

Random Music Generator

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Overview

The Random Music Generator is a program that will be able to create songs using prewritten melodies and beats. They will be sorted by musical genre and have a tempo randomly selected upon loading. The drumbeats and melodies will also be synchronized so they do not fall out of time.

Technology

The Random Music Generator will be written using Sonic Pi, a live coding environment designed for playing music in real time. It comes with many premade synthesizer tones and allows for the creation of custom tones. Players can combine pre-existing sounds to make new ones and control the synthesizer’s sound envelope. Sonic Pi also comes loaded with many samples, including drum sounds, making it easier to write rhythms.

Timeline

For the demonstration in December, I expect to have the program loading and playing two audio files in sync.