

MixtapeStudio

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Overview

- A simple programming language that makes it easy to produce fire mixtapes (and other music)
- Goal: MATLAB for music
 - "This is the most innovative thing ever. 11/10" - My dad
 - "100 100 100 100 🤔🔥🔥🔥👉👉 denouttaden" - My roommate, Jimmy
 - "wubwubwubrrrrrrr." - Skrillex
 - "gr8 out of 8" - My other roommate, David
 - "Screw finale!" - My other other roommate, Issac
 - "This language literally burned my house down. I've lost everything. 8/10" - Not a roommate, Zach
 - "Couldn't stop touching myself if I tried. 9/10" - Hobo on the street
 - "I guess it's okay. 9/10" - IGN
 - "I'd use it." - Fig Bucking Booty (Soundcloud user)

Features

- Standard Language Features:
 - Variables
 - Loops
 - Conditionals
 - Code Blocks
 - Input/Output to Console
 - Comments
 - Random
 - Compiles
 - Doesn't crash every third line

Features

- Music Features:
 - Tempo/Time
 - Notes
 - Playback
 - Generate/save mixtapes (.midi)
 - Soothing piano noises
 - Never gives you up
 - Never lets you down

Future Improvements

- More musician friendly:
 - Abstractions over ints as notes (i.e. mappings for A4, etc.)
 - Add key signatures
 - Chord building functions
 - Large room for improvement by incorporate more ideas from music theory
 - More sweet mixtape demos
- Issues with getting a MidiDevice
- Fix issue where fire mixtapes burn down houses