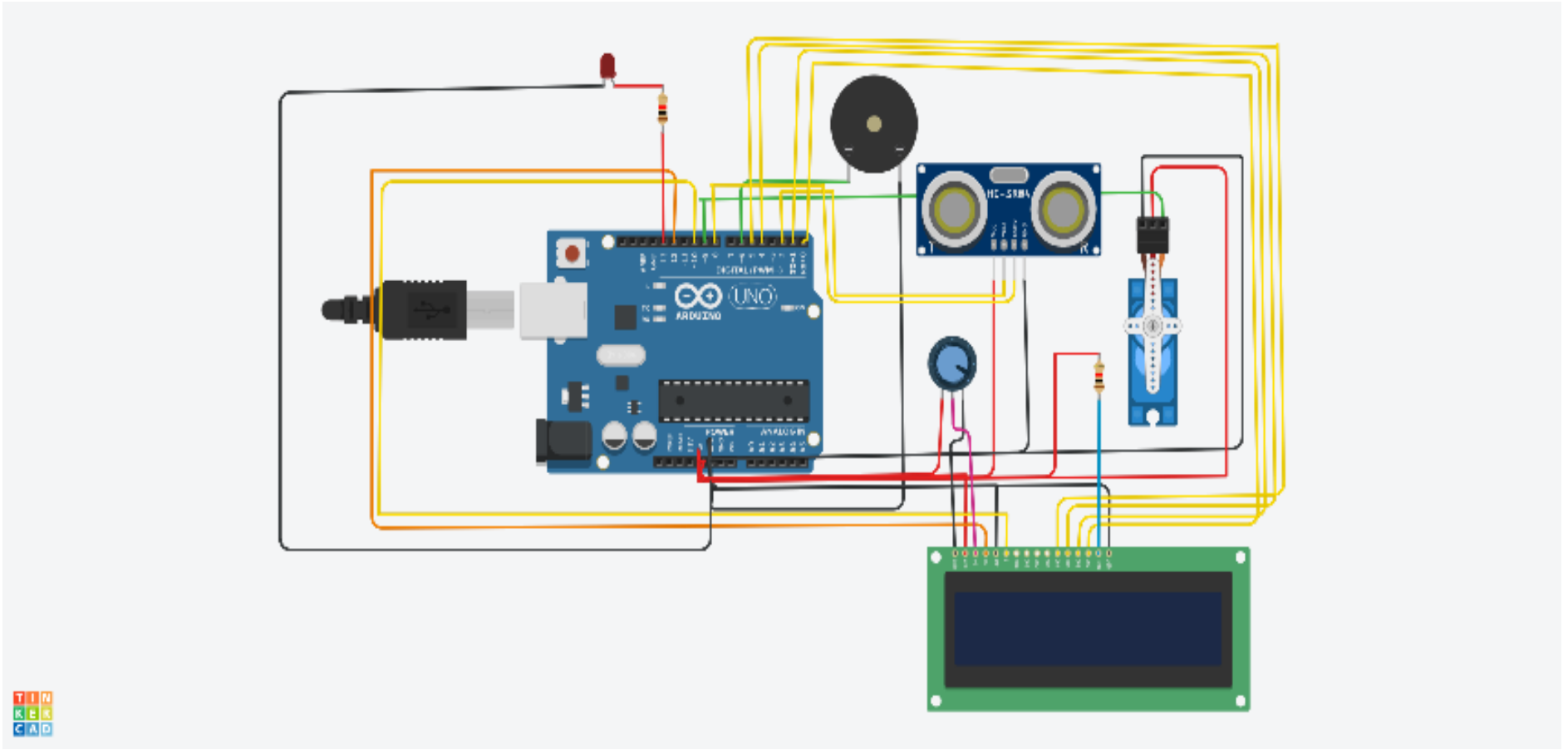

Edit with WPS Office

```
#include<Servo.h>
#include<LiquidCrystal.h>
Servo servo_9;
LiquidCrystal lcd(12,11,10,5,4,1,0);
int distance;
int pos;
void setup()
{
servo_9.attach(9);
lcd.begin(16,2);
pinMode(2, OUTPUT);
pinMode(8,INPUT);
pinMode(5,OUTPUT);
pinMode(6,OUTPUT);
pinMode(13,OUTPUT);
}
void loop()
{
digitalWrite(2,LOW);
delayMicroseconds(2);
digitalWrite(2,HIGH);
delayMicroseconds(10);
digitalWrite(2,LOW);
distance=pulseIn(3,HIGH)*0.017;
if (distance=18){
lcd.print("Distance equals");
lcd.setCursor(0,1);
lcd.print(distance);
digitalWrite(13,HIGH);
for (pos=0; pos<=72; pos+=1){
servo_9.write(pos);
tone(6,300);
delay(20);
}
for (pos=72; pos>=0; pos-=1){
servo_9.write(pos);
tone(6,300);
delay(20);
}
lcd.clear();
noTone(6);
delay(1000);
digitalWrite(13,LOW);
delay(500);
}
}
```

Edited with WPS Office