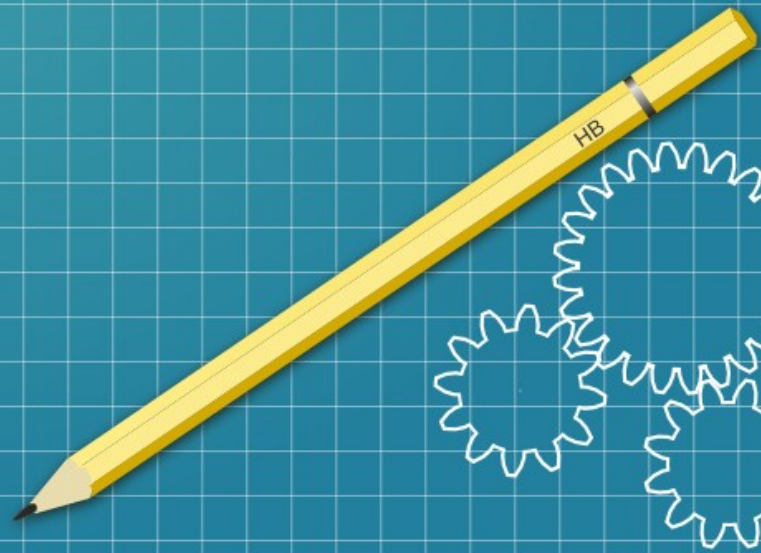


Single tone synthesizer (with distortion module)

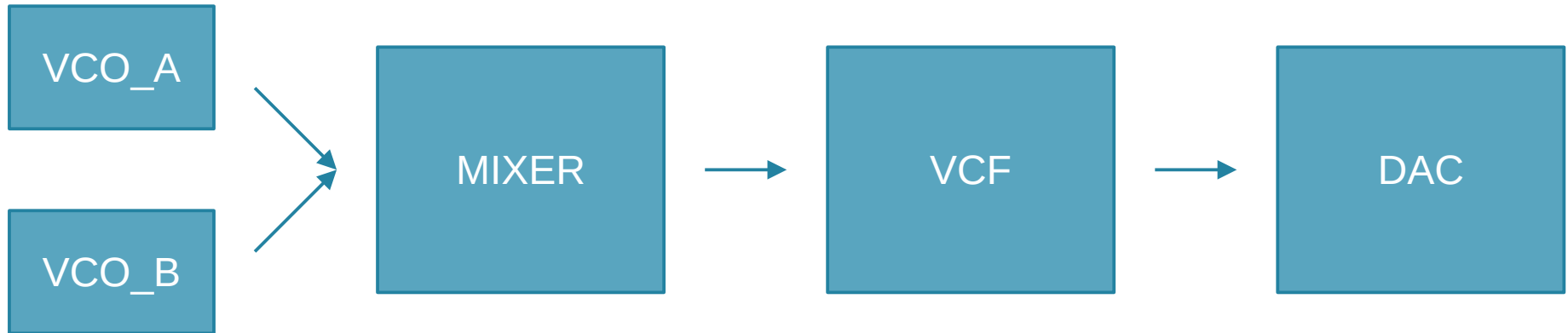
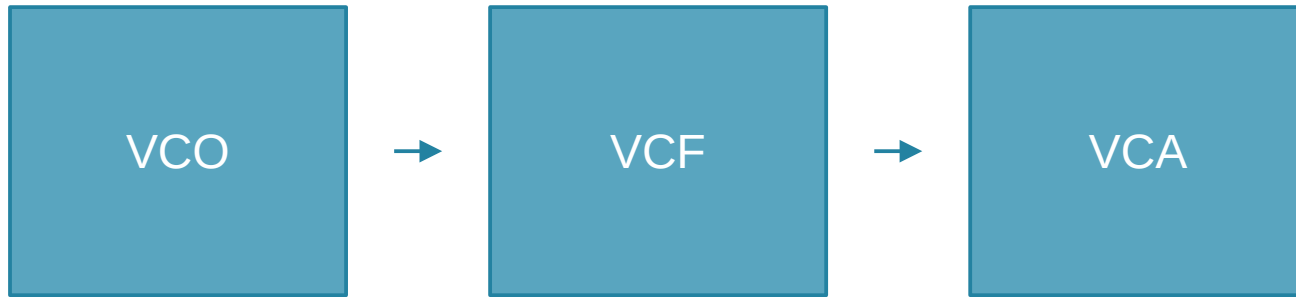
Arshdeep Singh



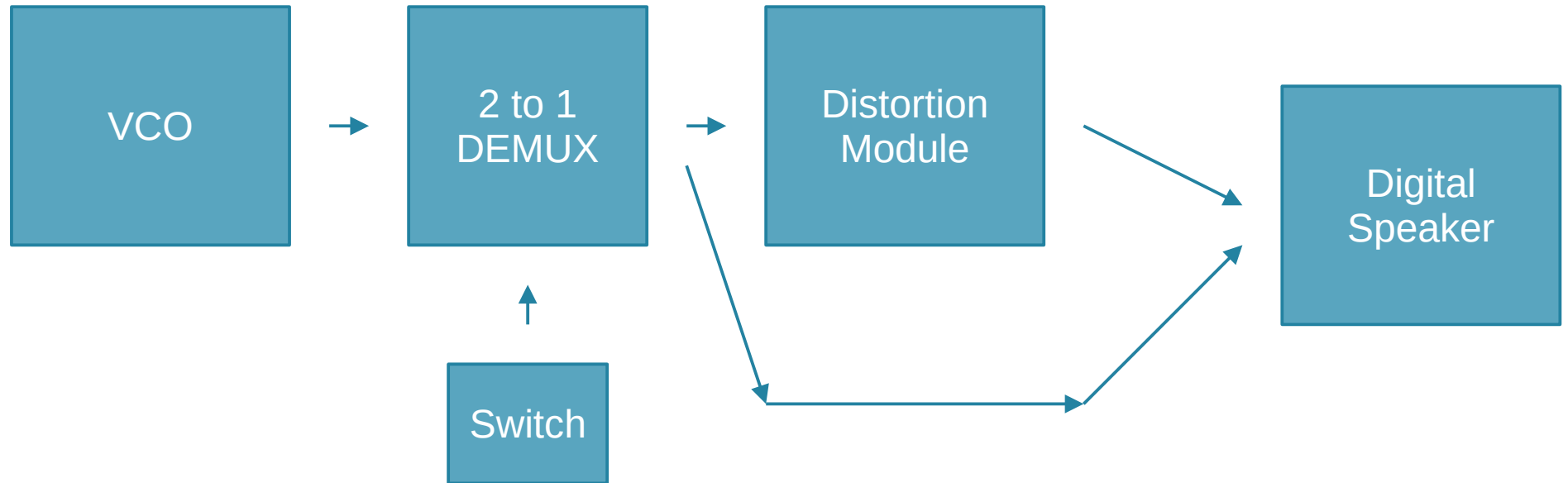
SO MANY DIFFERENT SYNTHS!!!



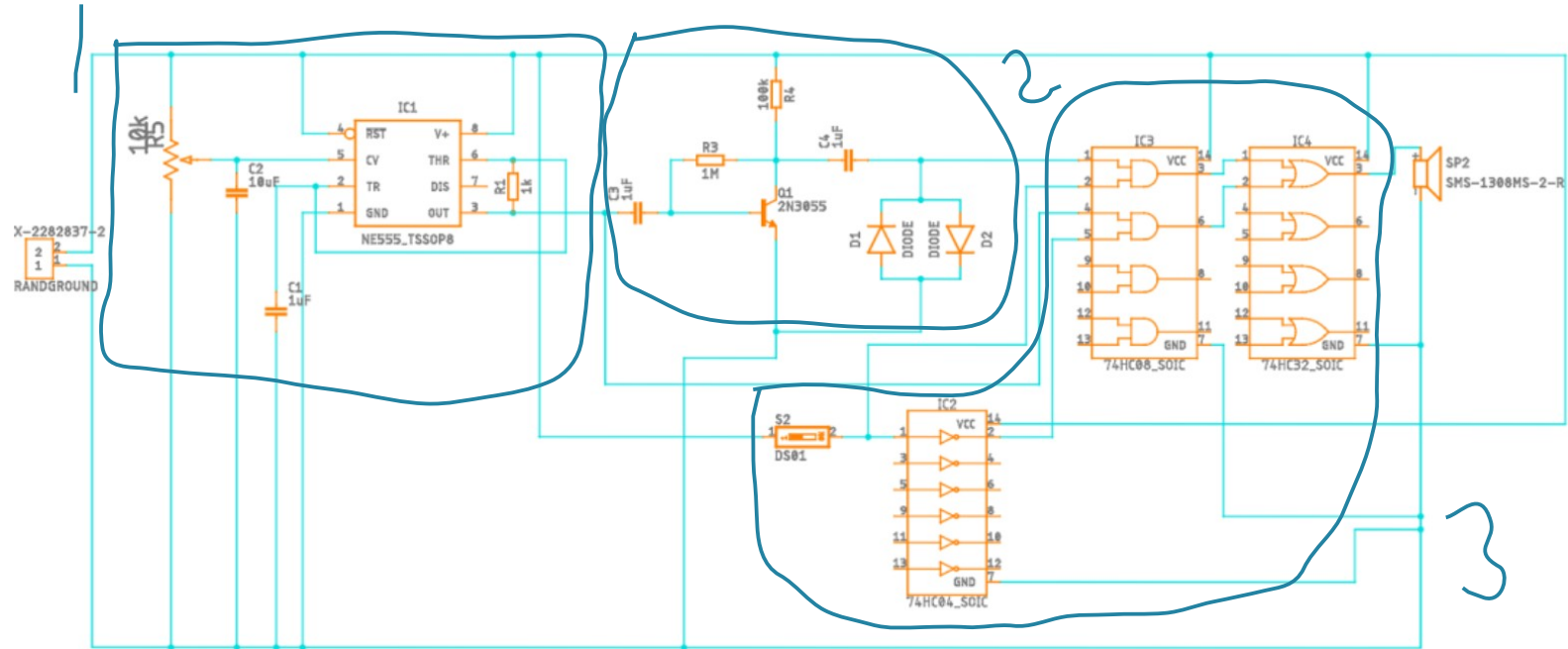
Basic Structure of a Synthesizer



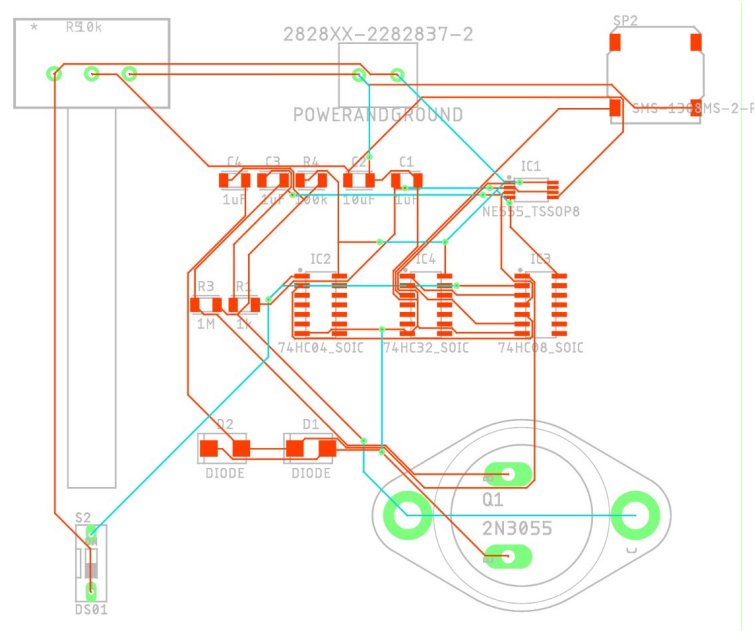
Structure of my Synth



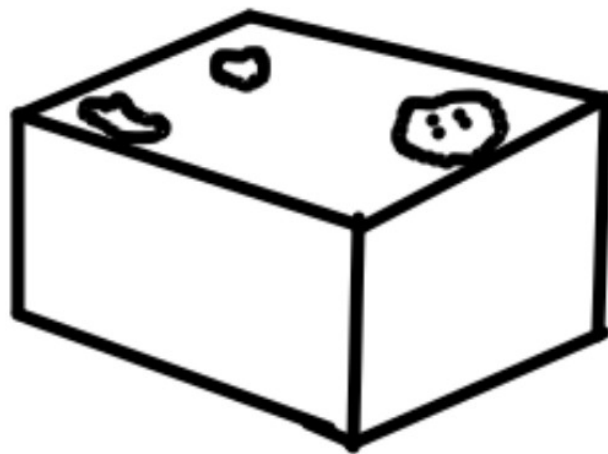
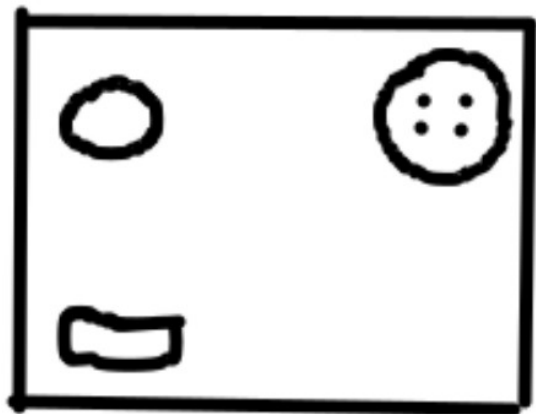
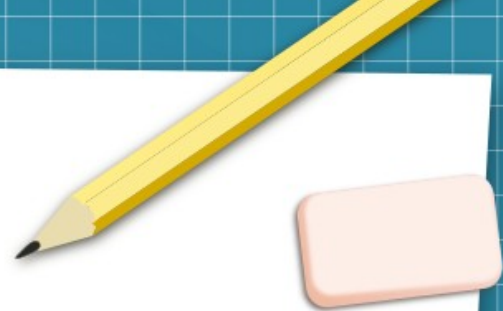
Schematic

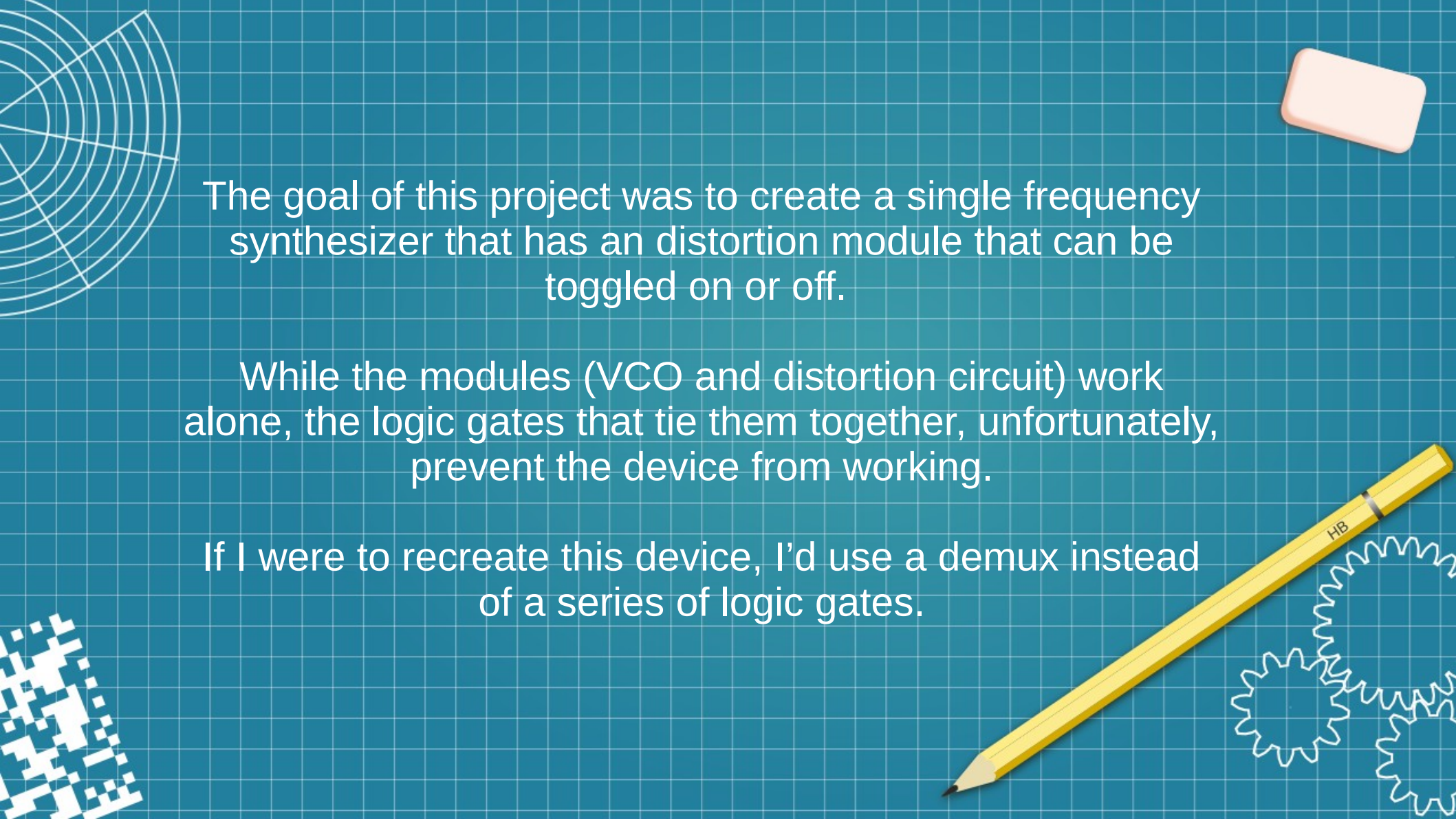


PCB



PCB





The goal of this project was to create a single frequency synthesizer that has an distortion module that can be toggled on or off.

While the modules (VCO and distortion circuit) work alone, the logic gates that tie them together, unfortunately, prevent the device from working.

If I were to recreate this device, I'd use a demux instead of a series of logic gates.