

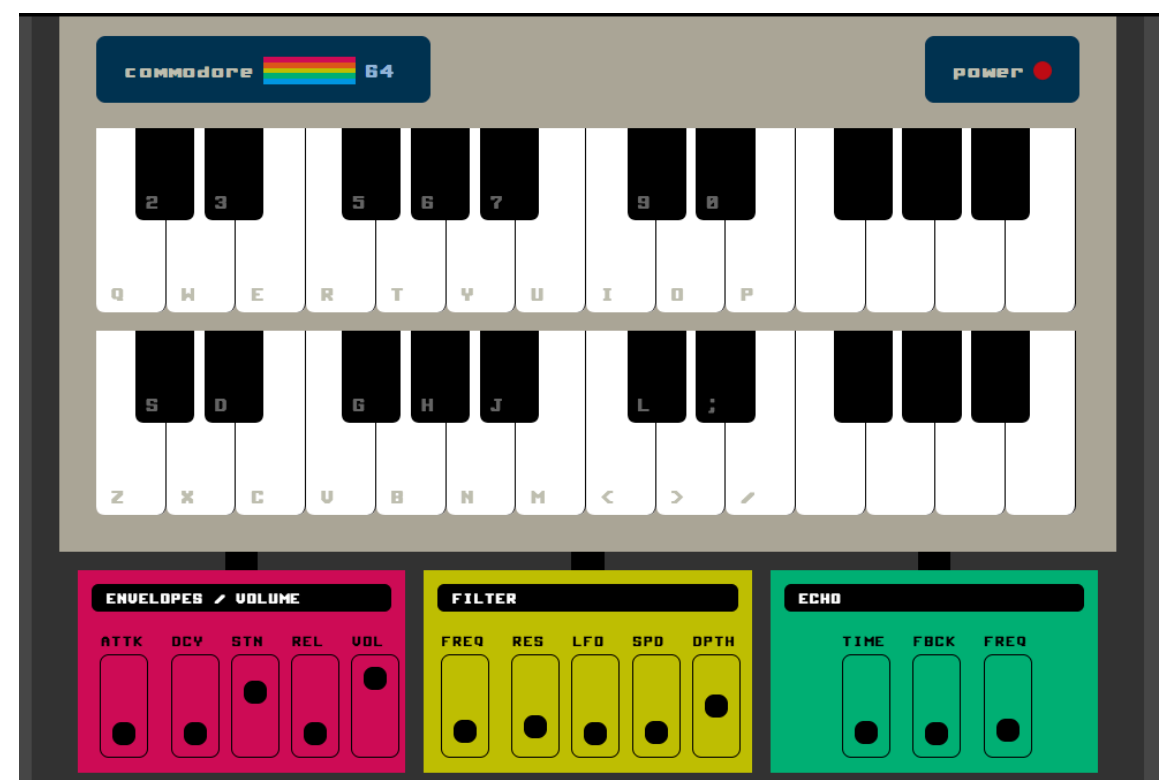


Randy Rollofson  
GlobalSynth  
MIT License  
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[github.com/randyrollofson/GlobalSynth](https://github.com/randyrollofson/GlobalSynth)  
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Meant for

- Musicians
- Kids
- Adults
- Anyone who enjoys creating sounds



## Other Web Audio Synths

- Similar Functionality
- 2 oscillators (only 1 on Commodore)
- Filter (Lowpass)
- Mixer
- Effects
- Envelope Filter
- Commodore & GlobalSynth: strictly CSS
- Others: Images or Image/CSS combo



## What worked?

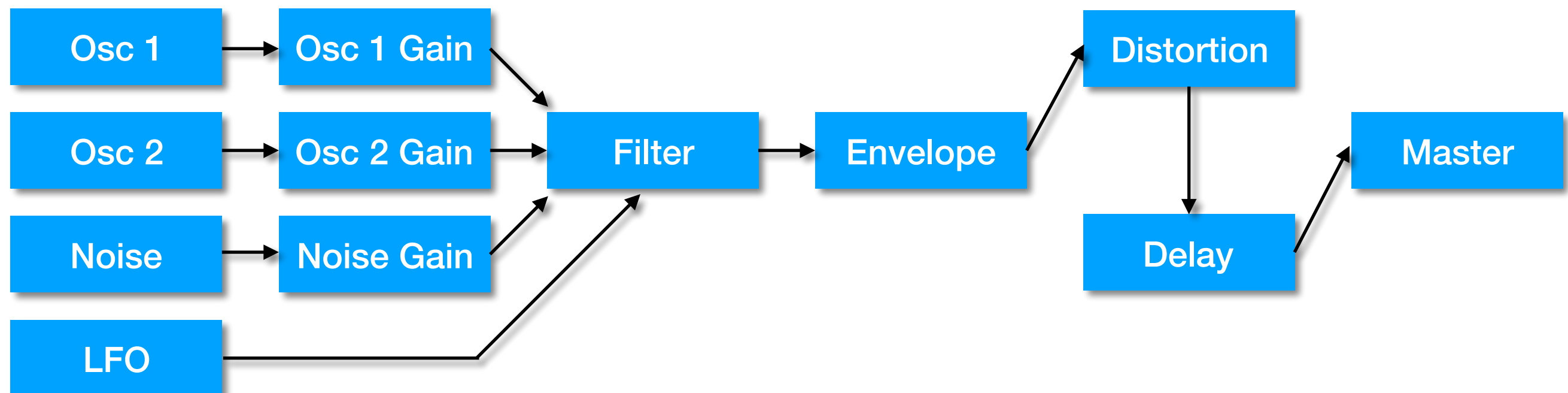
- Learned HTML/CSS/JavaScript
- Web Audio API was very user friendly
- Easy to get sound happening quickly
- Easy to connect nodes and create a signal path
- Started with a single oscillator -> gain path and incrementally added new features

## What didn't work?

- Should have waited to build UI until final design was complete
- Some code redundancy. Could be refactored



## Signal Path





### Things to improve

- Add MIDI functionality
- Add velocity sensitivity
- Expand keyboard range
- Add more filters/effects
- Add arpeggiator
- Record/playback



Code: [github.com/randyrollofson/GlobalSynth](https://github.com/randyrollofson/GlobalSynth)

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