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15-112 TP Deliverable 1

Competitive Analysis

1. Twilio-Karaoke(https://github.com/RobSpectre/Twilio-Karaoke): One feature that I really like is that it starts from “nothing but a blank file.” While I believe this is an unrealistic goal for me, I would like to generate lyric files and score files from the audio files themselves instead of inputting them manually. However, one antifeature I do not plan to include in my project is the microphone component. I want my program to run without the aid of any external hardware except for a computer.
2. Karafun(<http://www.karafun.com/karaokeplayer/)>: One feature that I find compelling is the eye-pleasing graphic IU. For example, the program lets users adjust volume of the music, which I would like to do for my project if possible. Overall, it has a nice visual background, which I would also like to incorporate in my project as well.
3. OneKaraoke(<http://www.onekaraoke.com/1k/download.html)>: This software requires users to upload karaoke audio files, which is an antifeature that I don’t want to include in my project.
4. Kantokaraoke(<http://www.kantokaraoke.com/)>: This program has many features that I would like to incorporate into my project. For example, there’s an option to playback the recording of your singing, which is very useful for people using the karaoke machine to improve their singing. In addition,