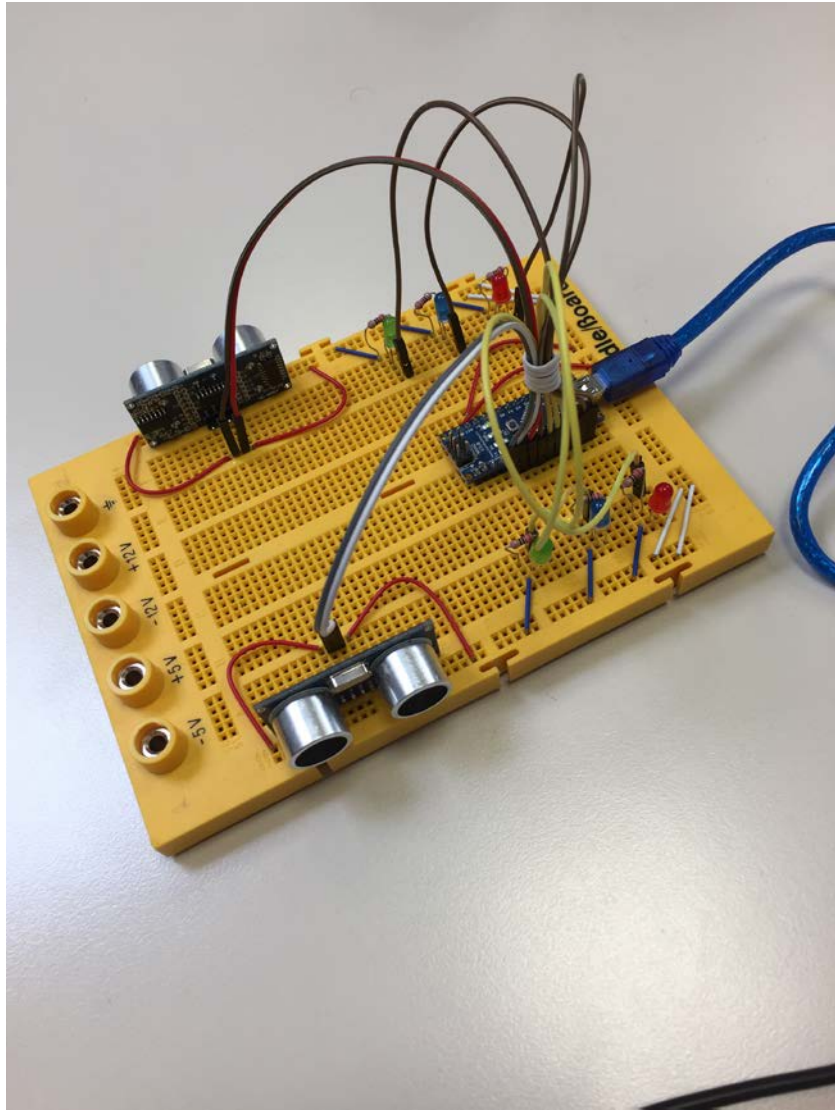


Athens 2017

Project: Theremin

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&
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- **Summary:**

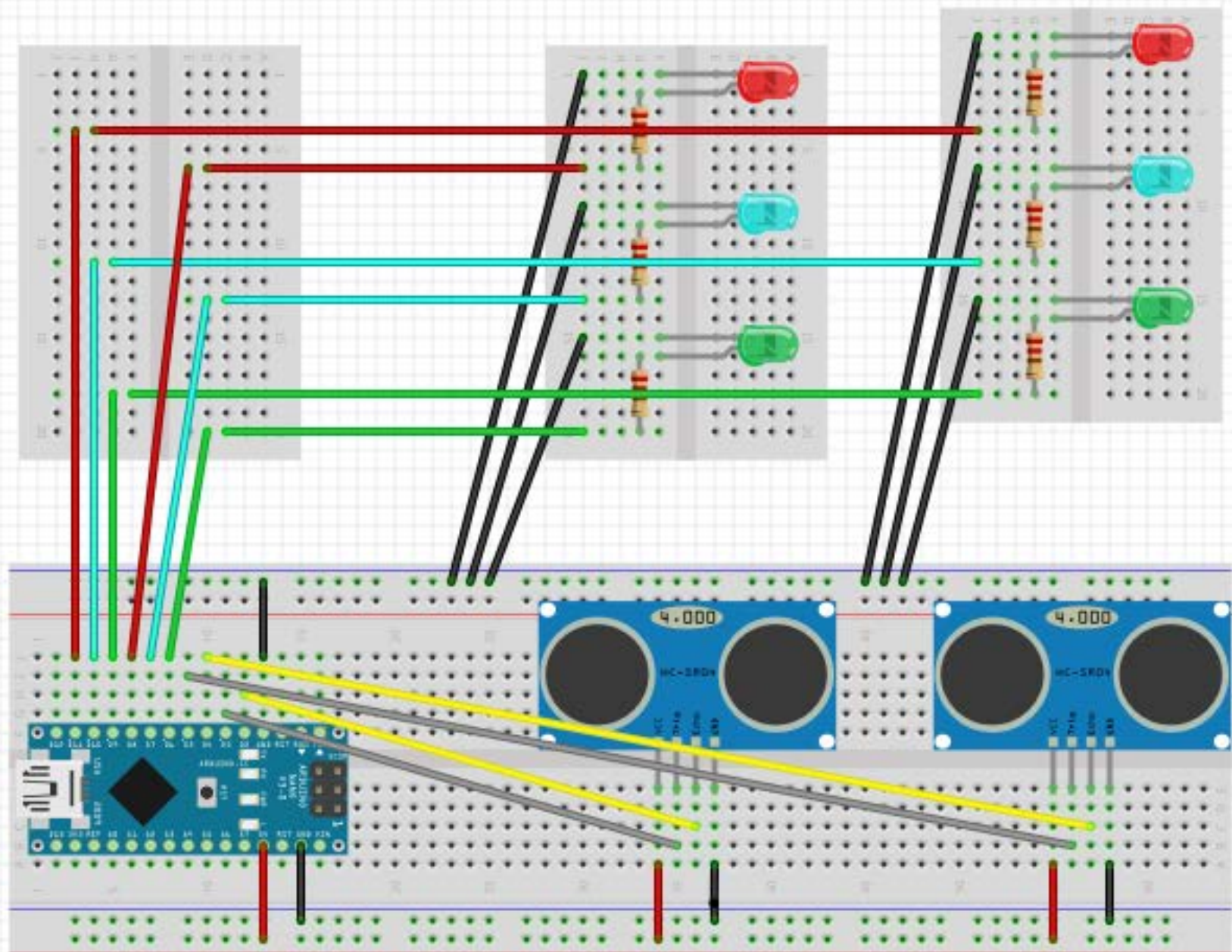
This document describes The Arduino-Processing project for a Theremin. It includes more sounds in Processing and offers the possibility to make music.

- **Contents:**

- 1) **Material & Circuit**
- 2) **Description**
- 3) **Code**
- 4) **Pictures**

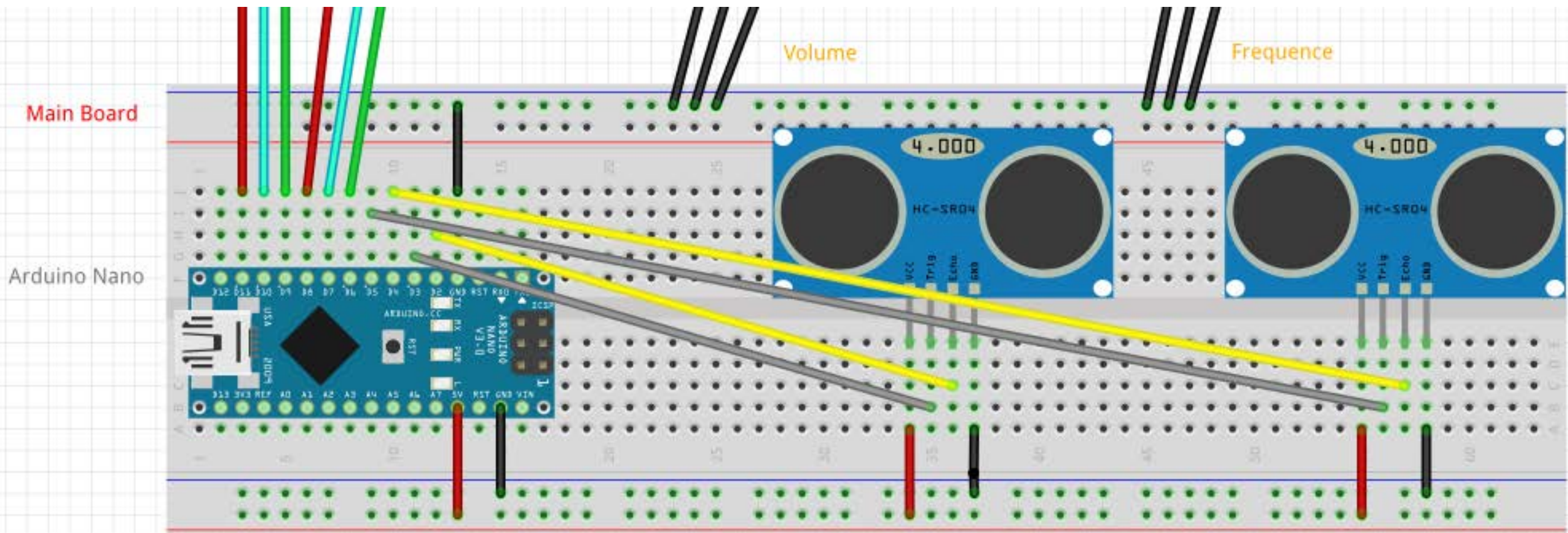
volume

frequency



Arduino Nano

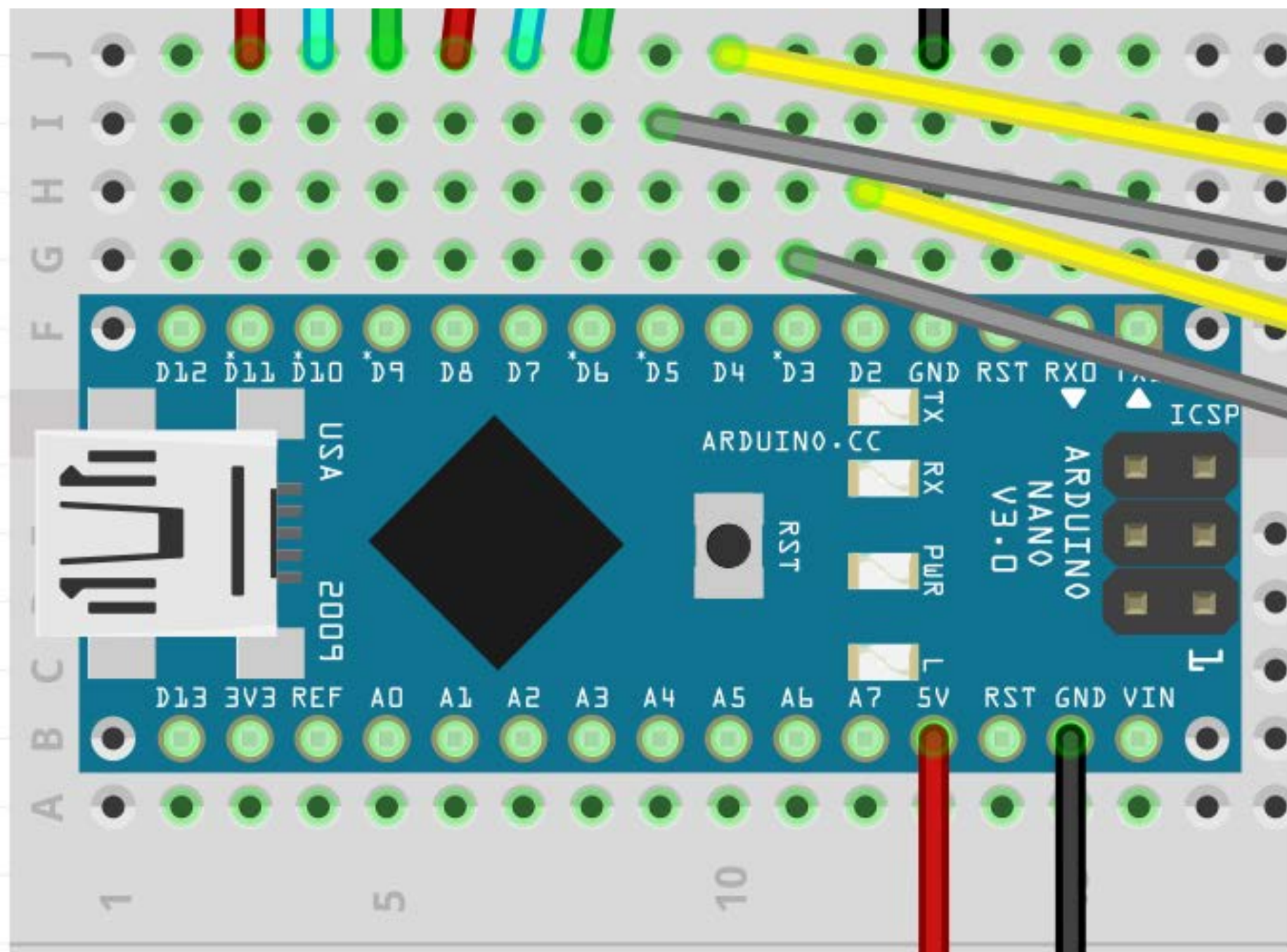
fritzing



fritzing

Arduino Nano

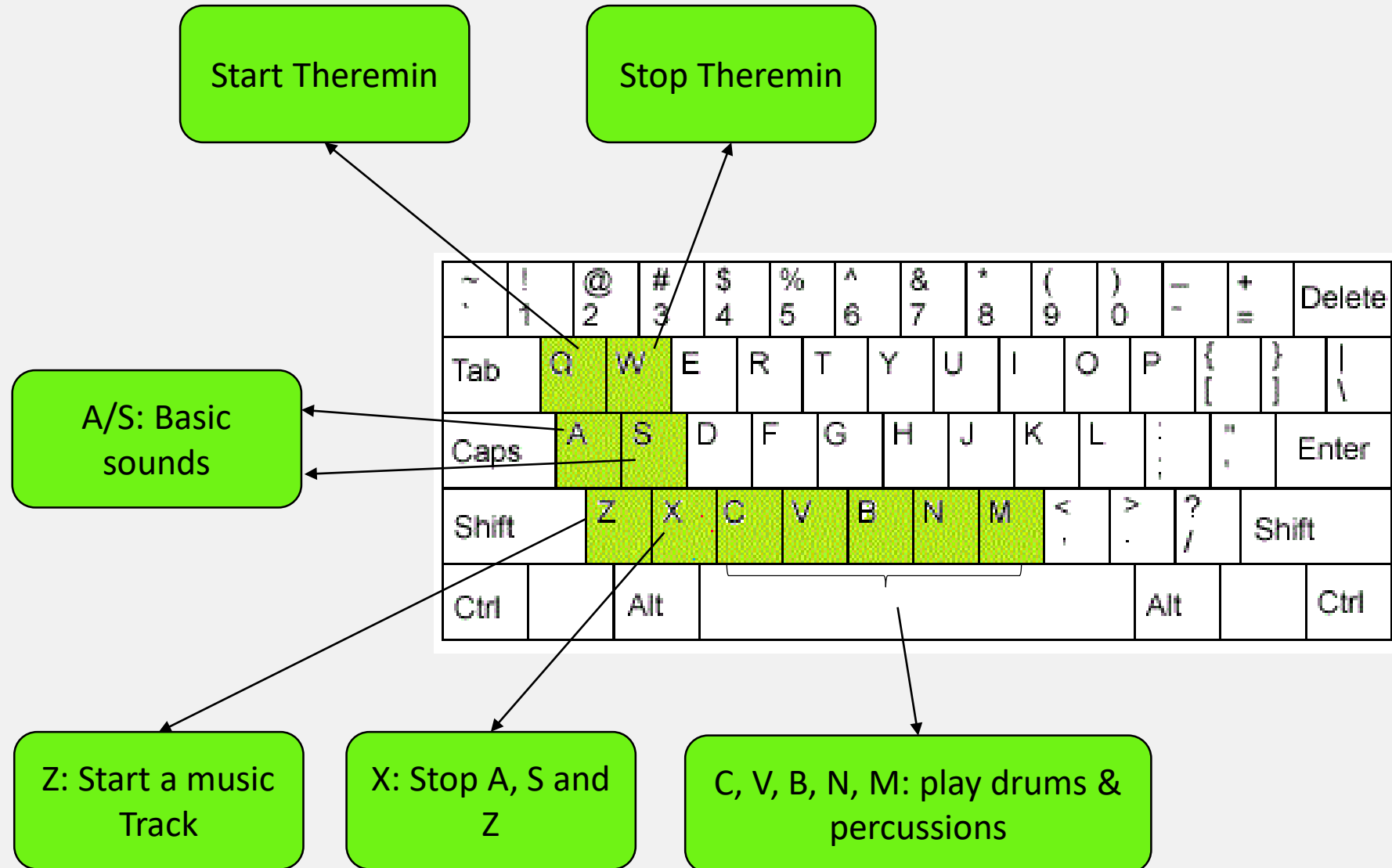
fritzing



2) Description:

- The Project is a Theremin: the 2 ultrasonic sensors replace the antennas; they control the frequency and the volume of the sound played by the instrument.
- Also it is possible to stop and start the Theremin using the keyboard of the computer.
- The Processing interface also plays percussions(drums, etc..) by hitting some buttons from the Keyboard.
- The Theremin and the extra percussions offer a very entertaining tool to make music.

Use of the program in the Processing interface:



3) Code:

-for Arduino

-for Processing

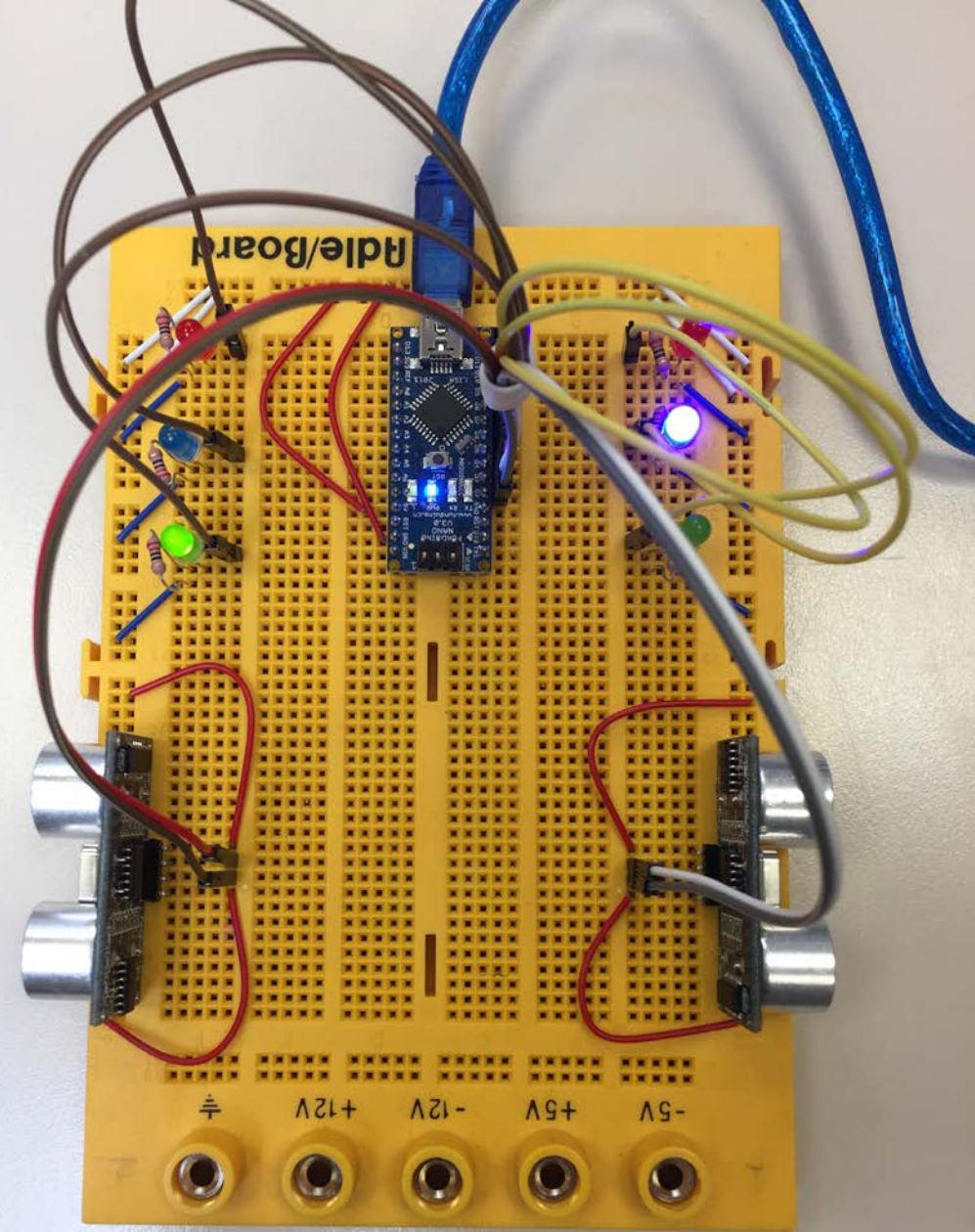
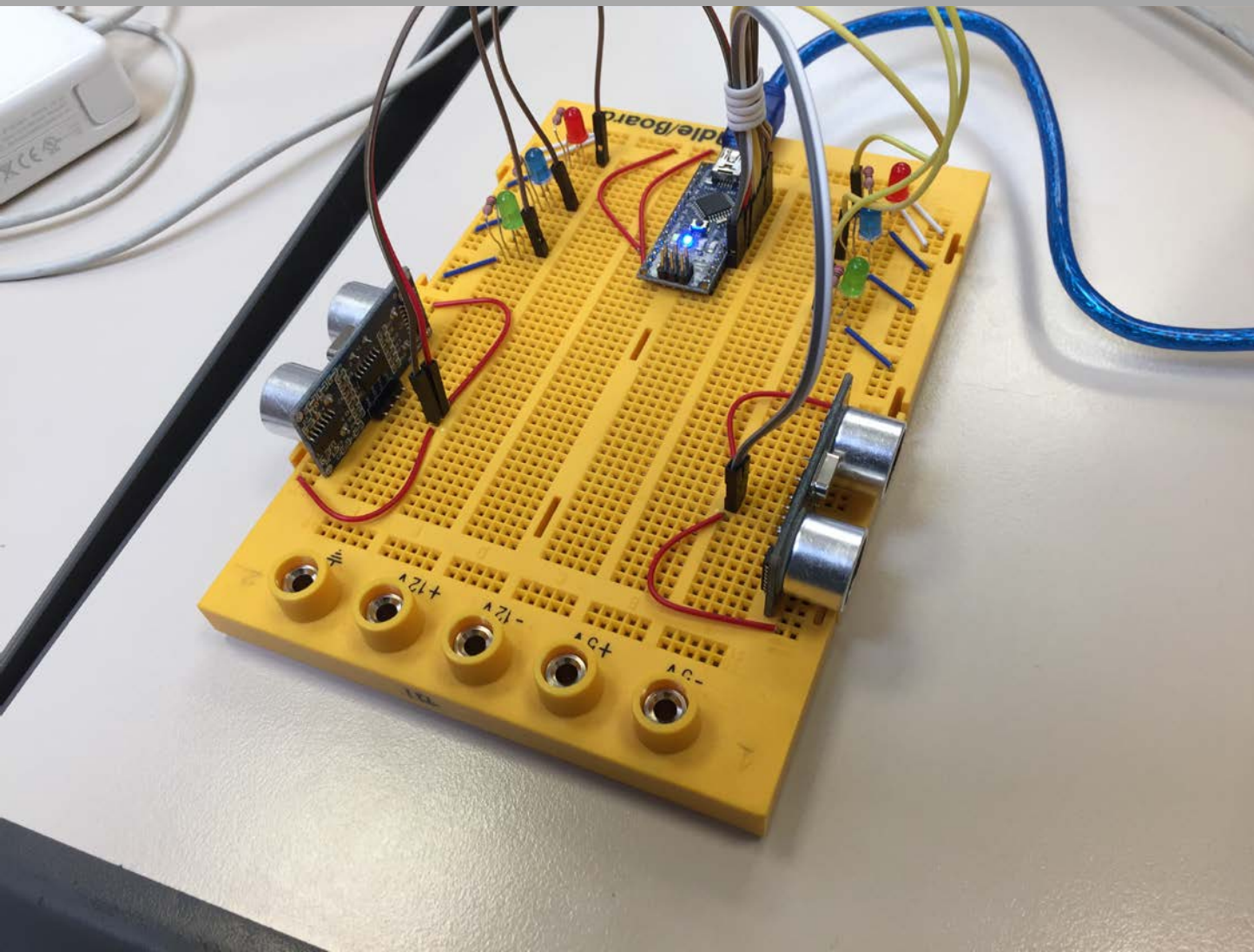


ArduinoTheremin.txt



ProcessingTheremin.txt

4) Pictures:





Muchas gracias!!