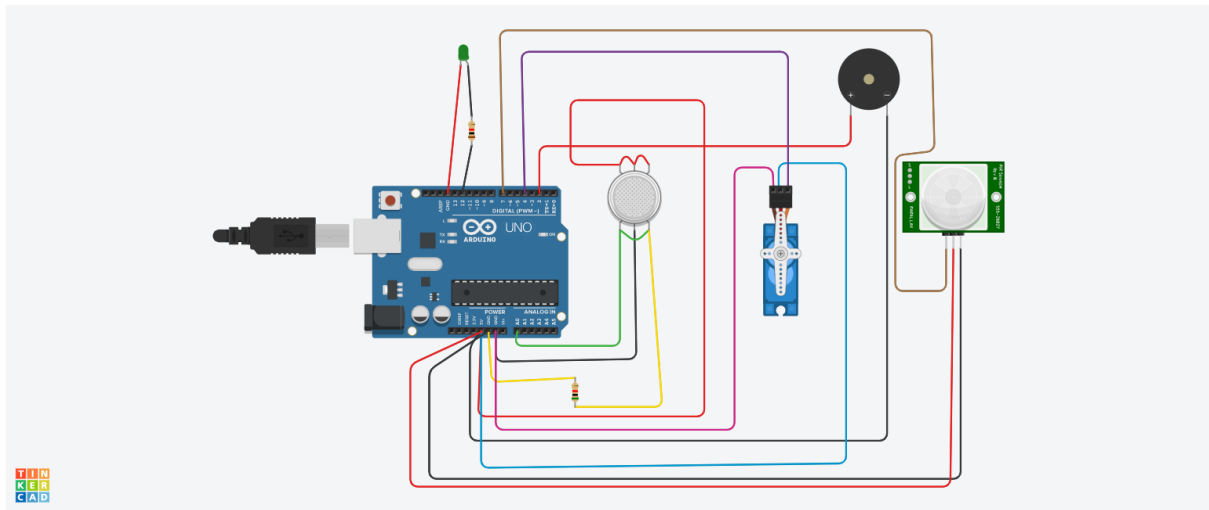


## SMART HOME



Code:

```
// C++ code
//
#include<Servo.h>
Servo s;
void setup()
{
    //while people active in the room the light will glow using pir sensor
    pinMode(12,OUTPUT);
    //sense the gas in kitchen using gas sensor
    pinMode(A0,OUTPUT);
    //alarm while detect the gas
    pinMode(2,OUTPUT);
    //pir sensor
    pinMode(7,INPUT);
    //servo motor open the doors and window while gas leak
    s.attach(4);
    Serial.begin(9600);
}

void loop()
{
    int a=analogRead(A0);
    int light=digitalRead(7);
    Serial.println(light);
    if(a>10){
```

```
tone(2,300);
tone(2,360);
tone(2,101);
s.write(90);

}
else{
  digitalWrite(12,LOW);
  noTone(2);
  s.write(0);
}
if(light)
  digitalWrite(12,HIGH);
else
  digitalWrite(12,LOW);
delay(100);
}
```

Assignment link:

[https://www.tinkercad.com/things/eyDt0RhLHQr-assignment/editel?  
sharecode=SfFNf8cwTMNwIFuaa9NKtnaR9QCKrAoCRrDbyBbTDe8](https://www.tinkercad.com/things/eyDt0RhLHQr-assignment/editel?sharecode=SfFNf8cwTMNwIFuaa9NKtnaR9QCKrAoCRrDbyBbTDe8)