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Final Project Design
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Computer Programming for Musicians

General Layout

What will my website look like?

I want to have buttons to turn each effect on and off. Those will be at the top of the page, right under my page name and explanation of effects. I will also have sliders to control each effect. Attached is a diagram of how the page will look along with a diagram of how the MIDI data will travel.

Specifics

For transposition:

- Users will be able to control how much the sound is transposed. If the “On/Off” button is turned off, it will be defaulted to 0 so the sound is unchanged

For chord creation:

- There will be a dropdown menu with several chord selections for users to choose from. If the “On/Off” button is turned off, the chord creation function will just return the initial pitch

For arpeggiator:

- Users will be able to control how quickly the arpeggiator goes. The arpeggiator will take whichever chord is selected in the chord creation and use that to arpeggiate, so the two functions will work in tandem. If the “On/Off” button is turned off, the arpeggiation function will just return the initial pitch

For delay:

- Users will be able to control how long the delay is. If the “On/Off” button is turned off, the delay function will just return the initial pitch

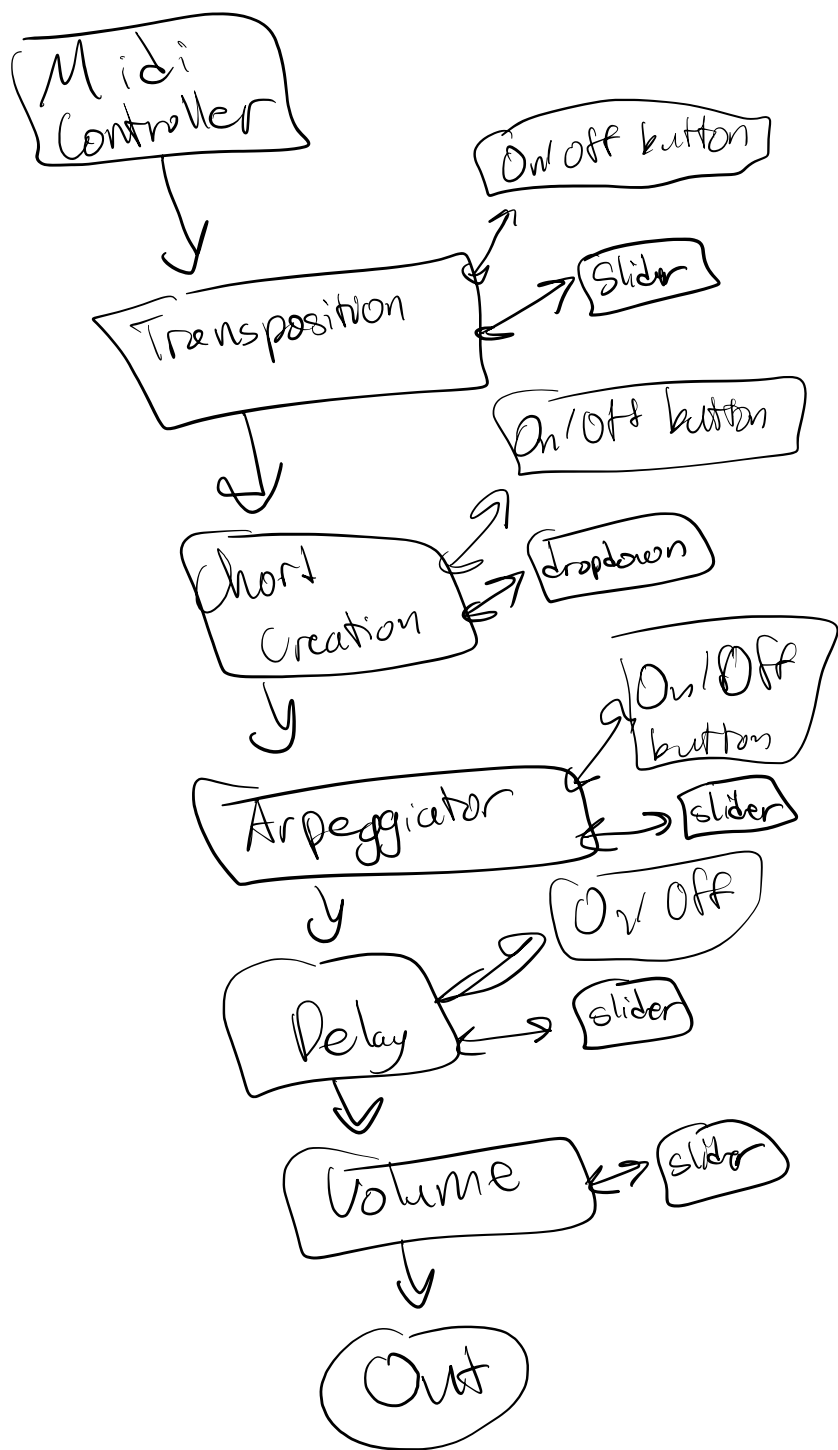
For volume:

- Users will be able to use a slider to control the volume output

Other

I got a bit caught up in trying to actually do the code, so nothing really works yet but I have a lot of stuff that will be implemented in the final deployment.

My diagram of my webpage is a bit rough, but I really just want to group the controls/explanation for each aspect all together and I will have it in the order that the data travels so that users can understand more easily the route the data takes.



Mod Effects

Explanation of effect

Transp. controls (Slider, On/off button)

Explanation of effect

Chord creation ctrls (dropdown menu, on/off button)

Explanation of effect

App. ctrls (slider for rate, on/off button)

Explanation of effect

Delay ctrls (slider, on/off button)

Volume slider