Music Streaming System Database

Team: Good Times
Members: 朱宇方 107703035, 林主悅 107703050, 王晨恩108703035

With the rise of mobile data and internet access, came the new wave of music streaming services such as Spotify, Apple Music, and KKbox etc., Enabling the user access to multitudes of songs and tunes catered to their personal tastes without having to download the entire database. With hundreds to thousands of people accessing their music database everyday, companies need to design an intricate system to keep up with each user's preferences, as well as the artist's information. Our project today is to simulate the database to reflect the relations of different artists, songs, albums, collaborations and of course it's end users.

Demand Analysis

1.Users (preferences, such as genres, demographics)
2.Albums(Many songs in 1 album, associated artists, published by which label company)
3.Songs (genres, is it a single, language of song, streamed frequency to decide artist compensation and also calculate popularity)
4.Artist information (individual or collaborators, bands etc.,)
5.Label (Company information, address, signed artists/bands..)
6.Playlists(custom made by user/ generated by recommendation system…)

Functional Analysis

1.Recommendation system based on user preference (language, genre etc.,)
2.Song search by title, artist name etc.,
3.Weekly Top songs based on user demographic
4.Artist/Song popularity demographic (fanbase demographic)