Rhian & Miles 6.111 Project Checklist

Commitment:

- Visualization of frequency spectrum of music on LED strips
- Receiving music from both microphone and SD card (including mic filtering)
- Parallel music playback

Goal:

- Interesting feature detection (beats, brightness decay separate from music decay)
- Power information shown as vertical differences in brightness on LEDs
- Music interaction (skipping songs, play, pause via buttons on FPGA)

Stretch Goal:

- Music interaction via microphone input with discrete sounds (claps, tones, etc.).