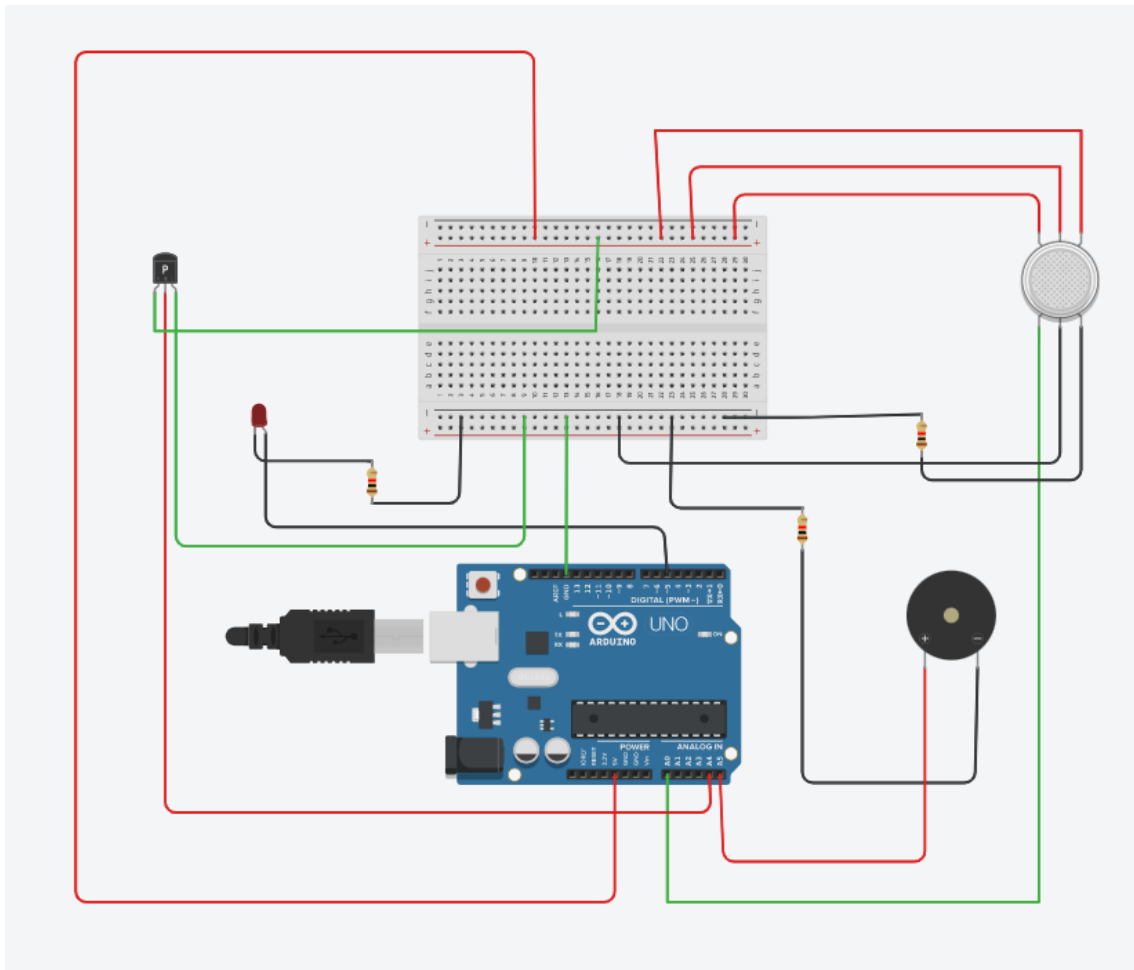


ASSIGNMENT

CIRCUIT DIAGRAM:

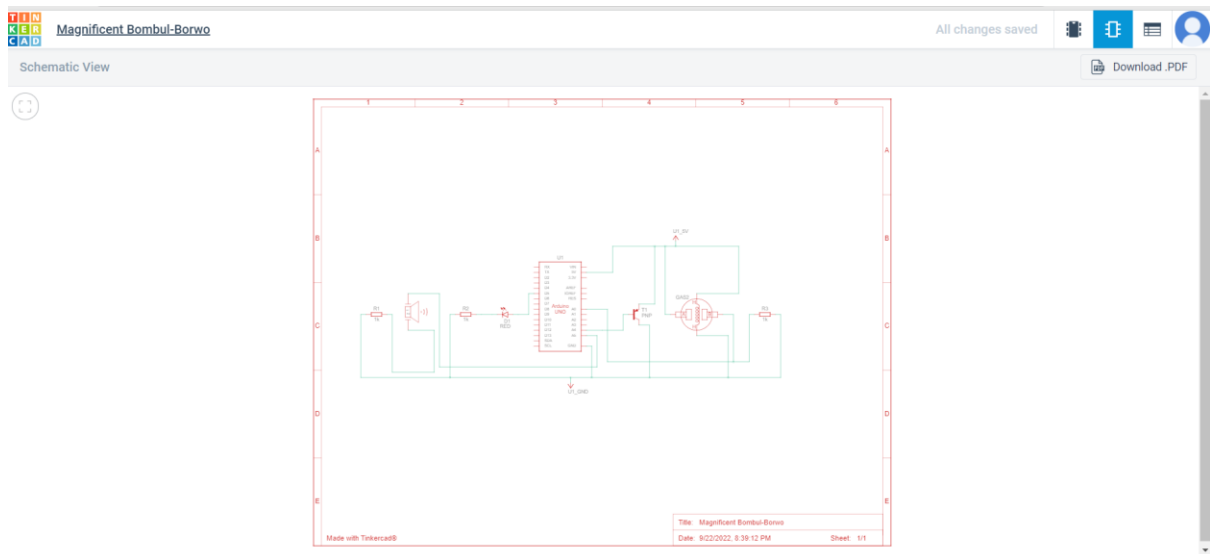


CODE:

```
int greenled = 5;
int buzzer = A5;
int sensor = A0;
int sensorThresh = 350;
void setup()
{
  pinMode(greenled,OUTPUT);
  pinMode(buzzer,OUTPUT);
  pinMode(sensor,INPUT);
  pinMode(A4,INPUT);
  Serial.begin(9600);
```

```
}  
  
void loop()  
{  
  int value;  
  int analogValue = analogRead(sensor);  
  Serial.print(analogValue);  
  value = analogRead(A4);  
  value = value*0.48828125;  
  Serial.print(value);  
  if(value>40)  
  {  
    digitalWrite(buzzer,HIGH);  
  }  
  else  
  {  
    digitalWrite(buzzer,LOW);  
  }  
  if(analogValue>sensorThresh)  
  {  
    digitalWrite(greenled,HIGH);  
    tone(buzzer,1000,100000);  
  }  
}
```

SCHEMATIC VIEW:



STIMULATION:

