AUDIO PRODUCTION ASSIGNMENT 1

TFI Smarter Travel

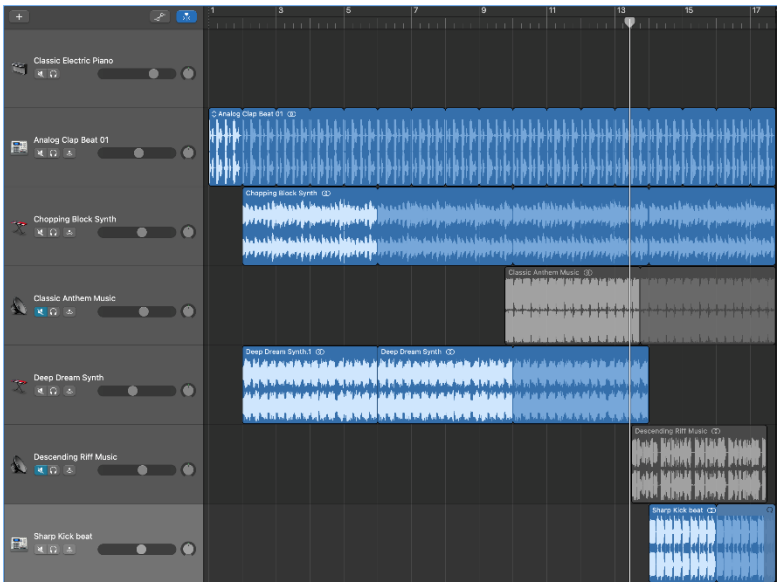
Diarmuid O Connor (20071587)

To begin the assignment, I began with the creating the initial script. The topic of bike sharing was researched and a script was created. Each line contained no more than 7 words which would help when formatting later. This initial script was reworked many times until I was happy with it, this file is named TEXT_SCRIPT.

This initial script was then formatted to be a VO script, which the line broken up and who is voicing them associated along with any other relevant details, VO_SCRIPT.

Next the script was recorded, I was voicing the narrator and so went ahead and recorded all my lines first. Their many takes taken until I felt I was happy and I selected the best take of them, this take is the RECORDING_MASTER file. The second character in my script only has one line and so I asked my classmate Jake Power to record the line. I was going to use his recording almost as a sound effect as it would play in the background of the track.

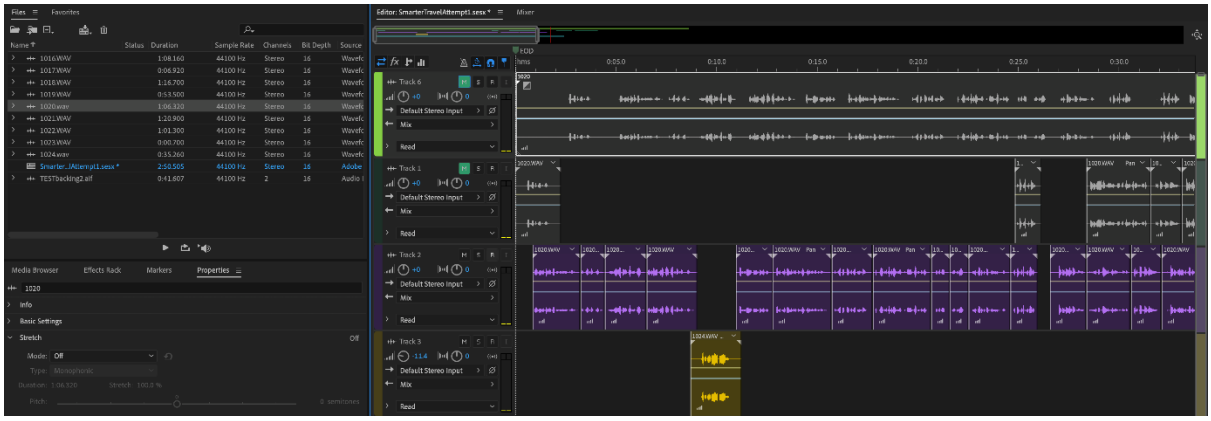
A backing track was then made, however it was only a rough template for the actually backing track.



The first Garageband file created

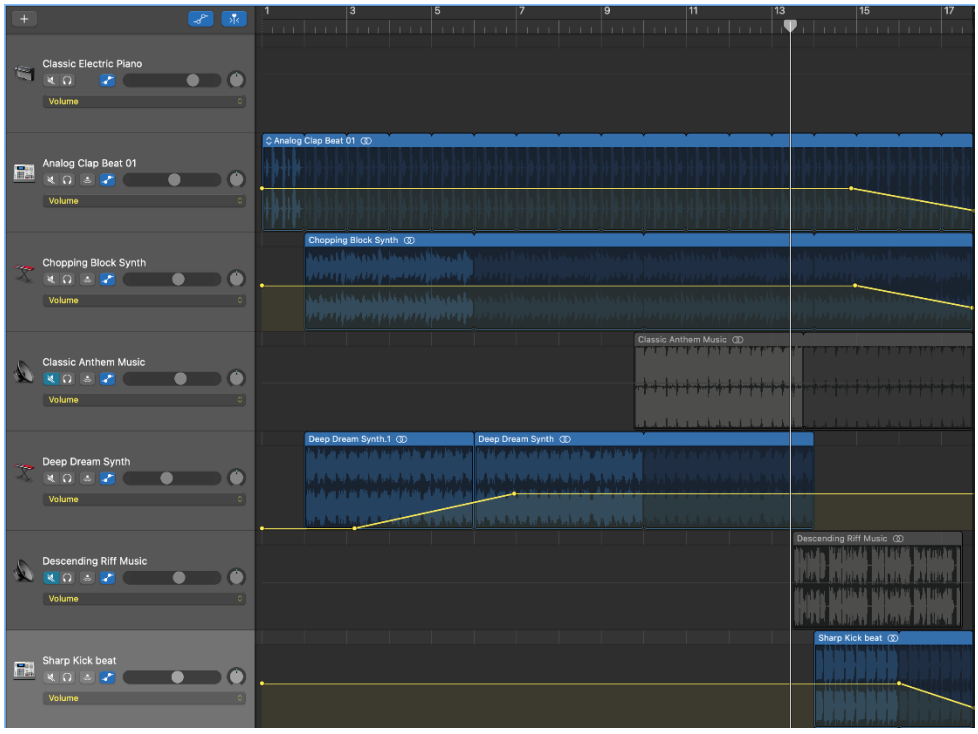
I brought my recordings into Adobe Audition and cut up the takes into the lines from the VO script. This was done with the razer tool. With the recording cut up, I brough it onto a new track and edited the timing of it, closing gaps between some sentences and lengthening others to get a track I was happy with.

The Select tool and the razor tool



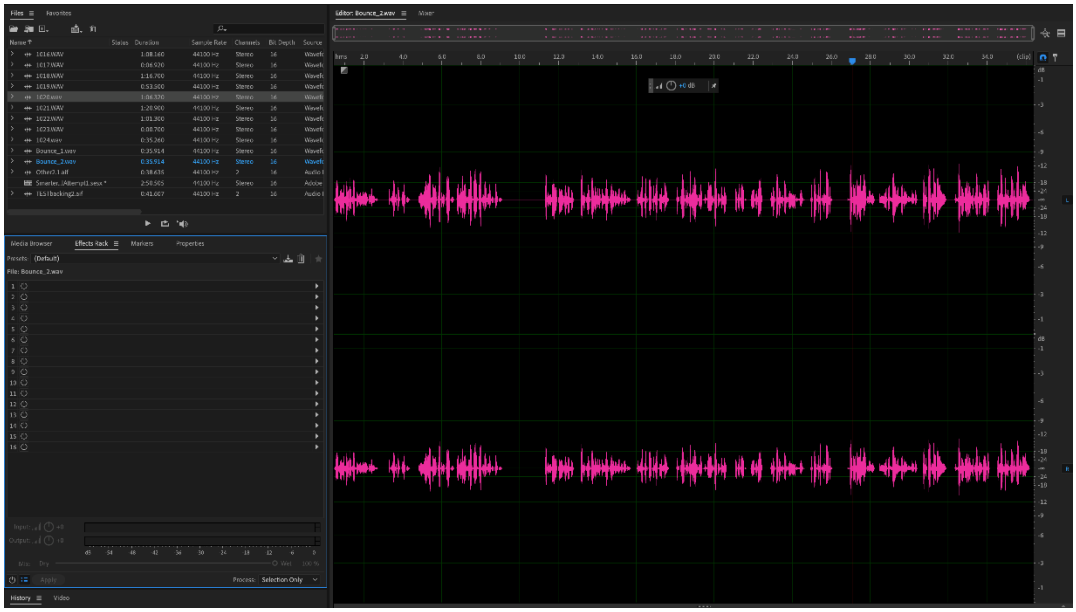
The master recording on the top track (“Track6”). The newly ordered cut down track on third track (“Track2”), and the one line of dialogue from my classmate on the forth track (“Track3”)

I then went back to garage band to fine tune my backing, as I now had a better idea of how I wanted it to be timed, and could for example change certain instruments for the outro. With the backing track finalised I exported it from GarageBand as .aiff file and imported it to my adobe audition session as a new track.

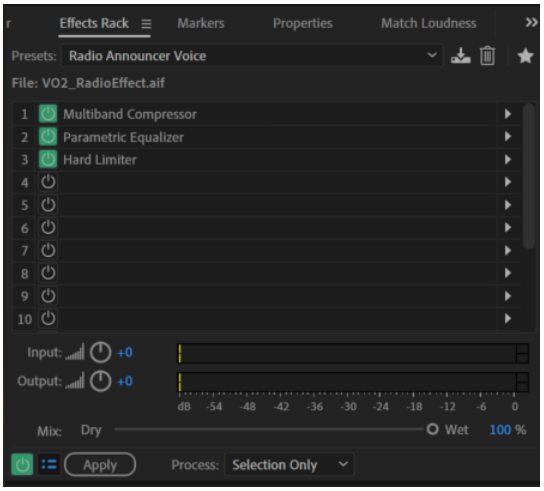


The final GarageBand track after finer tuning it

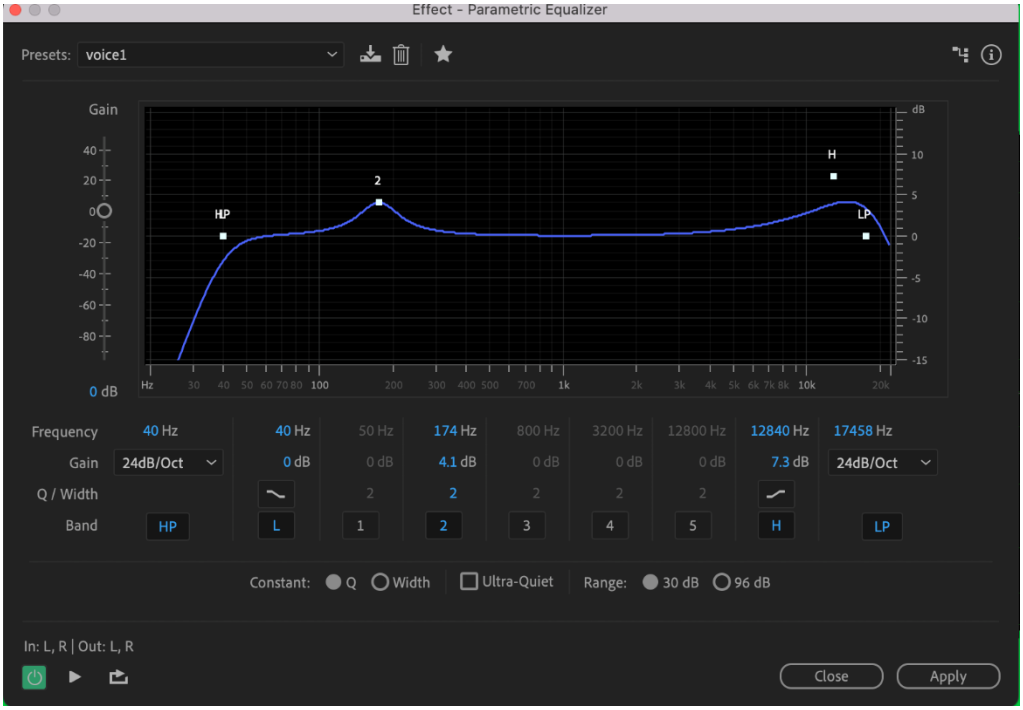
Next I bounced the reordered recording twice so I could try different effects on each one, on one I tried the podcast effect and the radio announcer voice available on Adobe Audition, and on the other I used my own settings on the parametric equaliser and used normalise. With the two bounced files now with different effects I compared the two, and personally thought the one I used destructive editing on sounded better and would use going forward.



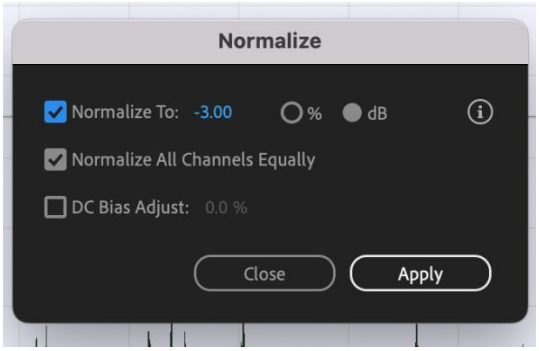
The bounced recording of the reordered track



The Radio Effect Rack, used on the first bounced track

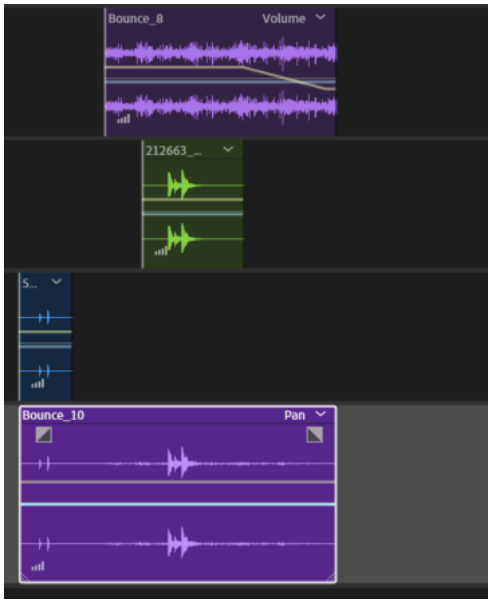


The Parametric Effect used on the second bounced track



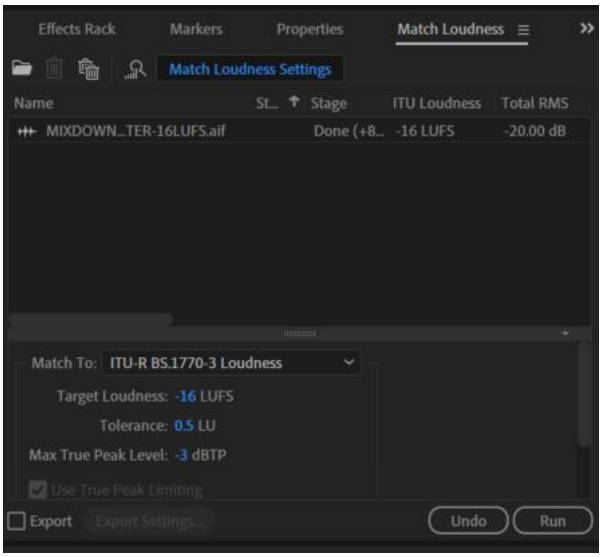
The normalize settings used also on the second track, normalised to -3db

Sound effect clips were acquired from freesound.org. These clips were imported to the Audition file and arrange. After being arranged they were bounced onto a track of just sound effects. The different tracks were then mixed so that they wouldn't clip into each other. Happy with the tracks, they were collectively bounced into a master bounce track.

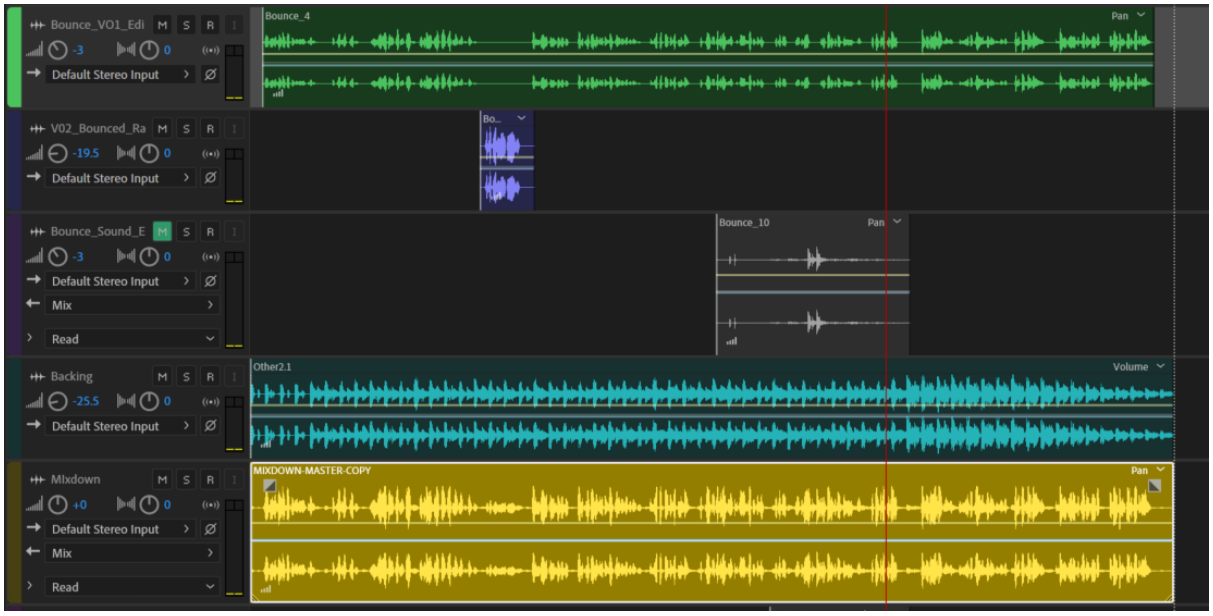


The sound effects used, and a bounce track of the effects combined

This track MIXDOWN_MASTER was then brought into the Match loudness setting and first brought to 14 LUFS, and then to 16 LUFS with these files being named FINAL_MASTER-14LUFS and FINAL_MASTER-16LUFS.



The match loudness settings



The ending result of my Adobe Audition file with the final bounced tracks

I then took the 16 LUFS file and exported it to MP3, FLAC, APE, OGG and M4A

The file exported as a WAV is 6,422 KB which is the original size of the file, due to WAV not compressing the file.

MP3 is a lossy compression, it reduces the file to 882 KB. The file was exported at 192 Kbps (44100 Hz) .

FLAC is a lossless compression and saves the file at 3,145 KB, which is still over half of the original file size.

APE is also lossless, reducing the file to 2,979 KB, similar to FLAC.

OGG, which can be either lossy or lossless depending on the users preference, exports the file to 2,033 KB, which is lossless as it was exported with a VBR Quality of 100%.

Lastly the M4A file is the smallest file, at 384 KB, which also means it's the most compressed.