Virtual Instrument - The user's Manual

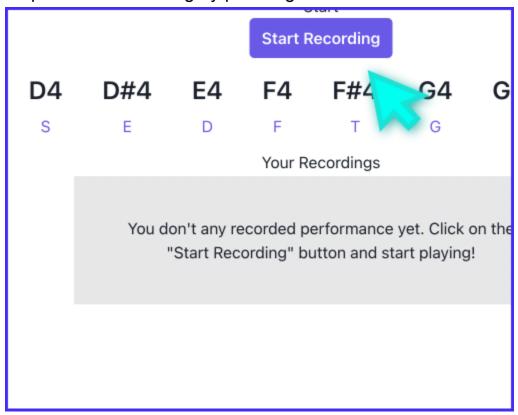
Qinyu Chen https://chloegino.github.io/virtual-instrument/

Overview

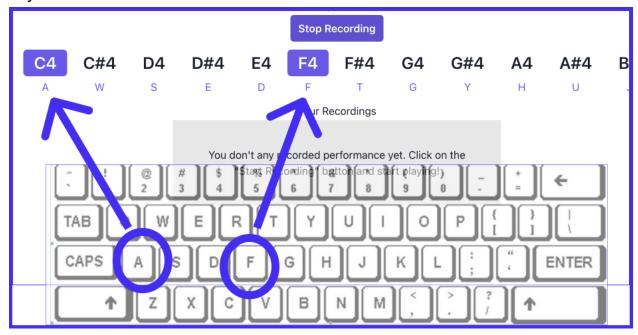
The virtual instrument is a web application that allows users to play melodies by pressing a range of keys on a virtual keyboard or using their computer keyboard. It enables users to record their performance, and play it back. In addition, the application provides a visual editor where users can edit the music they have recorded.

Play and Record

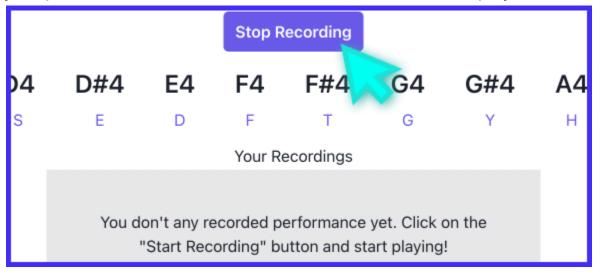
Step#1: Start recording by pressing the "start record" button.



Step#2: Play the melody by using your laptop keyboard or pressing the keys



Step#3: After finishing playing the melody, press the "Stop Record" button, your performance will then be recorded and added to the playlist.



Step#4: Play it back by pressing the "play" button!

	Start Recording						
D4	D#4	E4	F4	F#4	G4	G#4	A4
S	Е	D	F	Т	G	Υ	Н
Your Recordings							
	#		TITLE DURATION(S)				
_	play		Recording 1		0.23	edit	

Step#5: Repeat the above steps and make more music!

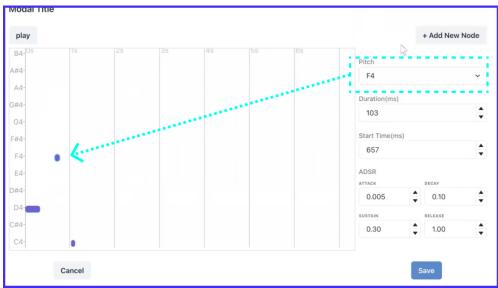
Edit
Step1: Select the track you want to edit and a edit window will pop up

Start Recording								
D#4	E4	F4	F#4	G4	G#4	Α4		
Е	D	F	Т	G	Υ	н		
Your Recordings								
#		TITLE	D	URATION(S)				
1		Recording 1		4.76	edit			
play		Recordin	g 2	1.11	edit			

Step2: Select a note by clicking on it

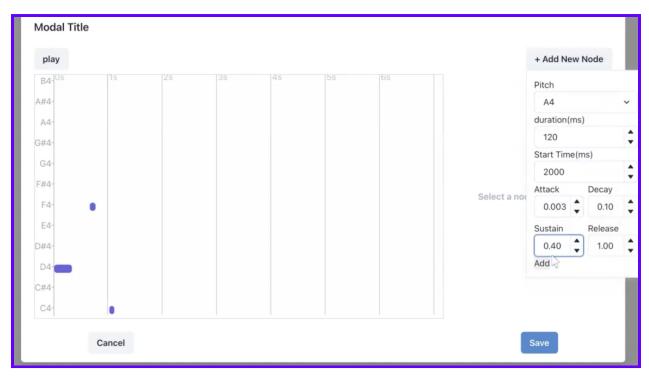
- Change the length/duration of the note
- Change the pitch
- Change the start time
- Adjust the ADSR envelope
- If you want to delete the note, press the "delete" key on your laptop keyboard



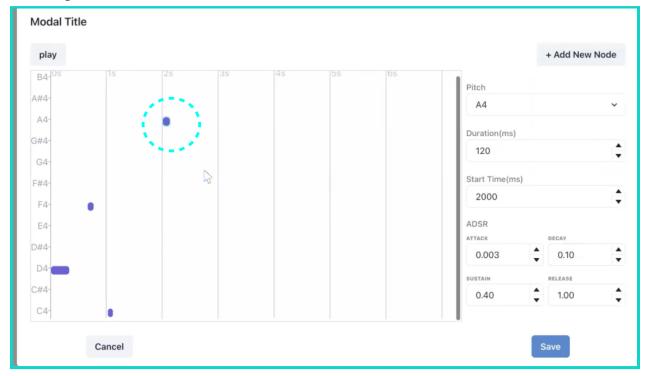


Step3: Now play the edited melody by clicking on the "Play" button on the top left corner

Step4: Add a note by clicking on the "Add note" button and entering the information



Step5: The note has been successfully added to the track! Now try to play it back again



Step6: After finishing editing, save your changes by clicking on the "Save" button. The editor modal will then be closed

Step7: Try playing the edited track again and you should be able to tell that it has been successfully edited

			Start R	Start Recording				
D4	D#4	E4	F4	F#4	G4	G#4	A4	
S	E	D	F	Т	G	Υ	Н	
Your Recordings								
	#		TITLE	D	URATION(S)			
	1		Recording 1		4.76	edit		
	PLAY		Recording	g 2	2.12	edit		

Have Fun Making Music!

https://chloeqino.github.io/virtual-instrument/