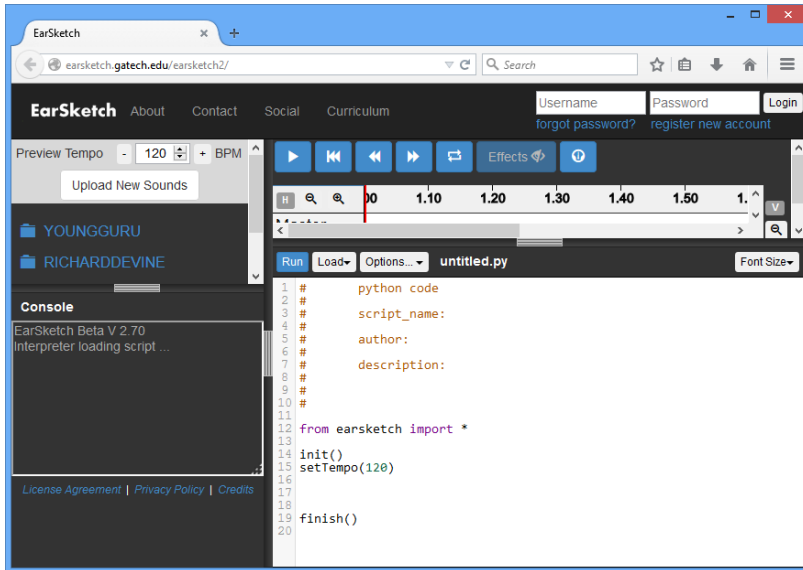


EarSketch

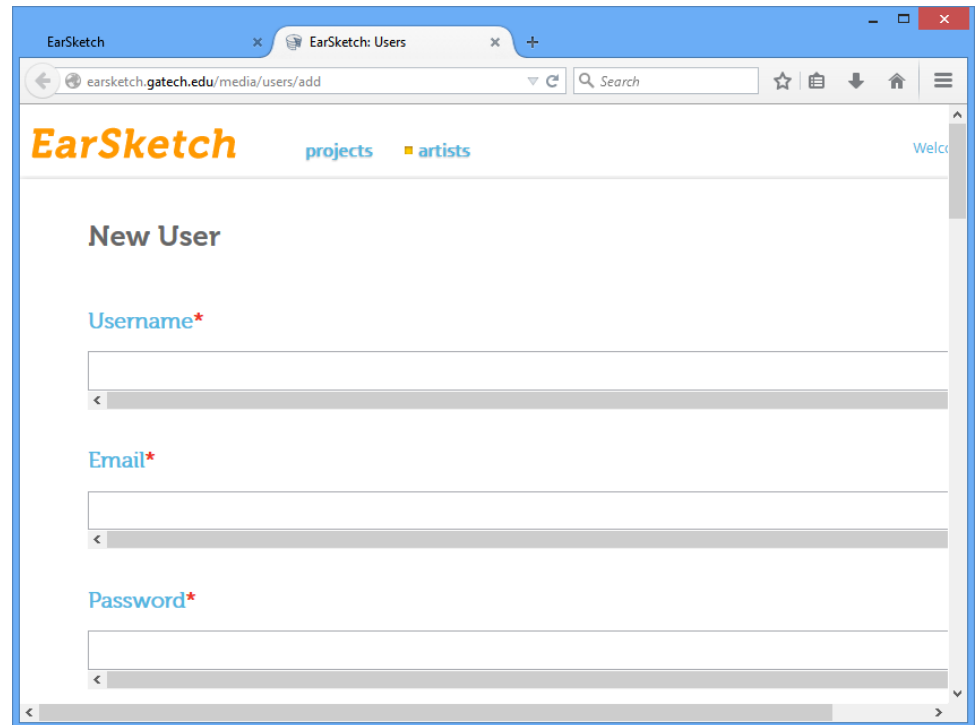
Music Mixing with Python

Hour Of Code Sequence

Creating EarSketch Account



1. Click Register New Account



2. Fill Out Information

-Remember your Username
and Password

3. Log in at Workstation View

EarSketch Workstation

Music
Sample
Library

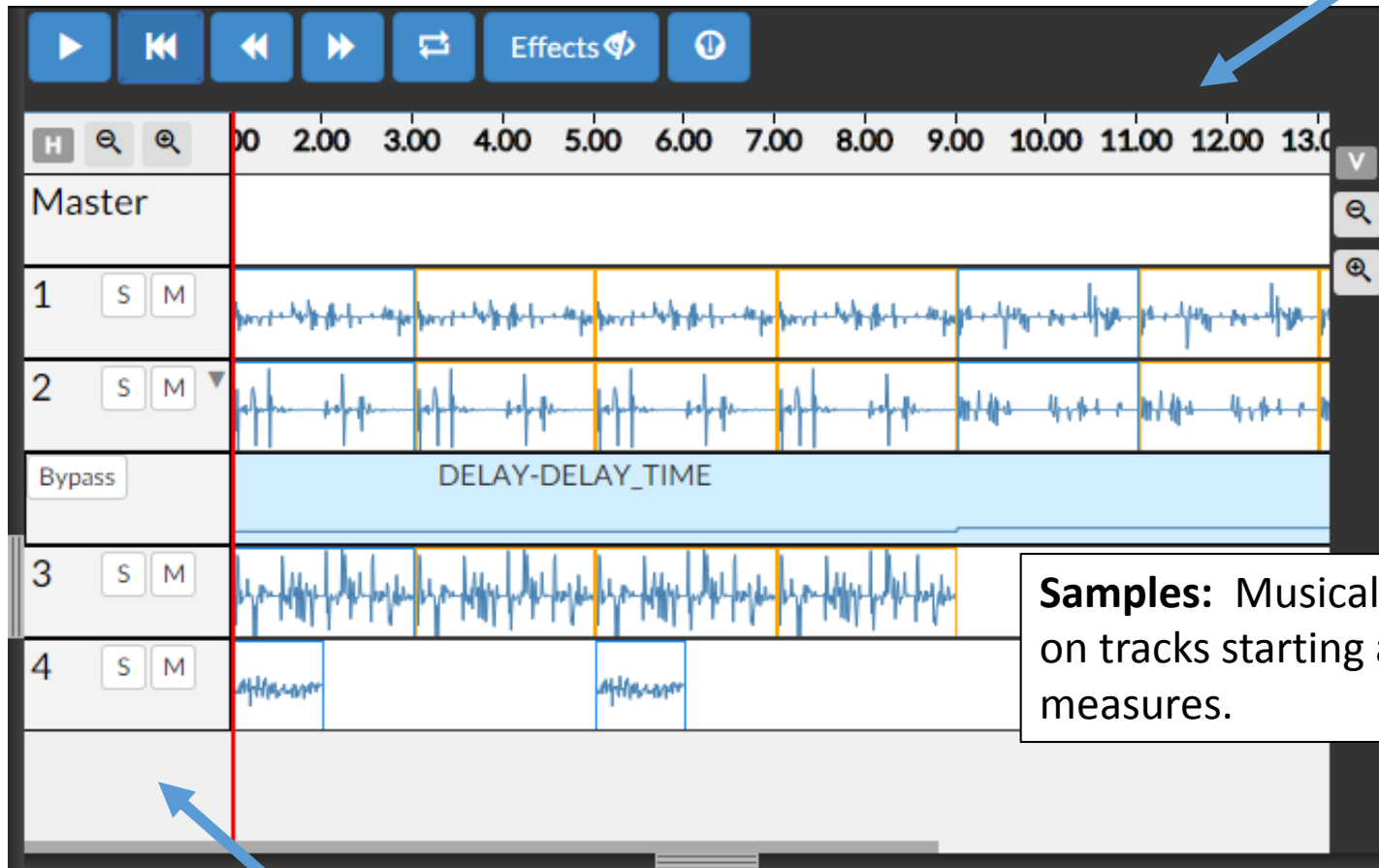
The screenshot displays the EarSketch Workstation interface. At the top, the browser address bar shows 'earsketch.gatech.edu/earsketch2/'. The navigation menu includes 'EarSketch', 'About', 'Contact', 'Social', and 'Curriculum'. A 'logged in' status and 'Logout' button are visible in the top right. The main interface features a 'Preview Tempo' control set to 120 BPM, a 'Upload New Sounds' button, and a 'Music Sample Library' on the left with folders for 'YOUNGGURU', 'RICHARDDEVINE', 'MAKEBEAT', and 'USERSOUNDS'. The central 'Music Viewer' displays a digital audio workstation (DAW) with three tracks: 'Master', '1', and '2', each with 'S' (Solo) and 'M' (Mute) buttons. A 'Bypass' button and a 'DELAY-DELAY_TIME' parameter are also visible. The bottom section is the 'Programming Area', which includes a 'Run' button, a 'Load' dropdown, and an 'Options...' dropdown. The code editor shows Python code for a script named 'lastnameABw.py' with parameters for 'script_name', 'author', and 'description'. A 'Font Size' dropdown is located in the bottom right of the programming area.

Music Viewer

Programing
Area

Mixing Music

Measures: Time element in music.
Starting and ending of clips



Samples: Musical Sounds placed
on tracks starting and ending at
measures.

Tracks: Layers of musical samples.
Hold the different sounds.

“fitMedia” Function

```
fitMedia(file, track, start, end)
```

Location of
Media
Sound

Which Track
in Reaper

Start
measure.

End Measure

Example:

```
fitMedia(HIP_HOP_DRUMS1_2M, 1, 1, 9)
```

Example:

Place fitMedia() commands between the 'setTempo()' and 'finish()' commands.

```
11 ..
12 from earsketch import *
13
14 init()
15 setTempo(120)
16
17 fitMedia(HIPHOP_DUSTYPERCUSSION_002, 1, 1, 9)
18
19 finish()
20
21
```

Music Clip:

Track 1

Start: Measure 1

End: Measure 4 (1 less than 5)









Importing Music Overview

1. Download to Desktop
2. Click Upload on EarSketch Website
3. Name and Set Tempo to match FileName
4. Constant will be in User Sounds

1. Download to Desktop

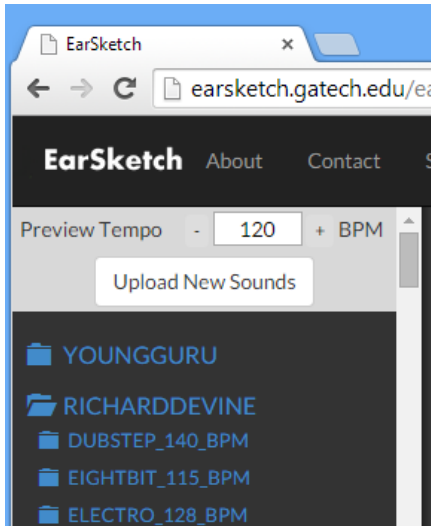
- <http://nebomusic.net/earskechlessons/musicclips/>
- Right Click (Control Click) – Save Link As

Index of /earskechlessons/musicclips

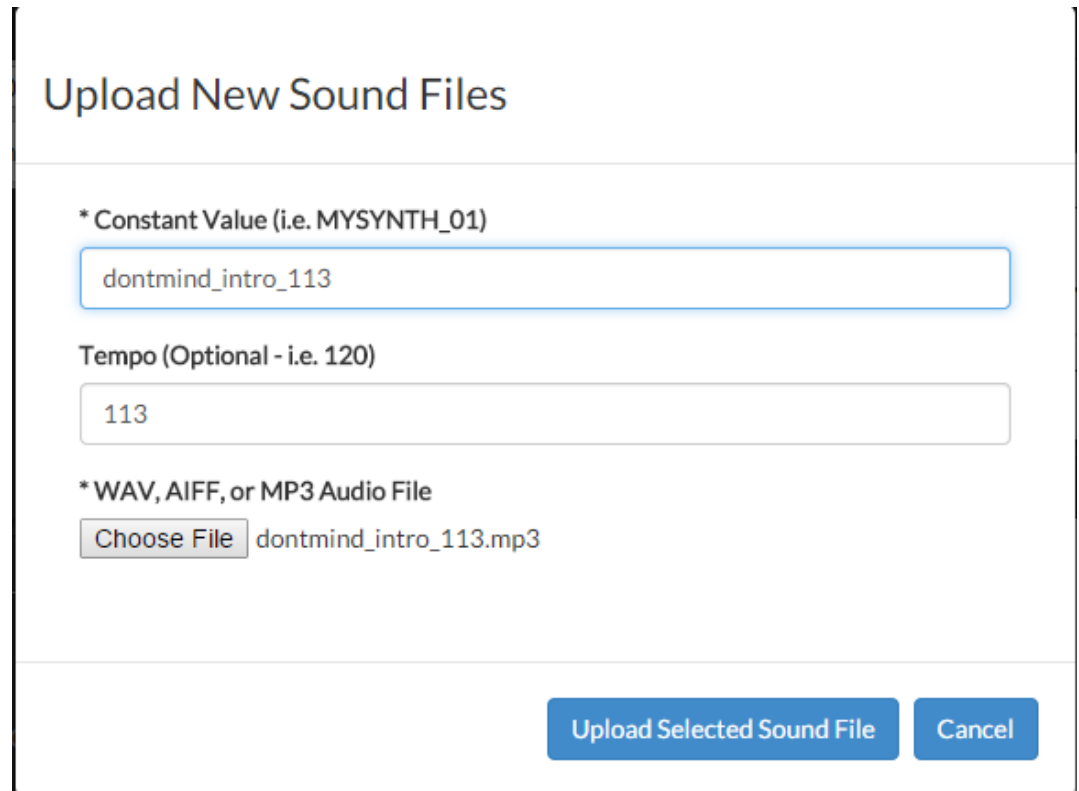
<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 Parent Directory			
 bodylanguage_intro_105.mp3	12-Dec-2014 21:06	152K	
 climax_chorus_68.mp3			
 dontmind_intro_105.mp3			
 withoutyou_intro_105.mp3			
 withoutyou_verse_105.mp3			
 yeah_a_105.mp3			
 yeah_intro_105.mp3	12-Dec-2014 21:06	144K	

2. Upload to EarSketch

1. Click Upload



2. Select File From Desktop by choosing “Choose File”

A screenshot of the 'Upload New Sound Files' form. The form is titled 'Upload New Sound Files' and contains several input fields and buttons. The first field is labeled '* Constant Value (i.e. MYSYNTH_01)' and contains the text 'dontmind_intro_113'. The second field is labeled 'Tempo (Optional - i.e. 120)' and contains the number '113'. The third field is labeled '* WAV, AIFF, or MP3 Audio File' and contains a 'Choose File' button followed by the text 'dontmind_intro_113.mp3'. At the bottom right of the form, there are two buttons: 'Upload Selected Sound File' and 'Cancel'.

3. Name File and Set Tempo

Upload New Sound Files

* Constant Value (i.e. MYSYNTH_01)

Tempo (Optional - i.e. 120)

* WAV, AIFF, or MP3 Audio File

Choose File dontmind_intro_113.mp3

Upload Selected Sound File Cancel

4. Constant in User Sounds

The screenshot displays the EarSketch web interface. At the top, the navigation bar includes 'EarSketch', 'About', 'Contact', 'Social', and 'Curriculum', along with a 'logged in' status and a 'Logout' button. The left sidebar shows a 'USERSOUNDS' folder containing several audio files, including 'NEBOMUSIC_BODYLANGUA...', 'NEBOMUSIC_CLIMAX_136', 'NEBOMUSIC_CLIMAX_CHO...', 'NEBOMUSIC_DONTMIND_112', 'NEBOMUSIC_DONTMIND_I...', 'NEBOMUSIC_HAPPY_CHOR...', and 'NEBOMUSIC_WITHOUTYOU...'. The main workspace features a digital audio workstation (DAW) interface with a timeline from 0.00 to 7.00 seconds. A 'Master' track and a track labeled '1' are visible. The track '1' contains a blue waveform representing an audio signal. Below the DAW, there is a 'Run' button, a 'Load' dropdown, an 'Options...' dropdown, and a file name 'untitled.py'. A 'Font Size' dropdown is also present. The bottom section shows a Python script editor with the following code:

```
6 #
7 #     description:
8 #
9 #
10 #
11
12 from earsketch import *
13
14 init()
15 setTempo(112)
16
17 fitMedia(NEBOMUSIC_DONTMIND_112, 1, 1, 9)
18
19 finish()
20
21
22
```

At the bottom left of the console area, there are links for 'License Agreement', 'Privacy Policy', and 'Credits'.

Export as .mp3 file for Video Project

1. Select Options – Save MP3 to Computer

2. Click Orange Button to download file to Computer

