Challenge #6 - More EQ; Master Effects and Rendering

Recording, Engineering, and Mixing

For Challenge #6, you can choose to mix any song you'd like. I've posted a new song on the student file server – one that I wrote and recorded called "Captain Captain". You may or may not like it! And there certainly are a lot of mistakes and quirks ... but this will add to the challenge of mixing it in a way that sounds good.

- 1. Add folder tracks to the song.
- 2. Adjust volume and pan levels for each track.
- 3. Add compression to EVERY TRACK.
- 4. Add noise gates to the snare and kick drum tracks and the lead vocal.
- 5. Add EQ to the tracks according to the following suggested guidelines:

Kick Drum

- Cut @ 200-350 Hz
- Boost @ 1500 Hz "snap"
- Find and cut unpleasant frequencies

Snare

- High pass filter
- Low pass filter 10,000 Hz
- Boost @ 2,000-3,000 Hz
- Cut @ 300-400 Hz

Acoustic guitar, vocals, acoustic instruments

- High pass filter
- Drop 200-300 Hz a couple db (vary between instruments)
- Boost 800-1500 Hz, 5000 Hz (vary between instruments)

Electric guitars, "thick" synths, organ, electric piano

- High pass filter
- Boost 200-600 Hz (vary)
- High shelf <u>drop</u> @ 5,000-8,000 Hz

OH's

- High pass @ 800-1000 Hz
- High shelf raise @ 2000-3000 Hz
- 6. Add effects to your tracks you can use the following suggestions:
 - You may need to create folder tracks in order to take advantage of stereo effects
 - Throw some vibration and autopan on electric piano
 - Think about putting some flanger or phaser on electric guitar
 - Duplicate and delay acoustic guitar/piano
 - Duplicate, delay, and pitch shift vocal (artificial double-tracking)

Use send effects to create an ambient, room atmosphere for all of the tracks on your song.

- Use 1-2 reverbs one for drums, and one for everything else
- Use 1-2 delays one for snare drum, and one for everything else
- Use these reverbs and delays LIGHTLY on everything in the song

On your vocal track, you can also use reverb and delay as insert effects – this will allow you to create dramatic reverb and delay effects on the vocal without having those effects influence the rest of the tracks.

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can play on a	CD player or an	mp3 player.		aa	. Сартані Сар	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,