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15 – 112

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TP1 Design Proposal

* Project Description:

This project aims to be a socially-integrated Digital Audio Workstation meant for sharing and voting on short (10-30 second) retro-styled “jingles.” Its name will be called *Jingle*. Its list of planned features include a piano roll and pattern editor, server-side song storage, ringtone exporting, and a synthesizer sound editor.

* Competitive Analysis:

Some other projects I’ve seen related to music composition mostly deal with composition in proper notation. All of those projects tend more to focus on orchestration and arrangement, in lieu of programs similar to MuseScore or Finale Notepad. My project relates more with DAWs like FL Studio or Ableton. Furthermore, I intend to focus heavily on the 8-bit/retro design themes. Another aspect of my project that I haven’t seen in a lot of others is the social aspect of the platform. A central part of this project is to properly integrate the composition tools with the social aspect. Nevertheless, my project will be similar to the other projects in the way that they all deal with music composition and sound exportation.

* Structural Plan:

The main project will run from the file that uses Pygame to render the interfaces. Playlists and patterns will each be their own classes and will be called on from separate files. Media files including icons and audio files will also be stored in the program’s root folder.