

## **Elicitation Source Generation (Music Albums Archive)**

**Abdullah Abdullah, Naufil Ansari, Jinthushan Sutharman, Izaan Syed, Thomas Petkovic**

### *Domain Description*

Music album archives are commonly used to catalogue and organize songs from a common artist or band. This is to ensure that the user does not have to continuously seek out songs from that particular artist/band on their platforms of choice. Ideally, the songs should be organized together and thus easily accessible in a database, and should list details such as release date, composer(s), name, included tracks, etc.

A key characteristic of online albums is the streaming and sharing platforms that let the artists share their music. Another key feature is the type of the file which could be in MP3, AAA, or FLAC. These file types determine the quality of the audio file. It's also an important detail to notate, as some audio file types may be incompatible with certain players.

A common problem with music album archives is lost information or media, leading to an incomprehensive list. To remediate that problem, entries should be primarily user-submitted, with validation checks put in place to weed out incomplete/malicious submissions.

Spotify and Soundcloud are two of the most popular music streaming platforms. These platforms offer free access to millions of songs and albums worldwide. These platforms also offer album archiving services as part of their applications, and are widely successful as a result.

### *Glossary*

**Genre** - style of the music, determined by the similarities between other compositions;  
Useful for users to search or sort by the style of music they like.

**Artist** - The creator/composer(s) of the song ;  
Lets the user search or sort for the Artist they want to hear

**Song/Title** - Name of the song ;  
Helpful for the user to search or sort for a specific individual song

**Release Date** - Date the Song was released ;  
Lets the user search or sort for old songs, or recent trends.

**Song Length** - The amount of time the composition lasts ;  
Lets the user search or sort for desired length of song

**Album** - A Collection of Songs organized by the Artist ;  
Lets the user search or sort for desired Album

**Audio Format** - The file type of the recorded song being stored (e.x MP3, WAV, ...etc) ;  
Lets the user search or sort by Audio Format

**Band** - Group of musicians who release music ;  
Lets the User Search or Sort by band name;

**Solo Artist** - Musicians who operate outside of a band context. ;  
Lets the User Search for Solo Artists

**Monthly Listens** - Amount of people who listen to a specified artist per month. ;  
Lets the user search or sort by monthly listens

**Likes** - The Amount of Approval by the all time listeners on the song ;  
Lets the user search or sort by Likes

**Artist Following** - The Amount of Approval by the all time listeners on the creator ;  
Lets the user search or sort by Artist following

**Record Label** - Company that helps create and promote the music artist(s) create ;  
Lets the User Search Sort by record Label

**Platform Availability** - Which music streaming platforms are specific songs available ;  
Lets the user find where their song is available for listen

**Writer** - Creates the musician composition or created lyrics ;  
Lets the user Search or Sort by writer

**Producer** - Receives the song from the writer and makes it a finished product. ;  
Lets the user Search or sort by Producer

**Copyright** - The exclusive legal right, given to an originator or an assignee to print, publish, perform, film, or record literary, artistic, or musical material, and to authorize others to aswell  
The Program Should Validate if the song is under copyright infringement

## *Sources list*

### Used Sources:

- <https://www.usemogul.com/post/what-is-a-digital-album>
- <https://10at10.ca/music/10-things-that-make-a-quality-album/>
- <https://support.spotify.com/ca-en/article/what-is-spotify/>

### Potential Sources

- <https://www.sharetopros.com/blog/the-business-of-music-archiving-who-preserve-s-our-musical-heritage.php>
- <https://www.forbes.com/councils/forbesbusinesscouncil/2023/10/25/the-importance-of-singles-and-albums-in-the-music-industry/>

### Stakeholders

- Listeners
- Artists
- Music producers
- Record labels
- Streaming services

## *Elicitation Plan*

Some of the finer details of album archiving are still unknown to the team. Thus the plan for next week is as follows for each team member:

- **Technical Manager (Jin)** - Researching popular online streaming platforms (how is their platform setup, how is their song details setup, how do individual artists upload their work on these platforms)
- **Back-End Lead (Thomas)** - Researching older archiving platforms that were used before popular apps like spotify took over (How did they organize their albums and archive them, what services did they provide to their customers).
- **Front-End Lead (Abdullah) and Project Manager (Naufil)** - Asking customers 5 questions which clarify the project requirements. (Front end will work on the questions and Project manager will check over it)

- **Software Quality Lead (Izaan)** - Specific features of archiving platforms that the group might have missed. Put priority on certain features over others after discussing with the group.