6.111 Final Project Checklist, Ben Bloomberg

✓ Working USB reader, using 4 channels of audio input to audio output
  - Using direct output mode, will be able to stream 4 channel wave file to lab kit and hear all channels output on AC97 interface via selection switch (to select 1st or 2nd pair of channels).

✓ Working ambisonic encoder with static encodings
  - Using ambisonic encoder mode, will be able to hear ambisonic channels from one encoder
  - Will run across AC97 output

✓ Working ambisonic summing device
  - Using encoder-summing mode, will be able to hear each channel of an encoded, summed stream, using 4 virtual sources.

✓ Working static ambisonic decoder with one virtual source
  - Will be able to hear one source moving across stereo output (two physical sources)
  - Will be able to switch to 4 channel output (4 decoders, 4 physical sources)

✓ Working static ambisonic decoder with 4 virtual sources
  - Will be able to hear four virtual sources moving across stereo output (two physical sources)
  - Will be able to switch to 4 channel output (4 decoders, 4 physical sources)

✓ Working UI to view virtual source locations
  - See locations of each virtual source on the display

✓ Working PCM-1681 device with four channels of streaming input from USB device
  - Will be able to hear 4 channels of simultaneously playing audio across 4 outputs of PCM-1681

✓ Working PCM-1681 output device with 4 channels of ambisonic audio output
  - Will be able to hear 4 output channels of encoded and decoded sources.

✓ Working interpolation for moving virtual sources (if time permits)
  - Will be able to hear sources move from location to location