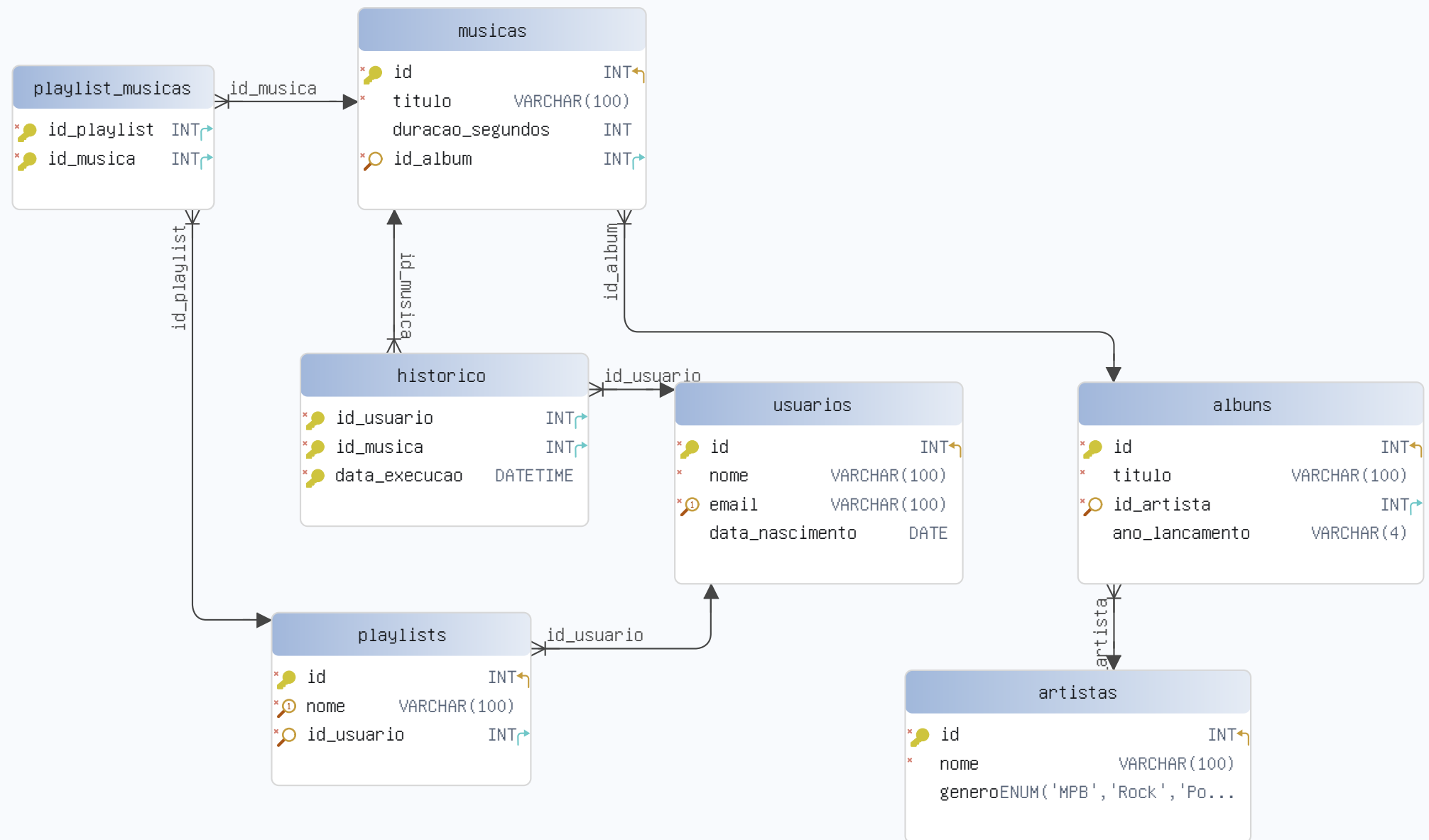


Diagrama Lógico



Main Diagram

Table albuns		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	titulo	VARCHAR(100)
* Idx	id_artista	INT
	ano_lancamento	VARCHAR(4)
Indexes		
Type	Name	On
Pk	pk_albuns	id
	id_artista	id_artista
Foreign Keys		
Type	Name	On
	albuns_ibfk_1 (id_artista) ref artistas (id)	
Options		
ENGINE=InnoDB AUTO_INCREMENT=201 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table artistas		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	nome	VARCHAR(100)
	genero	ENUM('MPB','Rock','Pop','Jazz','Eletrônico','Sertanejo')
Indexes		
Type	Name	On
Pk	pk_artistas	id
Options		
ENGINE=InnoDB AUTO_INCREMENT=51 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table historico		
Idx	Name	Data Type
* Pk	id_usuario	INT
* Pk	id_musica	INT
* Pk	data_execucao	DATETIME
Indexes		
Type	Name	On
Pk	pk_historico	id_usuario, id_musica, data_execucao
	id_musica	id_musica
Foreign Keys		
Type	Name	On
	historico_ibfk_1 (id_usuario) ref usuarios (id)	
	historico_ibfk_2 (id_musica) ref musicas (id)	
Options		
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table musicas		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	titulo	VARCHAR(100)
	duracao_segundos	INT
* Idx	id_album	INT
Indexes		

Table musicas		
Type	Name	On
PK	pk_musicas	id
	id_album	id_album
Foreign Keys		
Type	Name	On
	musicas_ibfk_1 (id_album) ref albuns (id)	
Constraints		
	Name	Definition
	musicas_chk_1	`duracao_segundos` > 0
Options		
ENGINE=InnoDB AUTO_INCREMENT=1001 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table playlist_musicas		
Idx	Name	Data Type
* Pk	id_playlist	INT
* Pk	id_musica	INT
Indexes		
Type	Name	On
Pk	pk_playlist_musicas	id_playlist, id_musica
	id_musica	id_musica
Foreign Keys		
Type	Name	On
	playlist_musicas_ibfk_1 (id_playlist) ref playlists (id)	
	playlist_musicas_ibfk_2 (id_musica) ref musicas (id)	
Options		
ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table playlists		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
* Unq	nome	VARCHAR(100)
* Unq	id_usuario	INT
Indexes		
Type	Name	On
Pk	pk_playlists	id
Unq	nome	nome, id_usuario
	id_usuario	id_usuario
Foreign Keys		
Type	Name	On
	playlists_ibfk_1 (id_usuario) ref usuarios (id)	
Options		
ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci		

Table usuarios		
Idx	Name	Data Type
* Pk	id	INT AUTO_INCREMENT
*	nome	VARCHAR(100)
* Unq	email	VARCHAR(100)
	data_nascimento	DATE
Indexes		
Type	Name	On

Table usuarios

Pk	pk_usuarios	id
Unq	email	email

Options

ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci