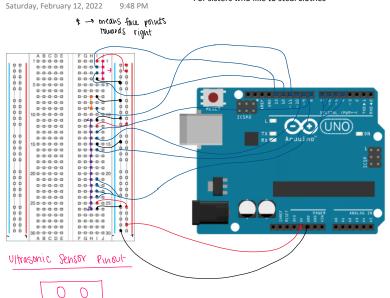
Closet Buzzer

Saturday, February 12, 2022

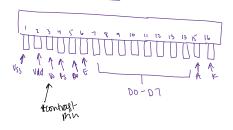
*For sisters who like to steal clothes



Active Pourser proDut



LCD PINOUT



```
#include <LiquidCrystal.h>
/*GLOBAL VARIABLES*/
                               I can change paped in
//Buzzer Pin Definitions
#define trigPin 9
#define echoPin 8
#define buzzer1 10
long duration; // variable for the duration of sound wave travel
int sensDistance; // variable for the distance measurement
//LCD Pin Definitons
int reg0 = 3;
int reg1 = 11;
                             Chaveze
int reg2 = 12;
                                 based
int reg3 = 13;
int en = 7;
                                 mo
int rs = 6;
int contPin = 5;
int contVal = 80;
//Create LCD object
LiquidCrystal lcd(rs, en, reg0, reg1, reg2, reg3);
void setup() {
```

// Buzzer Setup pinMode(trigPin, OUTPUT); // Sets the trigPin as an OUTPUT pinMode(echoPin, INPUT); // Sets the echoPin as an INPUT pinMode(buzzer1, OUTPUT); //Sets buzzer1 as an OUTPUT Serial.begin(9600); // Serial Communication is starting with 9600 of baudrate speed // LCD Setup analogWrite(contPin, contVal); lcd.begin(16,2); void loop() { sensDistance = sensorDistance(); //clear lcd lcd.clear(); if(sensDistance < 25)

tone(buzzer1, 1800); delay(100); lcd.print("ENOUGH!"); noTone(buzzer1); delay(100); else if(sensDistance < 50) tone(buzzer1, 1800); delay(250); lcd.print("STOP!"); noTone(buzzer1); delay(250); else if(sensDistance < 100) tone(buzzer1, 1800); delay(500); lcd.print("GO AWAY PLEASE!"); noTone(buzzer1); delay(500); int sensorDistance() int distance = -1;

digitalWrite(trigPin, LOW);

delayMicroseconds(2); // Sets the trigPin HIGH (ACTIVE) for 10 microseconds to tell the echo pin to gather data

digitalWrite(trigPin, HIGH); delayMicroseconds(10); digitalWrite(trigPin, LOW);

// Reads the echoPin, returns the sound wave travel time in microseconds duration = pulseIn(echoPin, HIGH);

```
long actualTime = duration/2;

// Calculating the distance
float speedSound = 0.034; //cm/us
distance = actualTime * speedSound; // Speed of sound wave divided by 2 (go and back)
return distance;
}
```