ELECTRONIC INSTRUMENTS: WEEK 3 TASK

SUBMIT A PURE DATA PATCH THAT:
- Functions as a simple audio mixer including high and low pass filters on each channel and featuring separate reverb and delay effects on two 'return' tracks, these should each be fed via auxiliary outputs from each channel;
- Each input channel should feature a contrasting input source as outlined below -- these may draw from previous assignments, modified help files, or Pd patches you've found online.

OVERVIEW OF EXPECTED FEATURES
- Four mono inputs controlled by individual faders;
- Stereo output controlled by a single fader;
- Two auxiliary outputs switchable between 'pre' and 'post-fade';
- Auxiliary outputs configured to feed separate reverb and delay effects;
- High and low-pass filters on each channel;
- Inputs to your mixer should be configured as follows:
  1. [adc~] input;
  2. Sound file playback (method and file of your choice);
  3. Simple synthesis (type and complexity is up to you – pair with random?);
  4. Free choice, but must be making sound, and must sound good!

HINTS
- Start early -- draw a diagram and think about sub patches and when to make use of [send~] and [receive~] as well as [throw~] and [catch~];
- Imagine an analogue mixer as a starting point i.e. auxiliary sends on each channel and auxiliary returns alongside the main output;
- For reverb use [Rev3] – this is accessed from within Pure data by navigating to the help menu, then Browser, and looking at the bottom of the list;
- For delay check out examples G1 and G2 – again, these are accessed from within Pure data by navigating to the help menu, Browser, Pure Data, 3.audio.examples/;
- Remember to include audio files; put these in a zipped folder along with the patch before submitting (see my Amen break example on L@G for an example);
- ***Try and make something that is fun and interesting to play, something that you could imagine making music with***

BASICS
- Patch must fulfil the above (i.e. it must work!);
- Patch should be neat and easy to understand (use cursor keys to line up objects and keep connections vertical). Readability is VERY important.

WANT TO GO FURTHER?
We looked at distortion in class and my patches are online; you also are very close to having already built a sequencer – perhaps include? Delay is essentially sampling, can you add live-looping across the main outputs? MIDI control? VU meters…?

CRITERIA AND MARKING
- Technical success of patch;
- ***Creative/musical success of patch*** < < < important this week
- Clarity of understanding as evidenced by annotations within the patch.