Songs

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| songId | Primary Key of song | char(5) | S[0-9]{4} |
| name | Name of Song | varchar(100) | ([A-Z] | [a-z] | [0-9])+ |
| duration | Length of song | time | [0-9]{2} : [0-5][0-9]:[0-5][0-9] |
| lyrics | Lyrics of the song | Longtext | 4,294,967,295 characters |

Album

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| albumId | Primary Key for album | char(5) | A[0-9]{4} |
| name | Name of the album | varchar(100) | ([A-Z] | [a-z] | [0-9])+ |
| genreId | Foreign key for genre | char(5) | G[0-9]{4} |
| labelId | Foreign key for label | char(5) | L[0-9]{4} |
| recordingType | How the song was recorded | ENUM | (“Studio” | “Live”) |

SongAlbum

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| songId | Primary and foreign key for song | char(5) | S[0-9]{4} |
| albumId | Primary and foreign key for album | char(5) | A[0-9]{4} |

Label

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| labelId | Primary Key for labels | char(5) | L[0-9]{4} |
| name | Name of the label | varchar(100) | ([A-Z] | [a-z] | [0-1])+ |

Genre

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| genreId | Primary key for genre | char(5) | G[0-9]{4} |
| name | Name of the genre | varchar(100) | ([A-Z] | [a-z] | [0-9])+ |

Band

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| bandId | Primary key for Band | char(5) | B[0-9]{4} |
| name | Name of the band | varchar(100) | ([A-Z] | [a-z] | [0-1])+ |
| size | Size of the band | varchar(100) | [1-9]+ |

BandAlbum

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| bandId | Primary and foreign key for song | char(5) | B[0-9]{4} |
| albumId | Primary and foreign key for song | Char(5) | A[0-9]{4} |

Concert

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| concertId | Primary key for concert | char(5) | C[0-9]{4} |
| location | Location of the concert | varChar(5) | ([A-Z] | [a-z] | [0-9])+ , ([A-Z] | [a-z] | [0-9])+ |
| date | Date of the Concert | date | MM/DD/YYYY |

SongConcert

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| concertId | Primary and foreign key for concert | char(5) | C[0-9]{4} |
| songId | Primary and foreign key for song | char(5) | S[0-9]{4} |

BandConcert

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| concertId | Primary and foreign key for concert | char(5) | C[0-9]{4} |
| bandId | Primary and foreign key for band | char(5) | B[0-9]{4} |

Artist

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| artistId | Primary key for artist | char(5) | R[0-9]{4} |
| name | Name of the artist | varChar(100) | ([A-Z] | [a-z] | [0-9])+ |

BandArtist

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| artistId | Primary and foreign key for artist | char(5) | R[0-9]{4} |
| bandId | Primary and foreign key for band | char(5) | B[0-9]{4} |

SongBand

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| songId | Primary and foreign key for song | char(5) | S[0-9]{4} |
| bandId | Primary and foreign key for band | char(5) | B[0-9]{4} |
| ownership | Ownership of the song (original vs cover) | ENUM | (“Origin” | “Cover”) |

Playlist

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| playlistId | Primary key for playlist | char(5) | P[0-9]{4} |
| name | Name of the playlist | varchar(100) | ([A-Z] | [a-z] | [0-9]) + |

SongPlaylist

|  |  |  |  |
| --- | --- | --- | --- |
| Attribute Name | Description | Data Type | Acceptable Values |
| songId | Primary and foreign key for song | char(5) | S[0-9]{4} |
| playlistId | Primary and foreign key for playlist | char(5) | P[0-9]{4} |