

*Music Box 2: Casey Hennessey
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- The system must control lights.
- The system should play pre-programmed songs.
- The system should be able to playback a microphone recording.
- The system must be aesthetically pleasing.
- The system must be easy to use.
- The lights should respond to the music.
- The user can modulate the playback.

4.

[illegible]

Finding an enclosure for the components was a bit of a headache as we had only a nebulous idea of how much space we were going to need. In the end we simply bought a wooden planter and turned it upside down. This allowed us to use screws to mount components like the speakers without concerning ourselves with vibrations shaking the whole thing apart. Doing the Fast Fourier Transform ended up being a bigger hassle than expected. Instead we used the Spectrum Shield for producing the light show. It was a fantastic solution that cut our work down by weeks. The modulation of playback ended up being our biggest hurdle, and we didn't even find software that would work until Week 18. Once we did find software, Isaac had the unfortunate task of creating a playback and recording interface all over again. Had that not been an issue, we would have been well ahead of schedule.