Introduction to Digital Media

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Audio Project
Fall 2016

Hardware Used:

MSI Laptop
Memory: 12GB Ram
Graphics Card: NVIDIA GeForce GTX 870M
iPhone 6

Software Used:

Apple GarageBand
Audacity

Project links:

This is the Project link before peer evaluation:
https://rckc68.github.io/DM/A2/audioprojectfinal.mp3

This is the Project link after peer evaluation:
https://rckc68.github.io/DM/A2/audioprojectfinal2.mp3

Project Description:

- The background music track was created using GarageBand
- I used the Live Loops Hip Hop premade soundboard
- I recorded a 1 minute and 30 second long song in the app.
- Saved to iTunes and I was able to access it through my computer to import into audacity.
- The voice track was recorded using the voice memos app on iPhone.
- Through the voice memos app, I emailed the recording to myself so that I could access it on my computer to import into audacity.
- Once I got the audio tracks imported to audacity I cut the background music track down to 1 minute and then added a fade out effect for the last 2 seconds (later changed to 5sec after peer eval).
- I reduced the gain of the background music track to -11dB because it was a little loud altogether.
- I increased the gain on the voice track to +5dB because it was too quiet.
- I changed the playback volume from .14 to .10.

- I used the envelope tool on the background music track to partially fade out from the 11 sec to 14 sec mark and fade in from the 45 sec to 48 sec mark
- The voice track starts 15 seconds in and ends at the 45 second mark.
- In the voice track I talk about some of the different effects you can use in audacity and when I mention the effect name, I added that effect to that section of the audio.
- These are the effects that were used, in order.
- Echo:
  - Select the section of audio you want to add the Echo effect to
  - Go to the effects tab and select Echo from the dropdown menu
  - Set the delay time to .5 seconds and the decay factor to .4 seconds
- Change tempo(1):
  - Select the section of audio you want to add the Change Tempo effect to
  - Go to the effects tab and select Change Tempo from the dropdown menu
  - Set the Percent Change to -60
- Change Tempo(2):
  - Select the section of audio you want to add the Change Tempo effect to
  - Go to the effects tab and select Change Tempo from the dropdown menu
  - set the Percent Change to +150
- Change Speed(1):
  - Select the section of audio you want to add the Change Speed effect to
  - Go to the effects tab and select Change Speed from the dropdown menu
  - Set the Speed Multiplier to 2
- Change Speed(2):
  - Select the section of audio you want to add the Change Speed effect to
  - Go to the effects tab and select Change Speed from the dropdown menu
  - Set the Speed Multiplier to .5
- Delay:
  - Select the section of audio you want to add the Delay effect to
  - Go to the effects tab and select Delay from the dropdown menu
  - Set the Delay type to bouncing ball, set the Delay level per echo to -3, set the Delay time to .33, set the Pitch change effect to Pitch/Tempo, set the Pitch change per echo to 1.5, set the Number of echoes to 15 and allow the duration to change
- Reverb:
  - Select the section of audio you want to add the Reverb effect to
  - Go to the effects tab and select Reverb from the dropdown menu
  - Load the Cathedral preset, then set Tone High to 25%, set Wet Gain to 5dB, set Dry Gain to -5dB, and leave everything else alone.
- Export as mp3.

Copyright Notices, if needed:

      Tools used: GarageBand Live Loops Hip Hop premade soundboard

Screen shot: