Zerg-Rush-Luxan-Database- Documentation

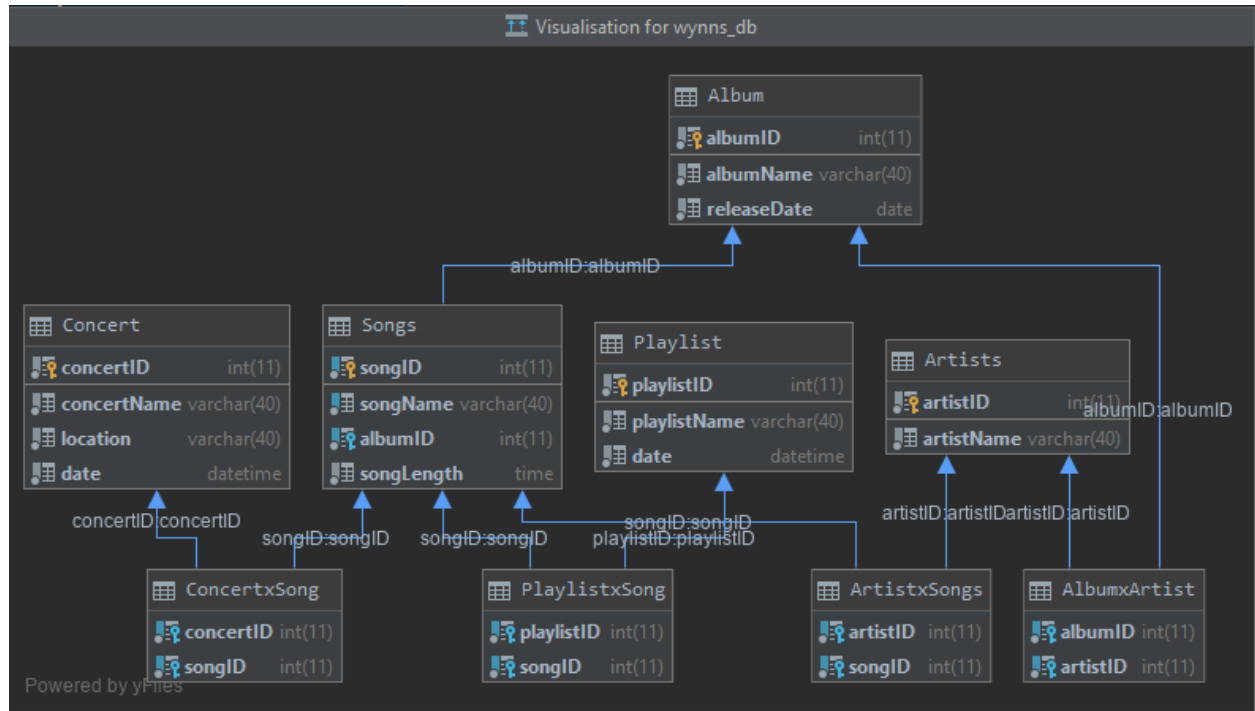ERD:

Table Explanations and Descriptions:

Main entities:

Album		Data Type	Regular Expressions
albumID	PK	Int(11)	\d{1,11}
albumName		varchar(40)	\w{1,40}
releaseDate		date	\d{4}-\d{2}-\d{2}\s\d{2}:\d{2}:\d{2}

Artists		Data Type	Regular Expressions
artistID	PK	Int(11)	\d{1,11}
artistName		varchar(40)	\w{1,40}

Songs		Data Type	Regular Expressions
songID	PK	Int(11)	\d{1,11}
songName		varchar(40)	\w{1,40}
albumID	FK	Int(11)	\d{1,11}
songLength		time	\d{2}:\d{2}:\d{2}

Playlist		Data Type	Regular Expressions
playlistID	PK	Int(11)	\d{1,11}
playlistName		varchar(40)	\w{1,40}
date		Datetime	\d{4}-\d{2}-\d{2}\s\d{2}:\d{2}:\d{2}

Concert		Data Type	Regular Expressions
concertID	PK	Int(11)	\d{1,11}
concertName		varchar(40)	\w{1,40}
location		varchar(40)	\w{1,40}
date		date	\d{4}-\d{2}-\d{2}\s\d{2}:\d{2}:\d{2}

Relational Tables:

ConcertxSong		Data Type	Regular Expressions
concertID	FK	Int(11)	\d{1,11}
songID	FK	Int(11)	\d{1,11}

Relates songs to concerts to create a many-to-many relationship

PlaylistxSong		Data Type	Regular Expressions
playlistID	FK	Int(11)	\d{1,11}
songID	FK	Int(11)	\d{1,11}

Relates playlists and songs to create a many-to-many relationship

ArtistxSongs		Data Type	Regular Expressions
artistID	FK	Int(11)	\d{1,11}
songID	FK	Int(11)	\d{1,11}

Relates artists to songs to create a many-to-many relationship

AlbumxArtist		Data Type	Regular Expressions
albumID	FK	Int(11)	\d{1,11}
artistID	FK	Int(11)	\d{1,11}

Relates albums to artists to create a many-to-many relationship