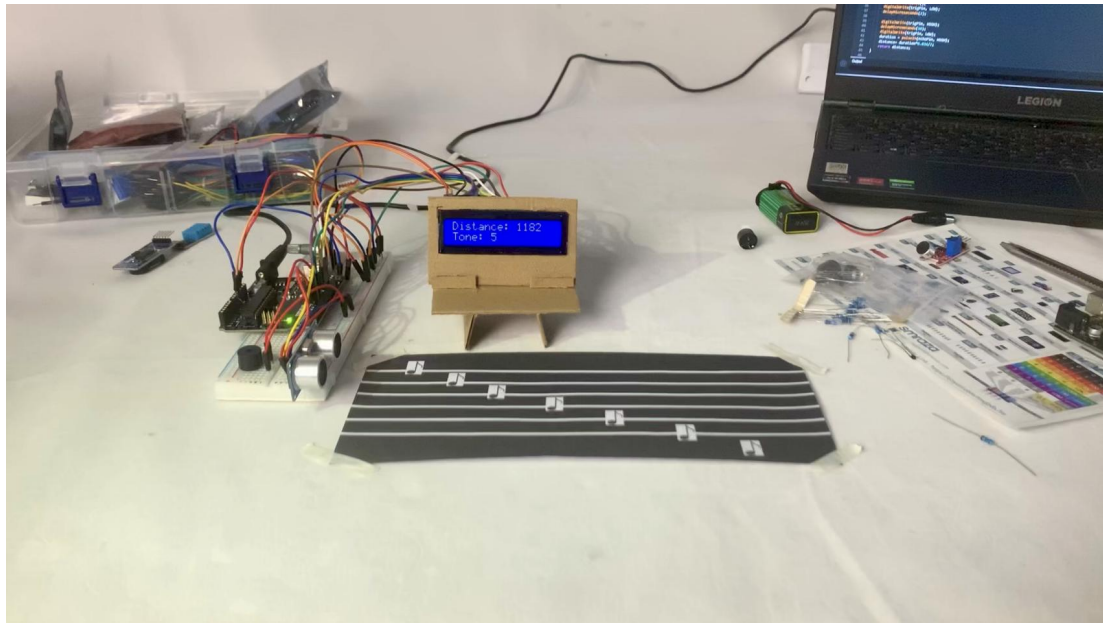# HC-SR04 with Music

How to play music through HC-SR04

Components and supplies

- ① Arduino Uno R3

- ① Breadboard

- ① LCD 1602

- ① HC-SR04

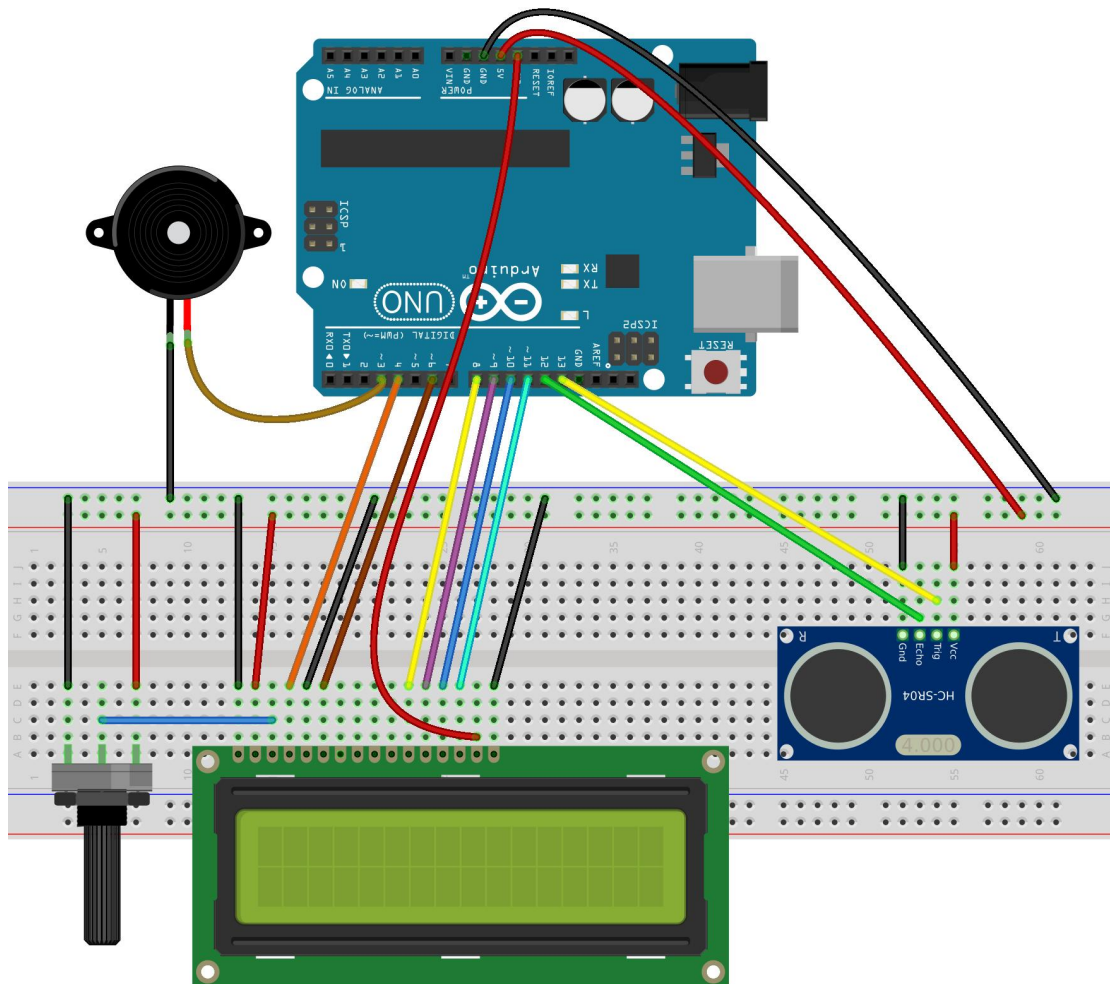- ① Passive Buzzer

Apps and platforms

Arduino IDE

Project description

In this project, we will utilize Arduino microcontrollers, such as the HC-SR04, a buzzer, and an LCD1602 display to build an interactive device capable of playing different tones based on detected distance changes.

Library:

```
#include <Arduino.h>
#include <LiquidCrystal.h>
```

Circuit Diagram:

fritzing

- Take your hand and place it at different distances from the front of the HC-SR04 and feel the change in tone. Of course, you can change the tone you want in the code