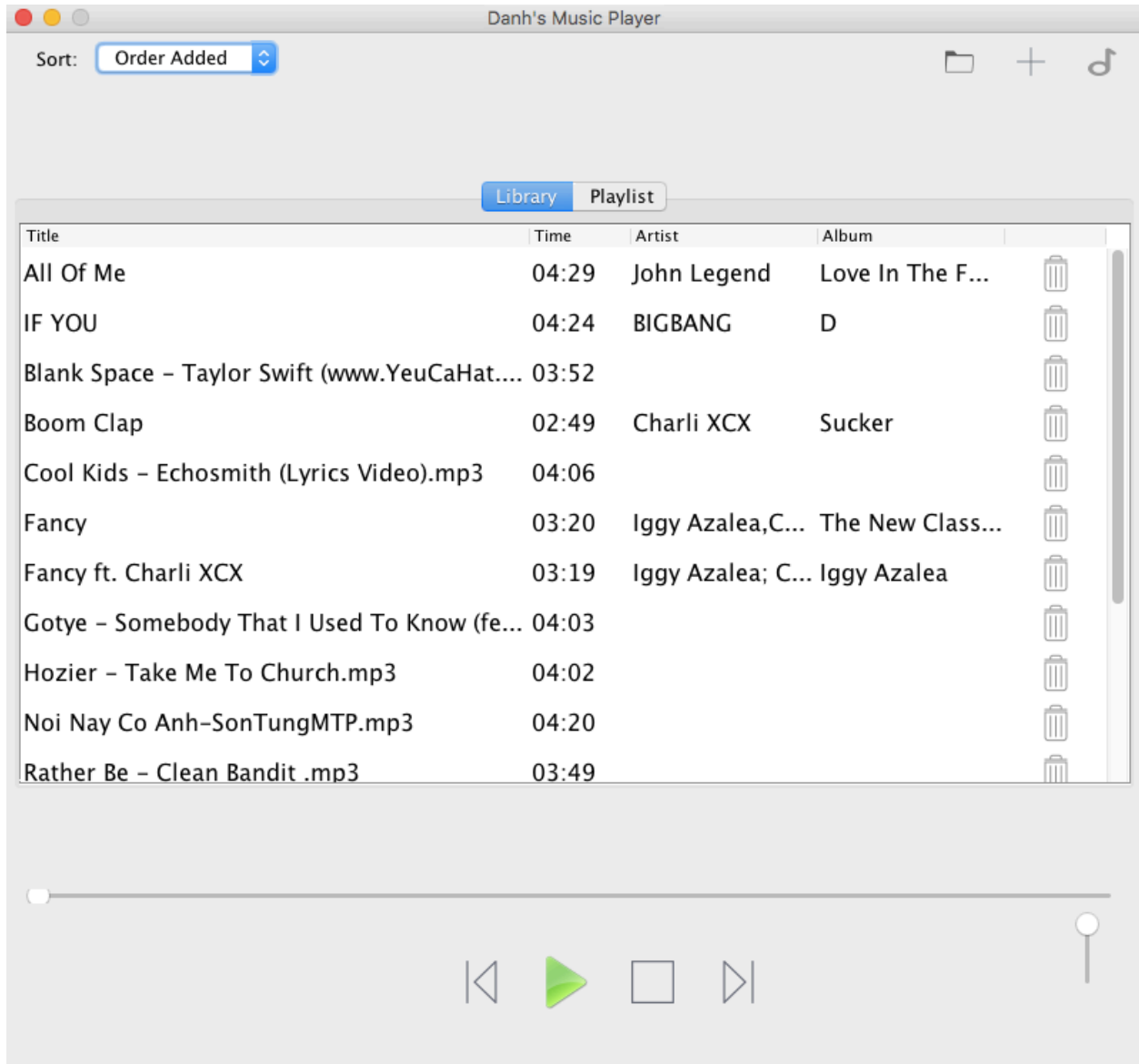


# Final Project Report



## 1. User Guide:

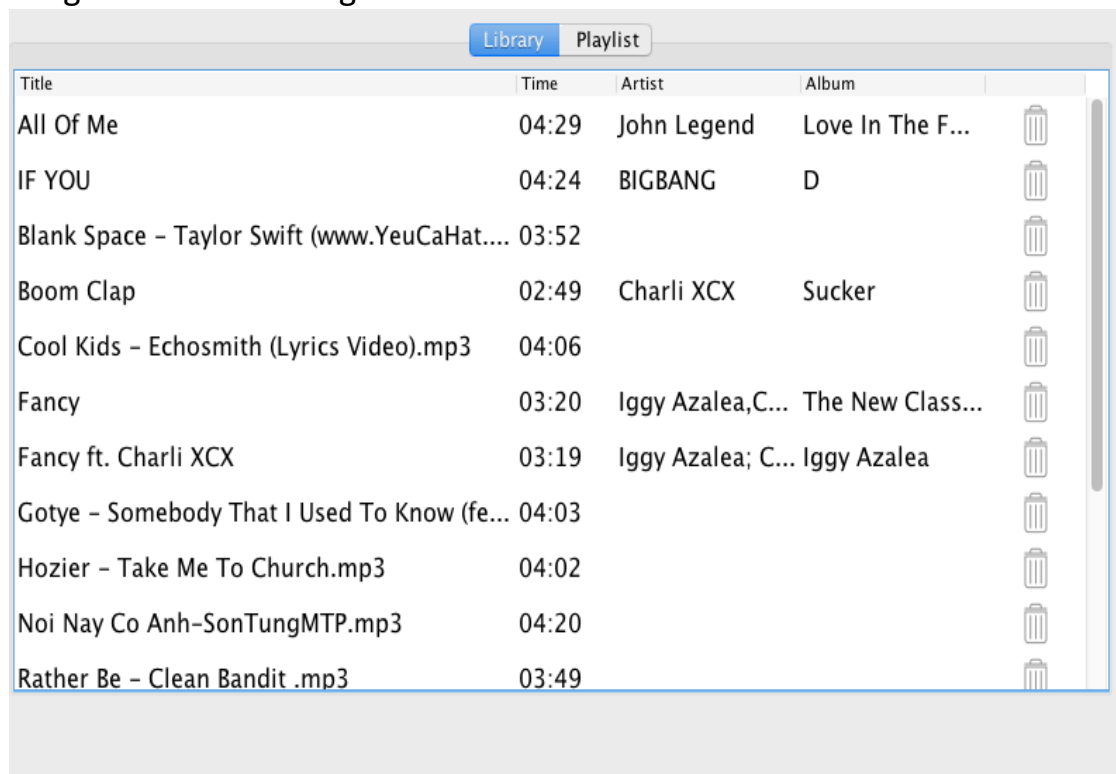
This program is a simple music player. Some of its features are:

- Play, pause, stop, next, previous
- Song selection
- Library: add song, delete song
- Sort
- Set volume
- Time slider: get to certain position in a song
- Playlist: add playlist, add song to playlist
- Add lyric

## 2. Program Design and Implementation:

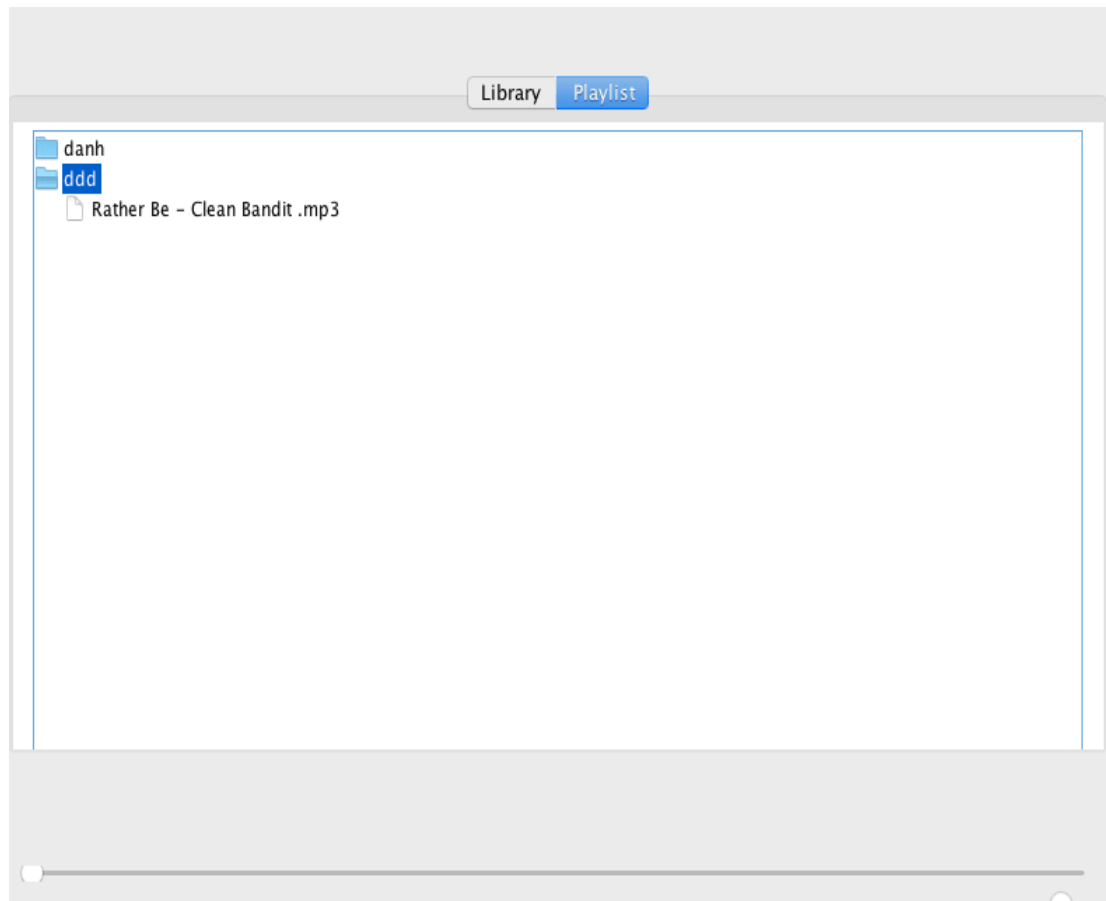
a. Line count: ~ 900

b. Two main components are the library and the playlist. The library will display all the songs in default folder. The user can choose to delete the song or add more song into it.

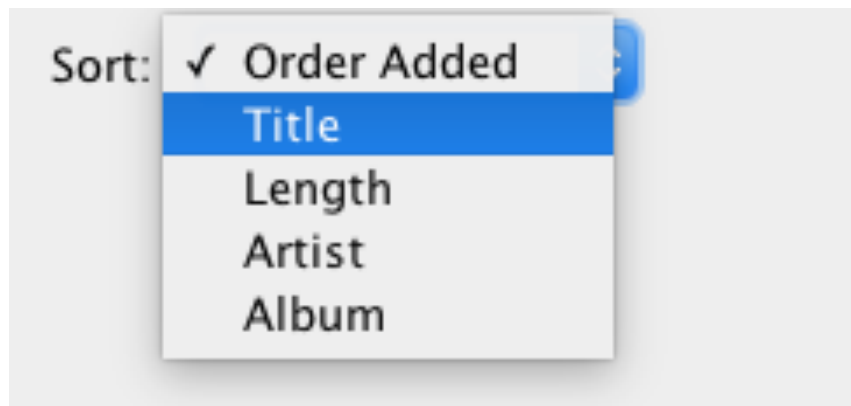


Title	Time	Artist	Album	
All Of Me	04:29	John Legend	Love In The F...	
IF YOU	04:24	BIGBANG	D	
Blank Space – Taylor Swift (www.YeuCaHat....	03:52			
Boom Clap	02:49	Charli XCX	Sucker	
Cool Kids – Echosmith (Lyrics Video).mp3	04:06			
Fancy	03:20	Iggy Azalea,C...	The New Class...	
Fancy ft. Charli XCX	03:19	Iggy Azalea; C...	Iggy Azalea	
Gotye – Somebody That I Used To Know (fe...	04:03			
Hozier – Take Me To Church.mp3	04:02			
Noi Nay Co Anh–SonTungMTP.mp3	04:20			
Rather Be – Clean Bandit .mp3	03:49			

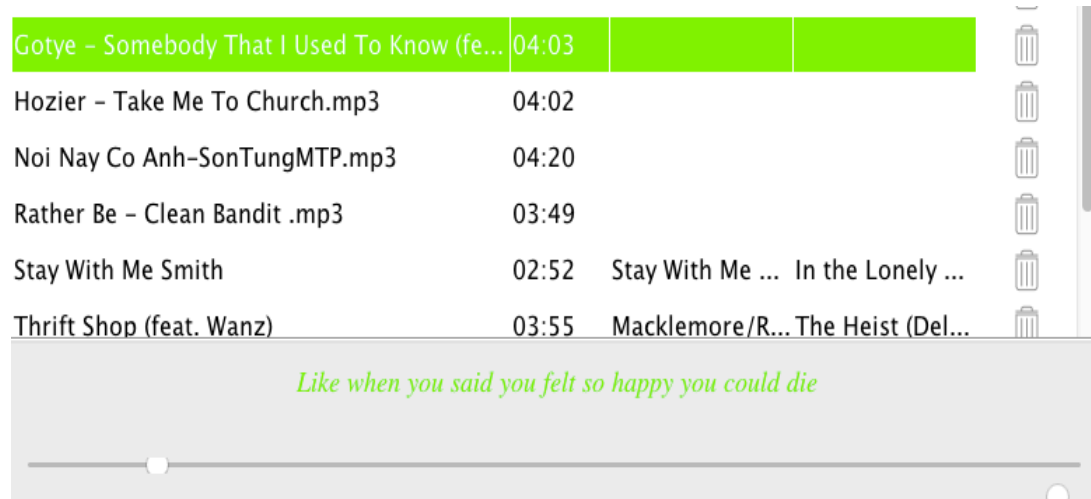
The Playlist will display all the playlist the user had created. User can create a playlist and songs into it. Song will play if the user clicks on the song in the playlist. Only songs from library can be added to the playlist.



Other methods include the sort, which sorts the library into a list based on selection.



Add lyric can take a .srt file and display it on the screen based on the time interval.



The screenshot shows a music player interface. At the top, there is a music note icon. Below it is a playlist table with columns for song name, duration, and a trash icon. The first song is highlighted in green. Below the playlist is a lyric display area with a green line of text. At the bottom is a progress bar.

Song Name	Duration	Trash Icon
Gotye – Somebody That I Used To Know (fe...	04:03	🗑️
Hozier – Take Me To Church.mp3	04:02	🗑️
Noi Nay Co Anh–SonTungMTP.mp3	04:20	🗑️
Rather Be – Clean Bandit .mp3	03:49	🗑️
Stay With Me Smith	02:52	🗑️
Thrift Shop (feat. Wanz)	03:55	🗑️

Lyric display: *Like when you said you felt so happy you could die*

3. Known issues:
  - a. No known issue until now.
  - b. I could add the advance search method which will search for a song from the library based on the key words user put in. It could be based on different types such as title, artist, etc.