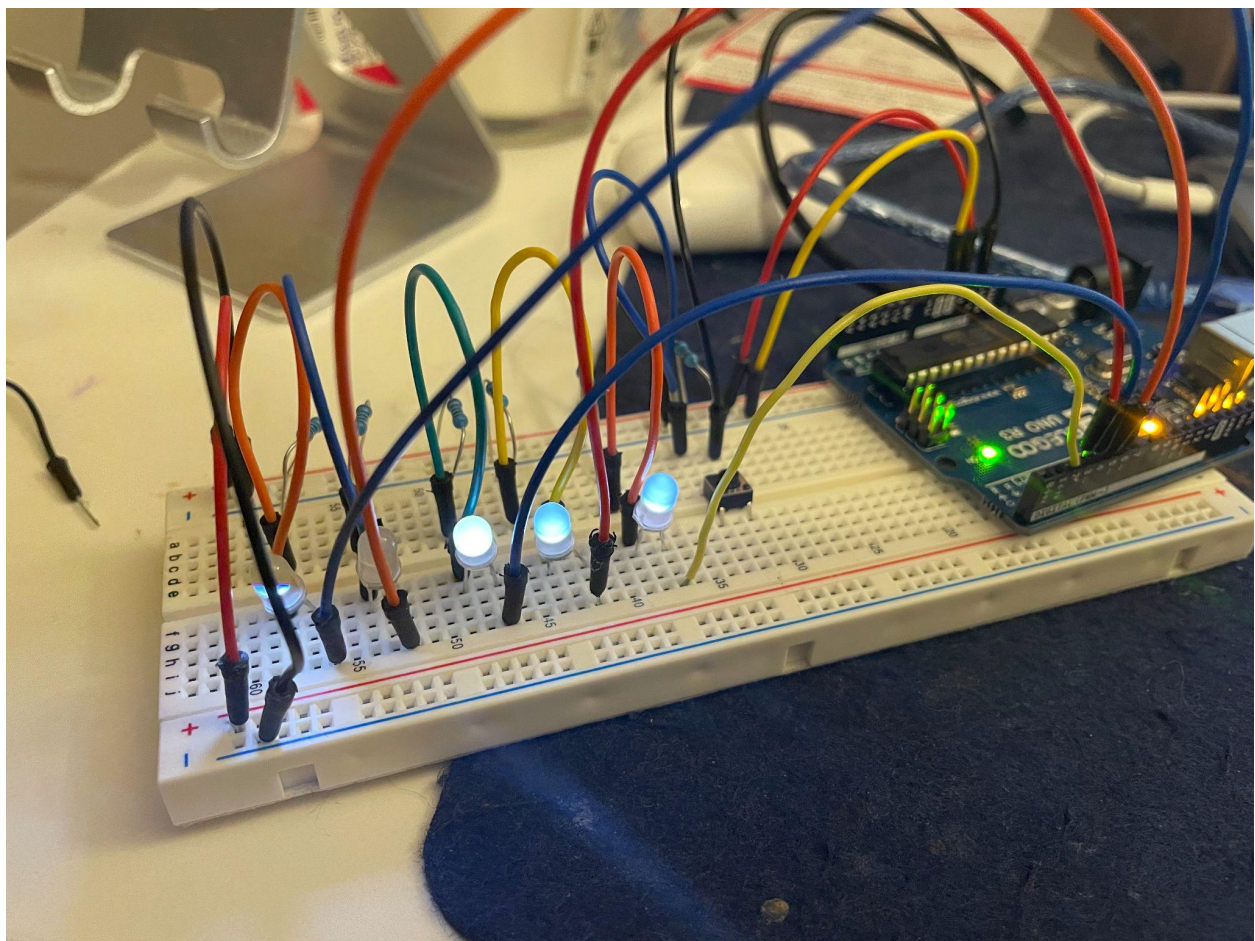
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CART360

### **Part one: perception-p (Built circuit)**

Notes on building the circuit:

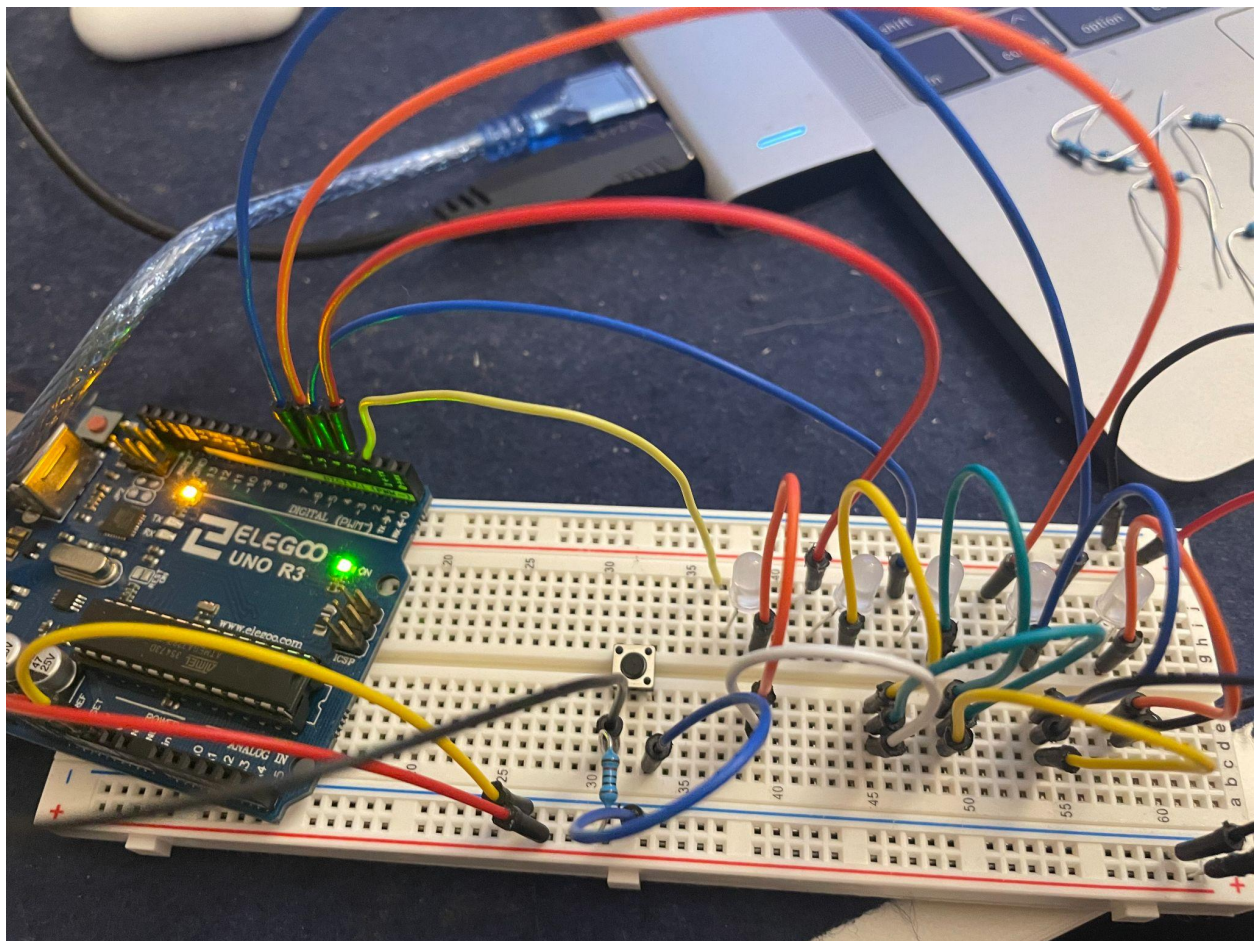
Building the built circuit was very straightforward



## Part Two: perception-p (Alternate Circuit)

The built circuit and the alternate circuit have a lot in common yet are very different. Components-wise, they are almost the same except for the resistances in the built circuit, they are being changed to wires which transfer the current flow of the circuit from Direct current to alternate current.

For this etude, using the direct current power is better since the power will be moving in a straight line. The power and the delivery of the voltage will also be way more consentient which is very important for this etude hence we need the lights to have different shades. Thus we do not want equal resistance.



### Part Three: perception-p

- a) When the button is pressed the lights turn off for 2 seconds which is the delay time and the resistor for the button
- b) GND connected to breadboard to ground the circuit, the 5v pin supplies 5 volts of power, reset switch

### Part Four: perception-p

For changing the custom message I only had to change the input of the display String which I chose to have the word zebra

```
109 void loop()
110 {
111     displayString("zebra");
112 }
```