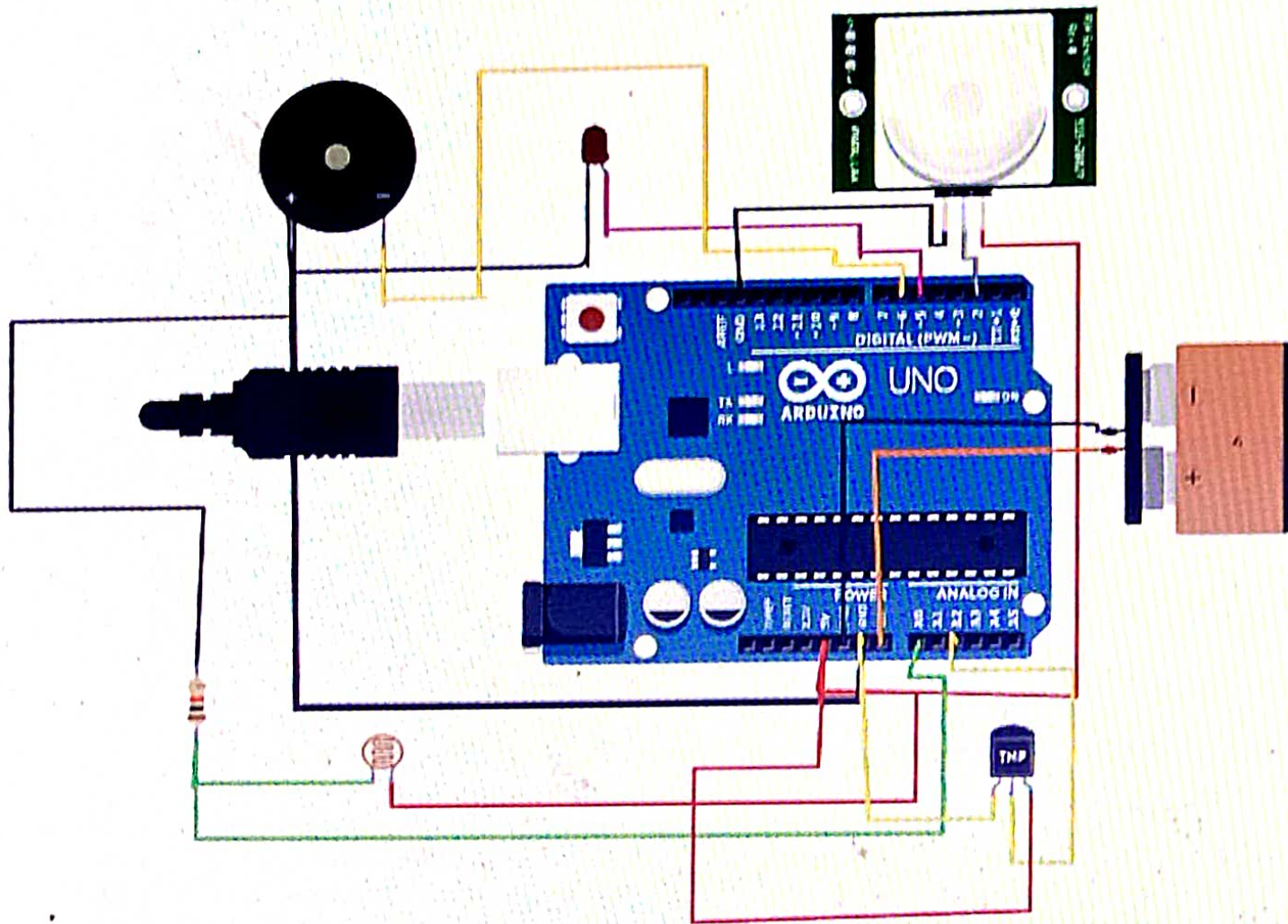


tinkercad.com/things/iAn1VIII9HI-bodacious-crift-lappi/editel?tenant=circuits

Bodacious Crift-Lappi



Circuit design Bodacious Crift-Lap: x

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Bodacious Crift-Lappi

All changes saved

Code

Text

1 (Arduino Uno R3)

```
11 Serial.begin(9600);
12 }
13
14 void loop(){
15   val = digitalRead(inputPin); // read input value
16   int value_ldr = analogRead(A0); // read LDR value
17
18   if((300>value_ldr) && (val==HIGH) ){
19     if (val == HIGH) { // check if the input is HIGH
20       digitalWrite(ledPin, HIGH); // turn LED ON
21       digitalWrite(Buzzer, 1);
22       delay(5000);
23     } if (pirState == LOW) {
24       // we have just turned on
25       Serial.println("Motion detected!");
26       // We only want to print on the output change, not state
27       pirState = HIGH;
28     }
29   } else {
30     digitalWrite(ledPin, LOW); // turn LED OFF
31     digitalWrite(Buzzer, 0); // turn Buzzer OFF
32     if (pirState == HIGH){
33       // we have just turned of
34       Serial.println("Motion ended!");
35       // We only want to print on the output change, not state
36       pirState = LOW;
37     }
38   }
39 }
40
```

Serial Monitor

The diagram shows an Arduino Uno R3 board with the following connections:

- 5V pin connected to the positive terminal of a USB Type-C connector.
- GND pin connected to the ground terminal of the USB Type-C connector.
- A0 pin connected to the LDR sensor module.
- Digital pin 2 connected to the PIR sensor module.
- Digital pin 8 connected to the buzzer module.
- Digital pin 13 connected to the LED module.