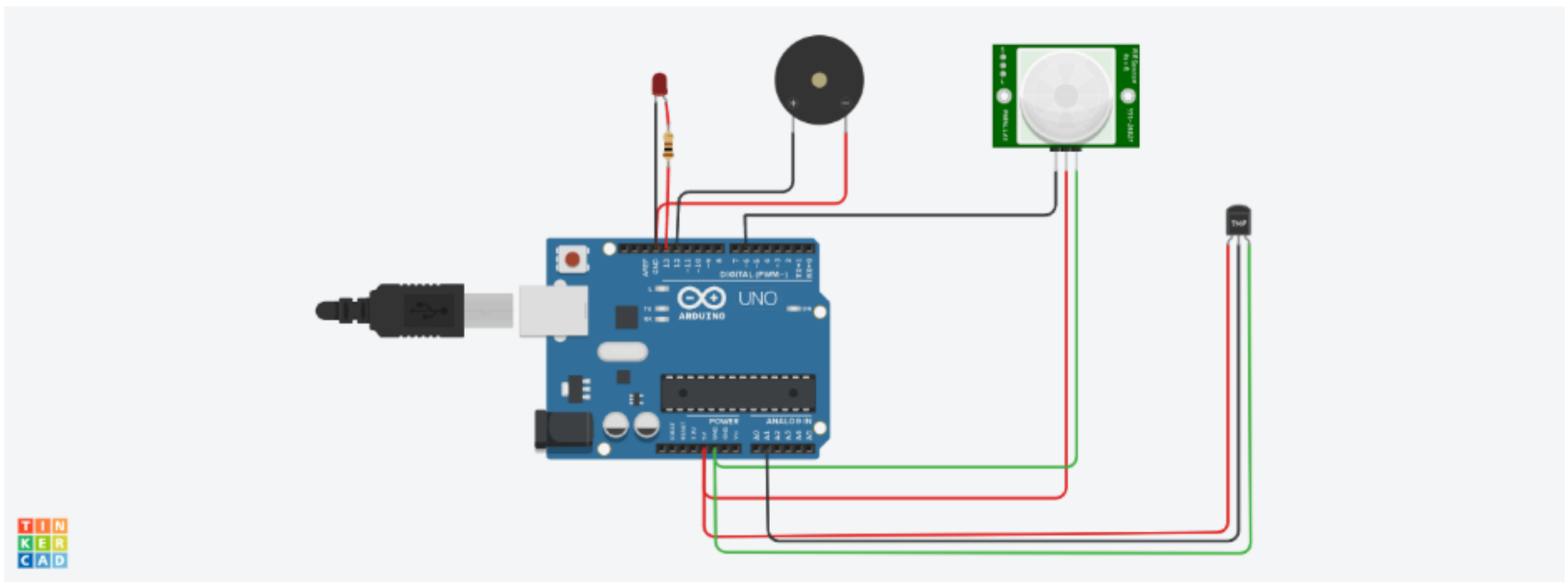
MAKE A SMART HOME

Tinkercad link:

https://www.tinkercad.com/things/00vvlIJaQmU-mighty-curcan/editel?sharecode=eRVtvg20wQPV_Ry3tj-i6dVNqyy2m-7pb0iM_zG6gOo

Circuit design:



Component Required:

Name	Quantity	Component
U1	1	Arduino Uno R3
D1	1	Red LED
PIR1	1	-52.66 , -315.7896985209941 , -337.33 PIR Sensor
PIEZO1	1	Piezo
U2	1	Temperature Sensor [TMP36]
R1	1	100 Ω Resistor

Code:

```
float temp;

void setup()

{
```

```
  pinMode (6,INPUT);
  pinMode (12,OUTPUT);
  Serial.begin(9600);

  }


void loop()
{
if (digitalRead(6)==HIGH)
{
  tone(12,523,1000);
   Serial.println("Unknown detected");
  {
  int ledPin=13;
{
  pinMode(ledPin,OUTPUT);
}
digitalWrite(ledPin,HIGH);
    delay(1000);
    digitalWrite(ledPin,LOW);
    delay(1000);
  }
}

else
{
  noTone(12);
}
temp=analogRead(A1);
```

```
temp=temp*0.48828125;


if(temp>=110.84)
{
tone (12,100,2000);
  Serial.print("Above 60 c Temperature...");
  {
  int ledPin=13;
{
   pinMode(ledPin,OUTPUT);
  }
  digitalWrite(ledPin,HIGH);
     delay(1000);
     digitalWrite(ledPin,LOW);
     delay(1000);
   }
  }
  else
  {
   noTone(12);
  }
}/
```