

BANKAI - JUKEBOX

Design Phase

Friday, 16 February 2024

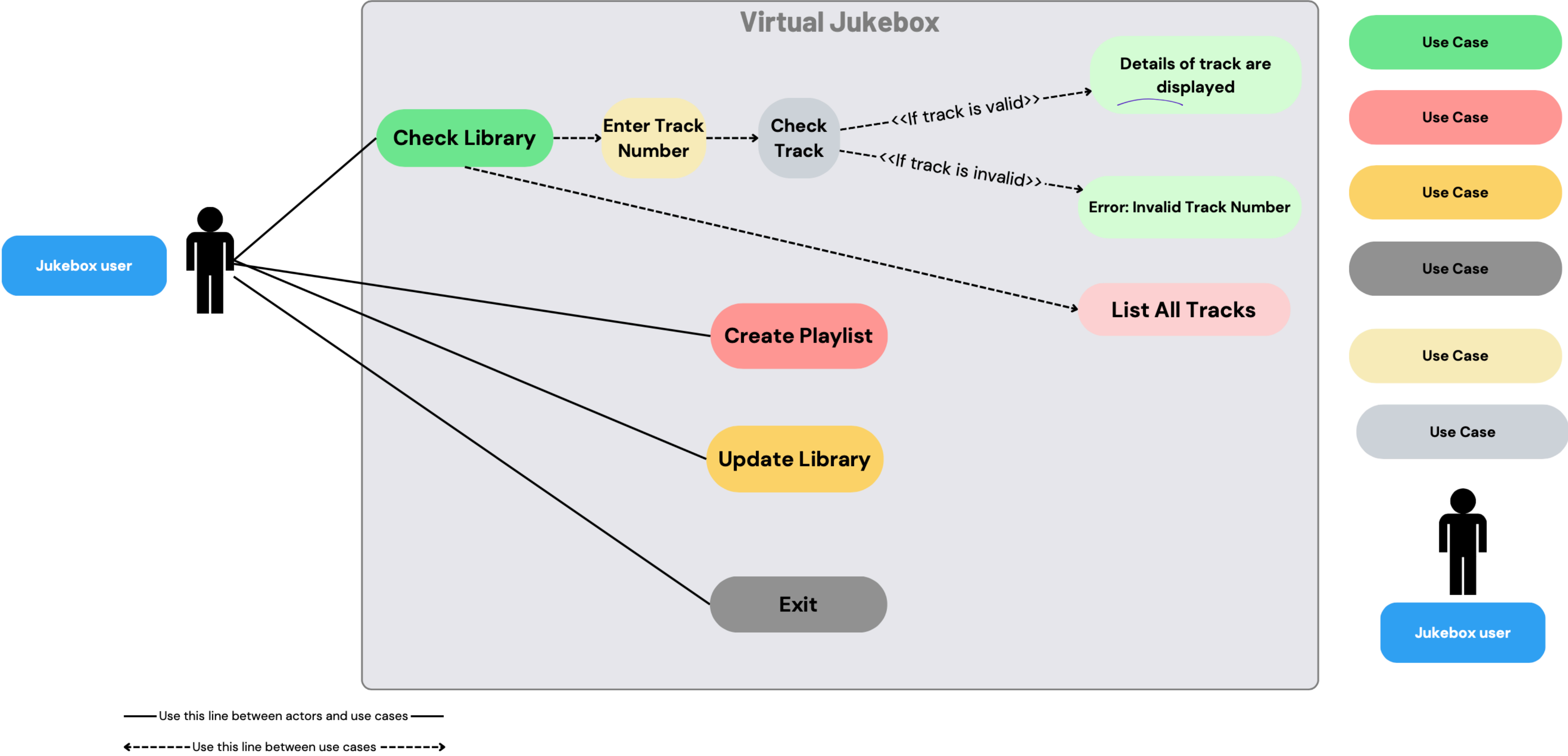
Meet The Team

- Kevin Nyende Omyonga (Dr. KNO)
- Billy Nelson Omingo (DJ Kutah)
- Leonard Ochieng Omondi (Man Leo)
- Wellington Wekesa Luvonga (WelliWelu)
- Brian John Onsati (Brainiac)

Our Design

- Simplicity.
- User-Centred.
- Customisation.
- Cross platform support.
- Reliability.

Use Case Diagram



Database Design

Song Table

Id	Primary Key
title	Title of the song.
artist_id	(Foreign Key): Identifier referencing the artist table.
album_id	(Foreign Key): Identifier referencing the album table, if applicable.
genre	Genre of the song

Artist Table

Id	Primary Key
Name	Name of the artist.

Playlist Table

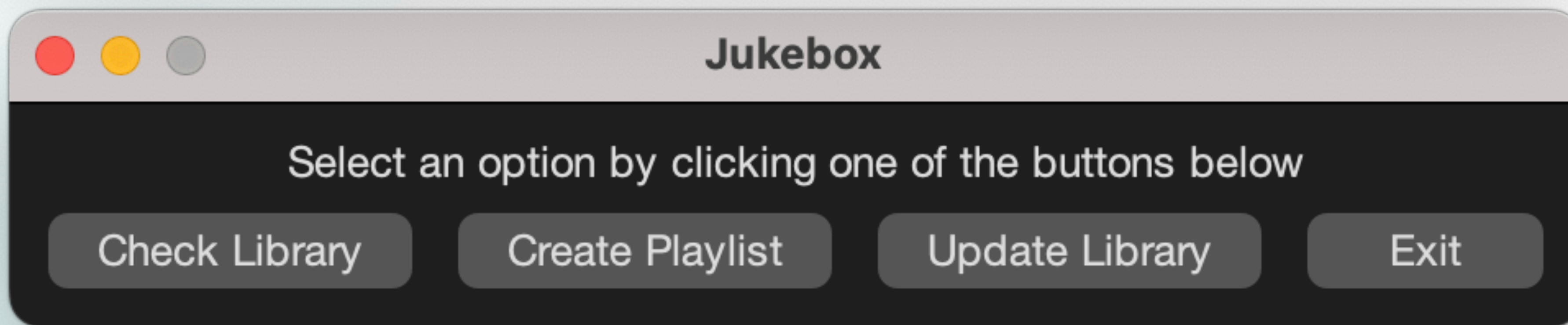
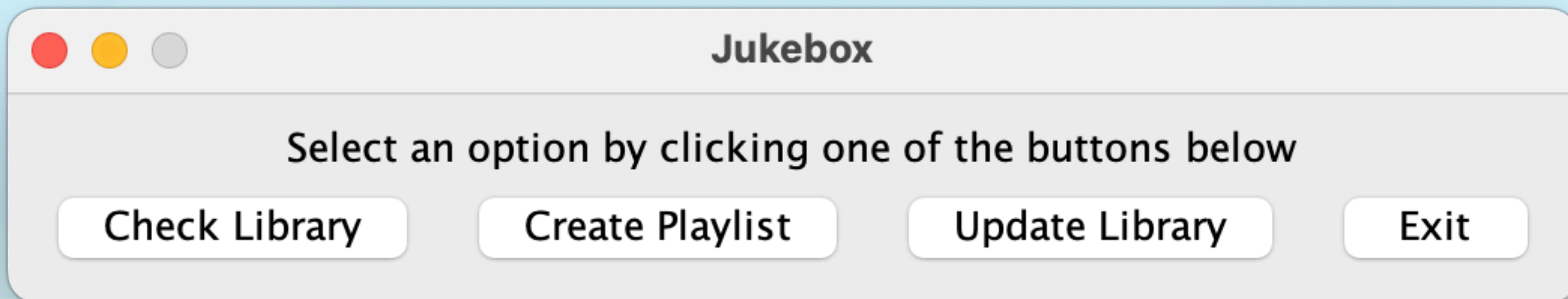
playlist_id	Primary Key
Name	Name of the playlist

Playlist_Song Table (Many-to-Many Relationship)

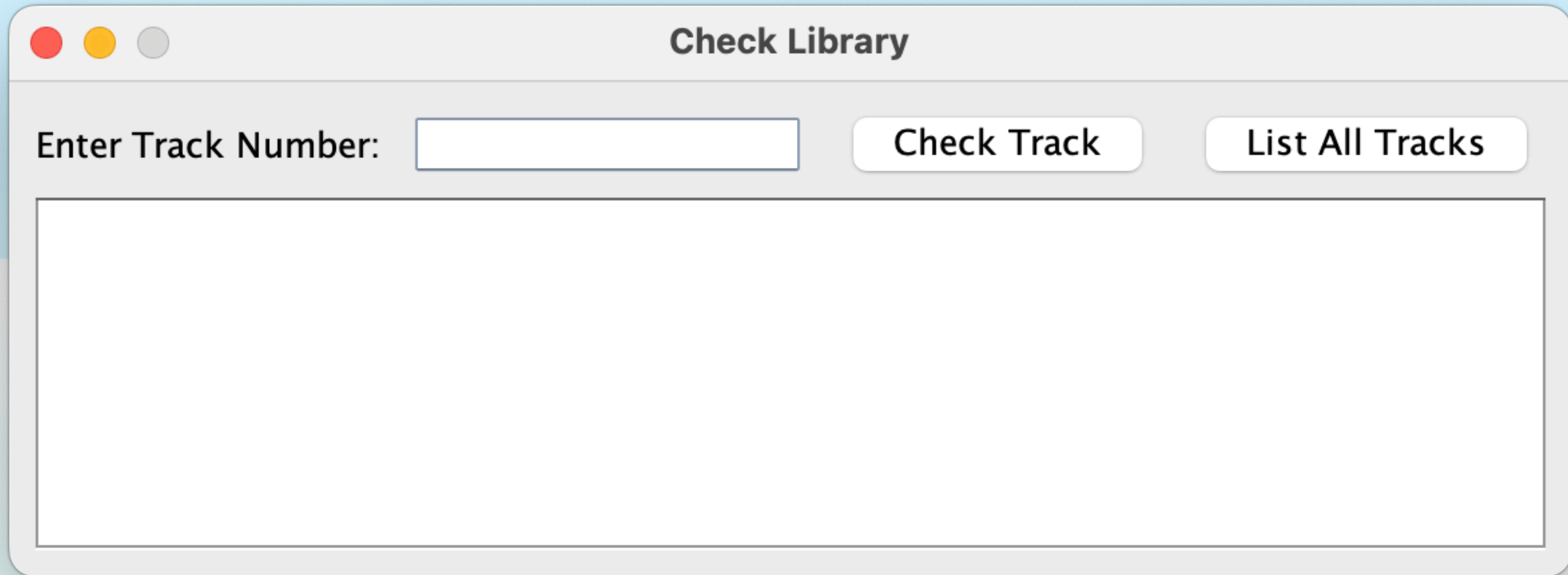
playlist_id	(Foreign Key): Identifier referencing the playlist table.
song_id	(Foreign Key): Identifier referencing the song table.
sequence	Sequence number of the song within the playlist.

**Simplicity Is Deceptively
Complex**

Home



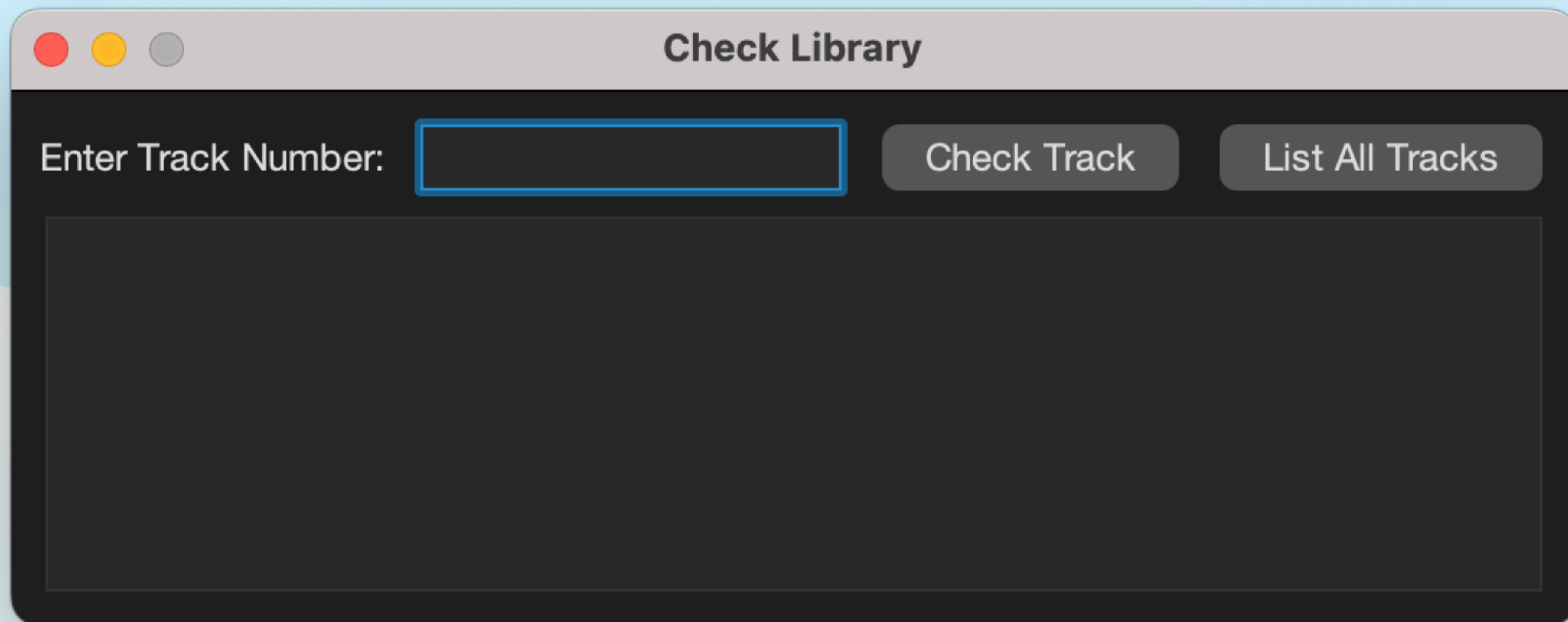
Check Library



A macOS-style window titled "Check Library" with a light gray title bar and three window control buttons (red, yellow, and gray) on the left. The main content area is white and contains the following elements:

- A label "Enter Track Number:" followed by a text input field.
- A button labeled "Check Track" to the right of the input field.
- A button labeled "List All Tracks" to the right of the "Check Track" button.
- A large, empty rectangular area below the input field and buttons, likely for displaying track information.

Check Library (Dark)



A dark-themed application window titled "Check Library". The window has a light gray title bar with three standard macOS window control buttons (red, yellow, and gray) on the left. The main content area is dark gray. It features a label "Enter Track Number:" followed by a rectangular text input field with a blue border. To the right of the input field are two buttons: "Check Track" and "List All Tracks". Below these elements is a large, empty rectangular area, likely intended for displaying a list of tracks or search results.

Create Playlist

Create Playlist

Enter Track Number:

Add Track

Play

Reset

Create Playlist

Enter Track Number:

Add Track

Play

Reset

Update Library

Update Library

Enter Track Number:

Enter Track Rating:

Add Rating

Update Library

Enter Track Number:

Enter Track Rating:

Add Rating

Demo

The End... For Now