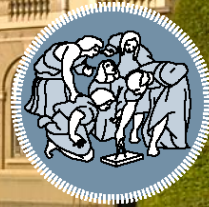Milana, XX mese 20XX

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Second Homework Computer Music Languages and Systems A.A.2022/23
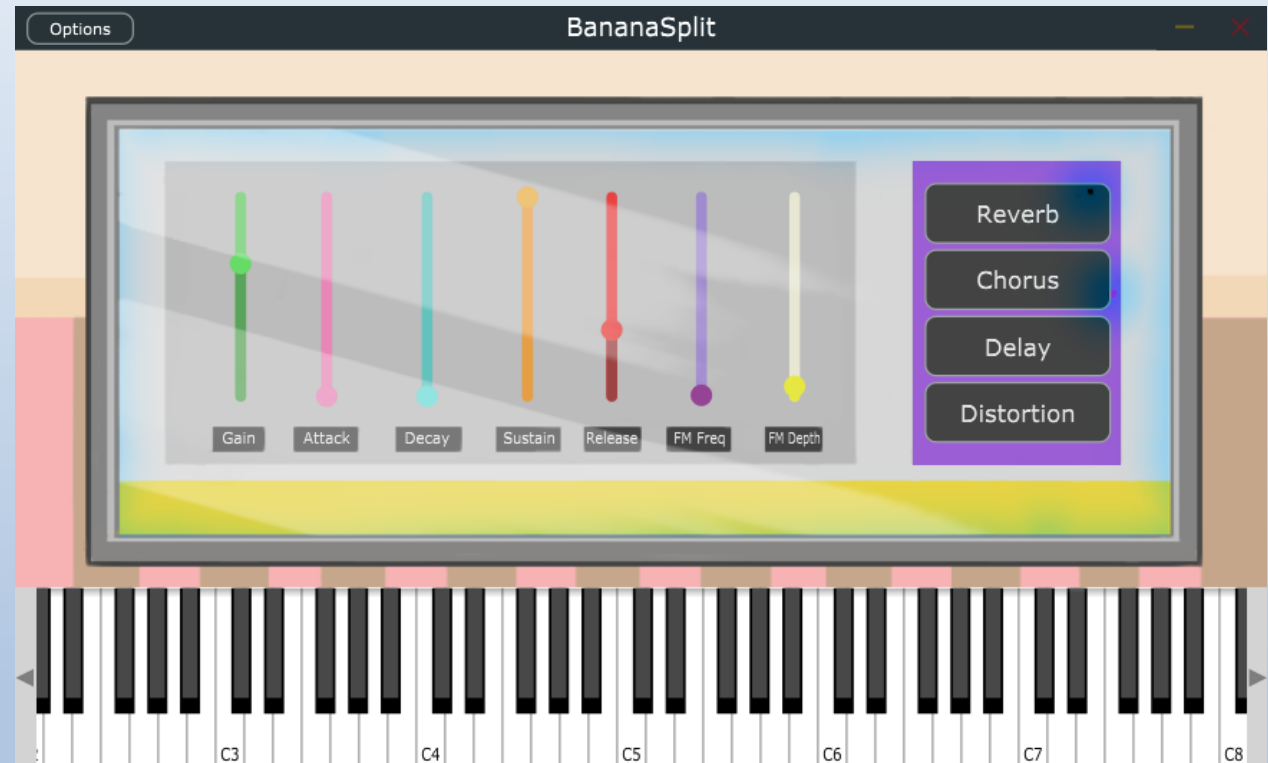
Banana Split

Group 2 - Circuitone - X. Luan, G. Costa, S. Stagno, A. Paoletti
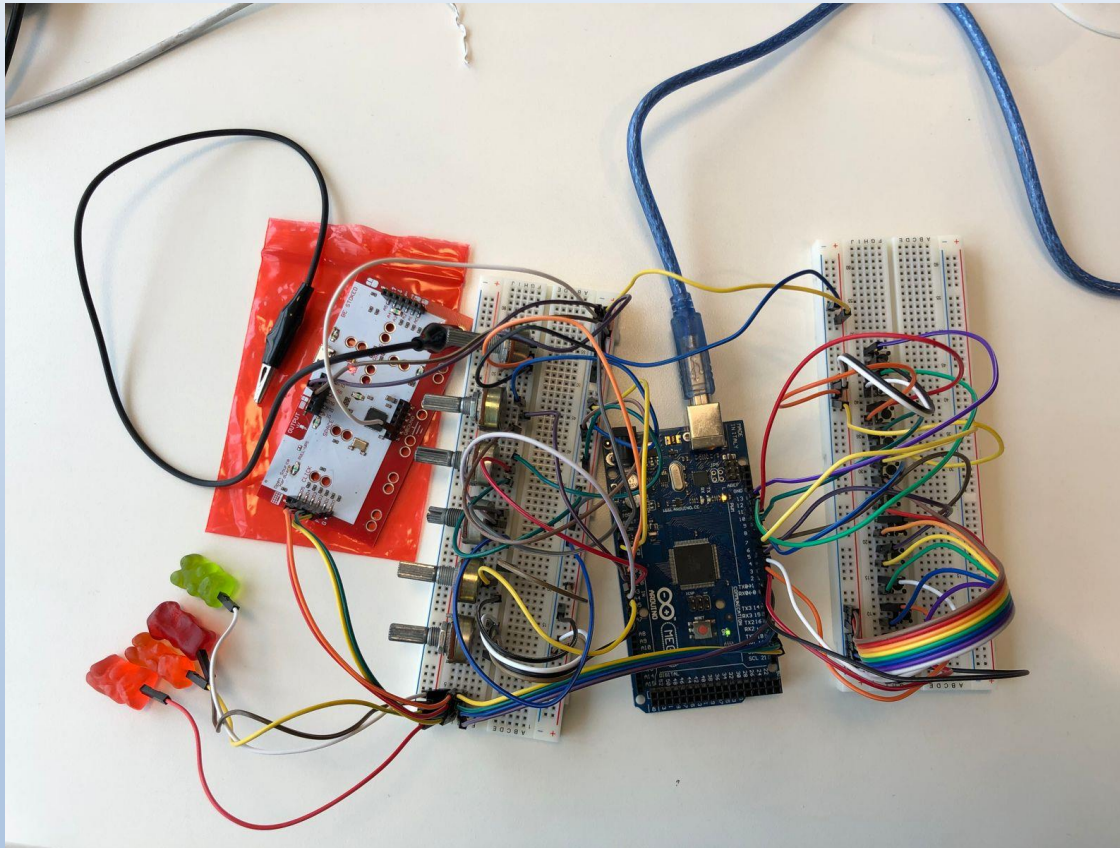
The Plugin

Banana Split is a Juce-based Plugin whose aim is to realize an *easy-to-use* **Frequency Modulated Synthesizer**.

It is mainly thought for beginners, as it is intuitive and very entertaining to play with.
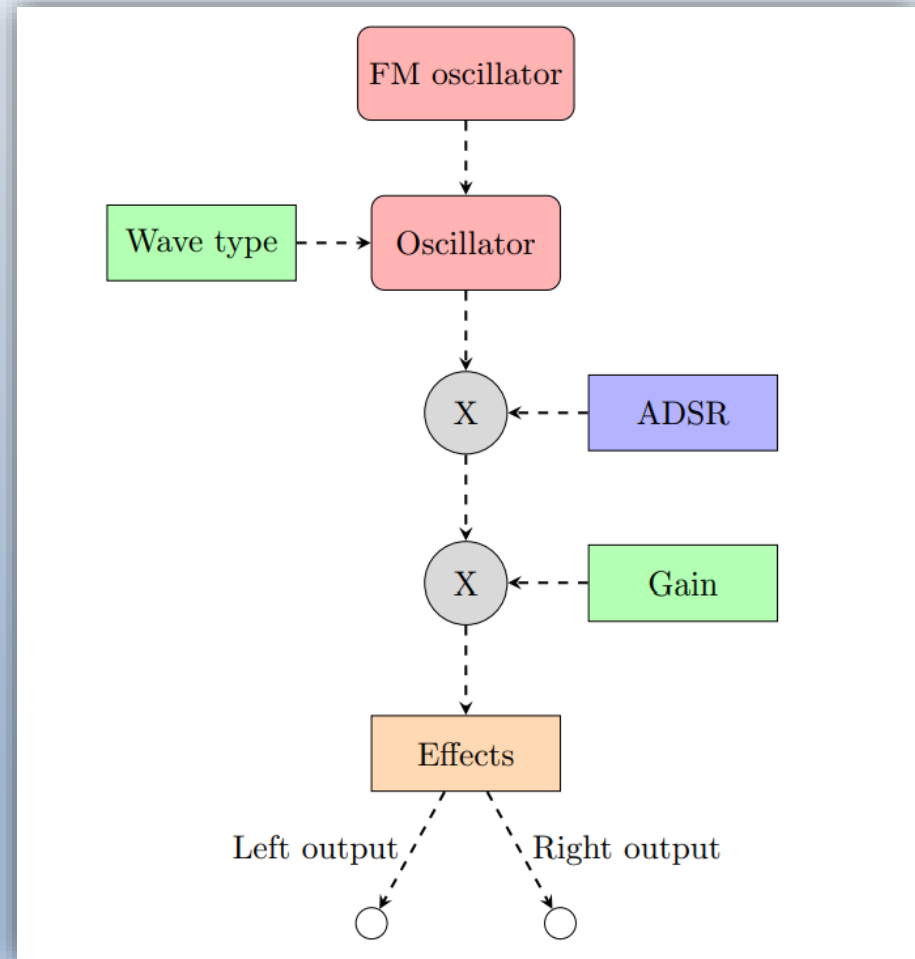
The Hardware

The main parameters of the FM Synthesizer can be manipulated also through a **hardware** setup that the developers predisposed. This equipment includes:

- **12 push buttons**
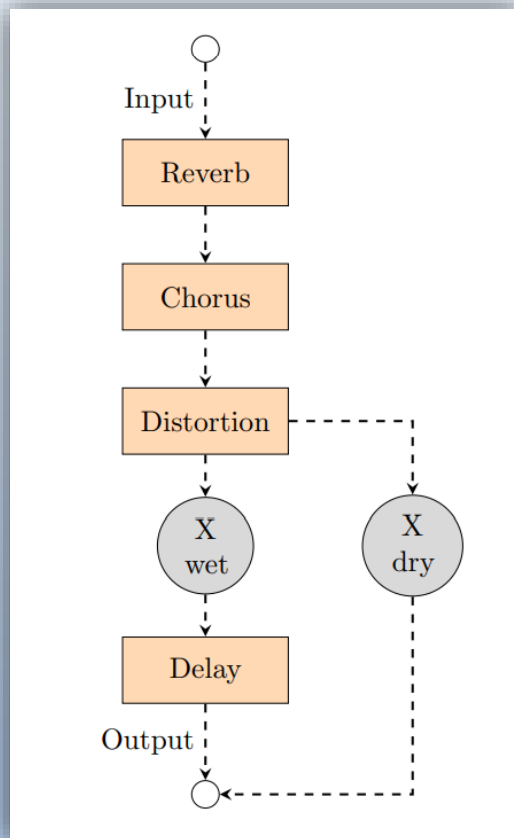- **6 potentiometers**
- **4 *candies* buttons**

General Structure

In this **block diagram**, the general structure of the plugin is shown.
Later on, the effects and their flow will be shown in more detail.

The Effects

The effects implemented in this plugin are:

- **Reverb**
- **Chorus**
- **Delay**
- **Distortion**

and they are applied in this order.

Most of them are realized with basic Juce functions, but the Delay is more sophisticated.

Thanks for the attention!