**Question 2 Schema**

**Assumptions:**

* A track is the act of composing a song into an audio recording
* Playlist\_Tracks interact with audio recordings so that only audio recordings can be placed on a playlist
* Playlists only exist if there exists a user that creates a playlist
* Recordings are the number of times a song was recorded

|  |  |  |
| --- | --- | --- |
| **Song** | | |
| Sid | Title | Authors |

|  |  |  |
| --- | --- | --- |
| **Tracks** | | |
| Id | Sid | Track\_Number |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Audio Recording** | | | | | |
| Id | Title | Artist | Producer | Year | Recordings |

|  |  |  |
| --- | --- | --- |
| **Playlist\_Tracks** | | |
| Id | Playlist\_Name | User\_id |

|  |  |
| --- | --- |
| **Playlist** | |
| User\_id | Playlist\_Name |

|  |  |  |
| --- | --- | --- |
| **User** | | |
| User\_id | Playlist\_Name | Name |

**Foreign keys:**

*Table* attribute -> *table* attribute

*User* Playlist\_Name -> *Playlist* Playlist\_Name

*Playlist* User\_id -> *User* User\_id

*Playlist\_Tracks* Playist\_Name-> *Playist* Playlist\_Name

*Playlist\_Tracks* User\_id -> *User* User\_id

*Playlist\_Tracks* Id -> *Recordings* Id

*Tracks* Id -> *Audio Recording* Id

*Tracks* Sid-> *Song* Sid