Music Data Aggregation & Insights Tool

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A&R teams and music professionals lack visibility into creative networks:

Data about songs and artists is fragmented across platforms like Spotify, Apple Music, and Discogs, making it hard to see the bigger picture and provide valuable insights.

What this means today:

- Identifying common collaborators or creative clusters takes hours of manual research.
- Connections between labels, genres, and songwriters often go unnoticed.
- There’s no way to explore collaboration trends interactively—only static credits.

So What?

Without visibility into relationships and patterns, the industry remains reactive rather than proactive. Opportunities to shape trends and sign major talent often arrive too late, as others move faster.

In a market where collaboration drives hits, this lack of insight means missed strategic moves—like discovering the next breakout artist, spotting creative clusters, or capitalizing on cross-genre opportunities.

For A&R teams and music professionals, **this tool** is the **democratized music collaboration insights platform** that provides clear, interactive discovery of shared collaborators, genres, and labels.

Unlike **static** credits or raw databases, it turns music data into **actionable patterns** and **visual networks**, enabling faster talent discovery, data-driven signing decisions, and strategic roster development while saving hours of manual research.

Why it matters for A&R and music professionals

- **Quickly spot emerging collaborator networks**
  → Gain a competitive edge by identifying rising talent early for signings and partnerships.
- **Make data-driven talent decisions**
  → Reduce risk and improve hit potential by validating creative networks and success patterns.
- **Reveal hidden relationships across songs**
  → Uncover collaboration and genre crossover opportunities to drive innovative projects.
- **Save time with unified metadata**
  → Eliminate manual research and accelerate deal-making with all data in one view.

How It's Built

01 Data Aggregation

- Pulls information from MusicBrainz, Discogs, Spotify, SecondHandSongs.
- Standardizes credits and removes duplicates for accuracy.

02 Derived Insights

- Created algorithms to analyze combined data and surface patterns such as shared collaborators, genres, and labels.

03 Visual Graph

- Builds a network map of songs, collaborators, and related entities.
- Added filters and node details to allow deeper exploration of creative clusters.

04 Interface

- Simple, web-based interface for entering songs and viewing results.
- Designed interactive elements for comparing metadata and exploring insights.

How it works

01 Song Input

Users enter one or more songs into the platform.

02 Data Aggregation & Storage

The system gathers information about the song(s) and stores it in a database for easy retrieval, historical tracking, and large-scale graph generation.

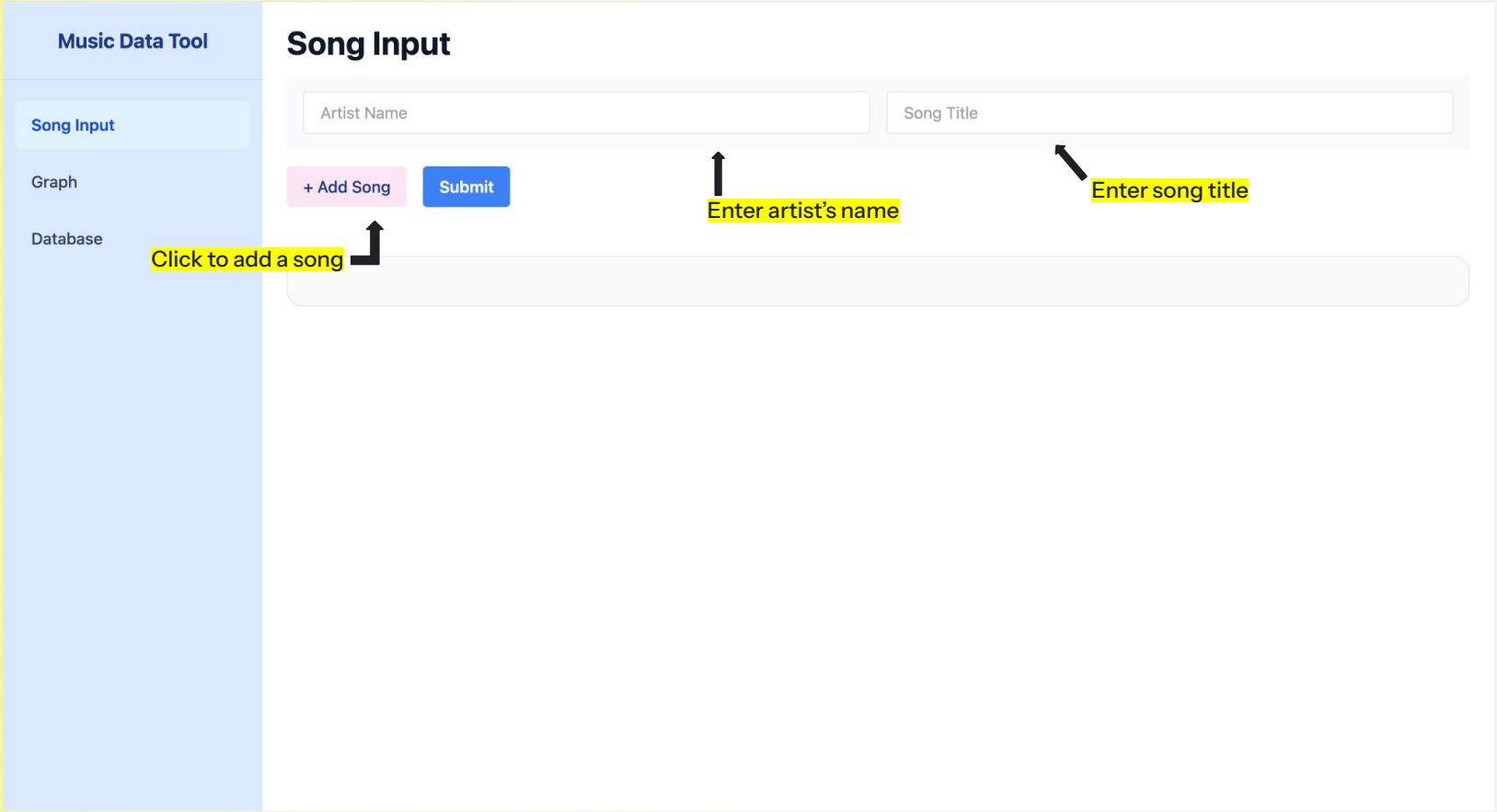
03 Detail Display

The data gathered for each song is displayed, and an insights section about the songs inputted is displayed at the bottom of the page.

04 Graph View

The graph tab to displays an interactive network of songs, and their attributes allowing users to click, filter, and explore connections visually.

User Guide: Song Input Page



User Guide: Graph Visualization Page

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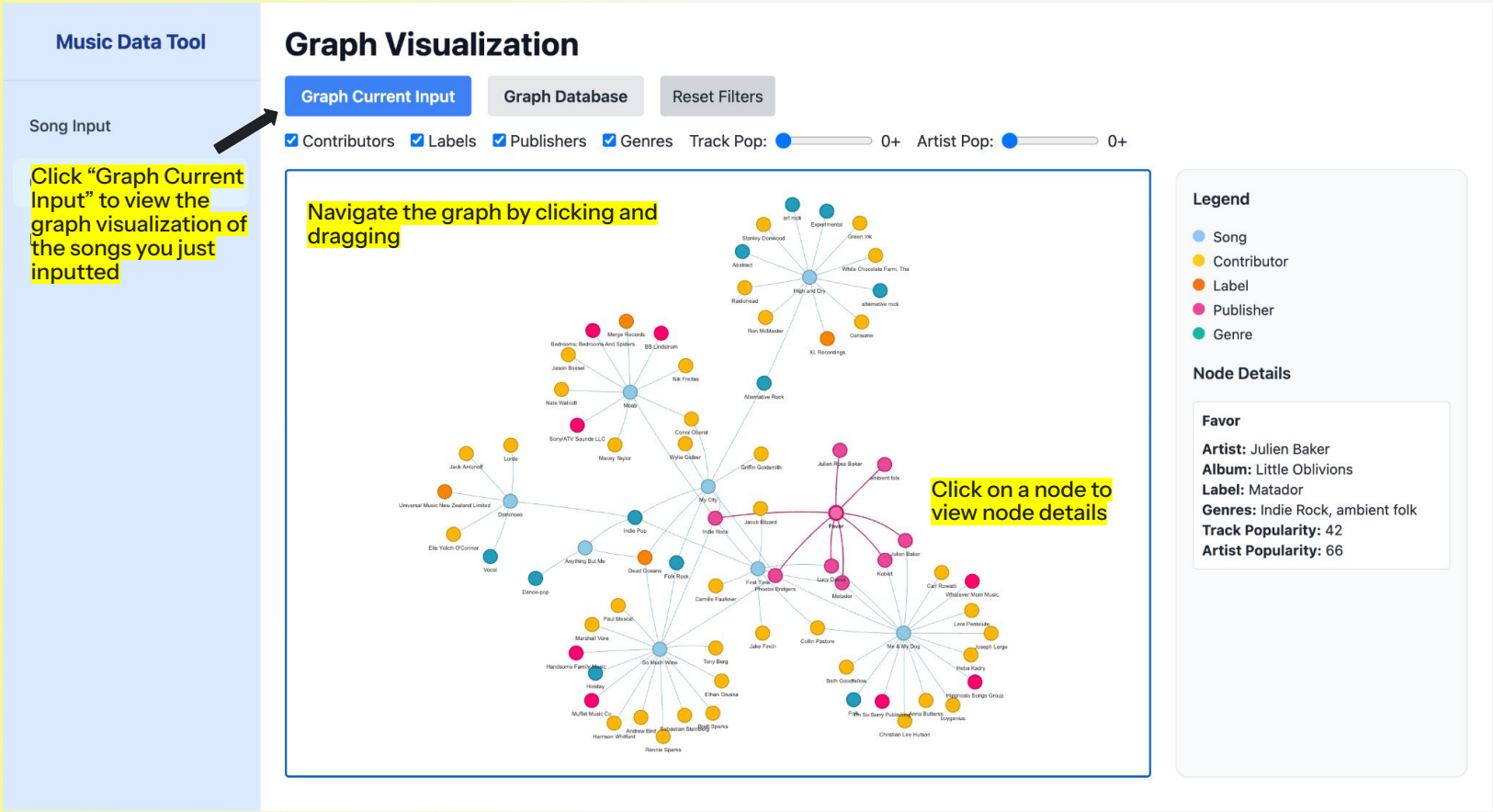
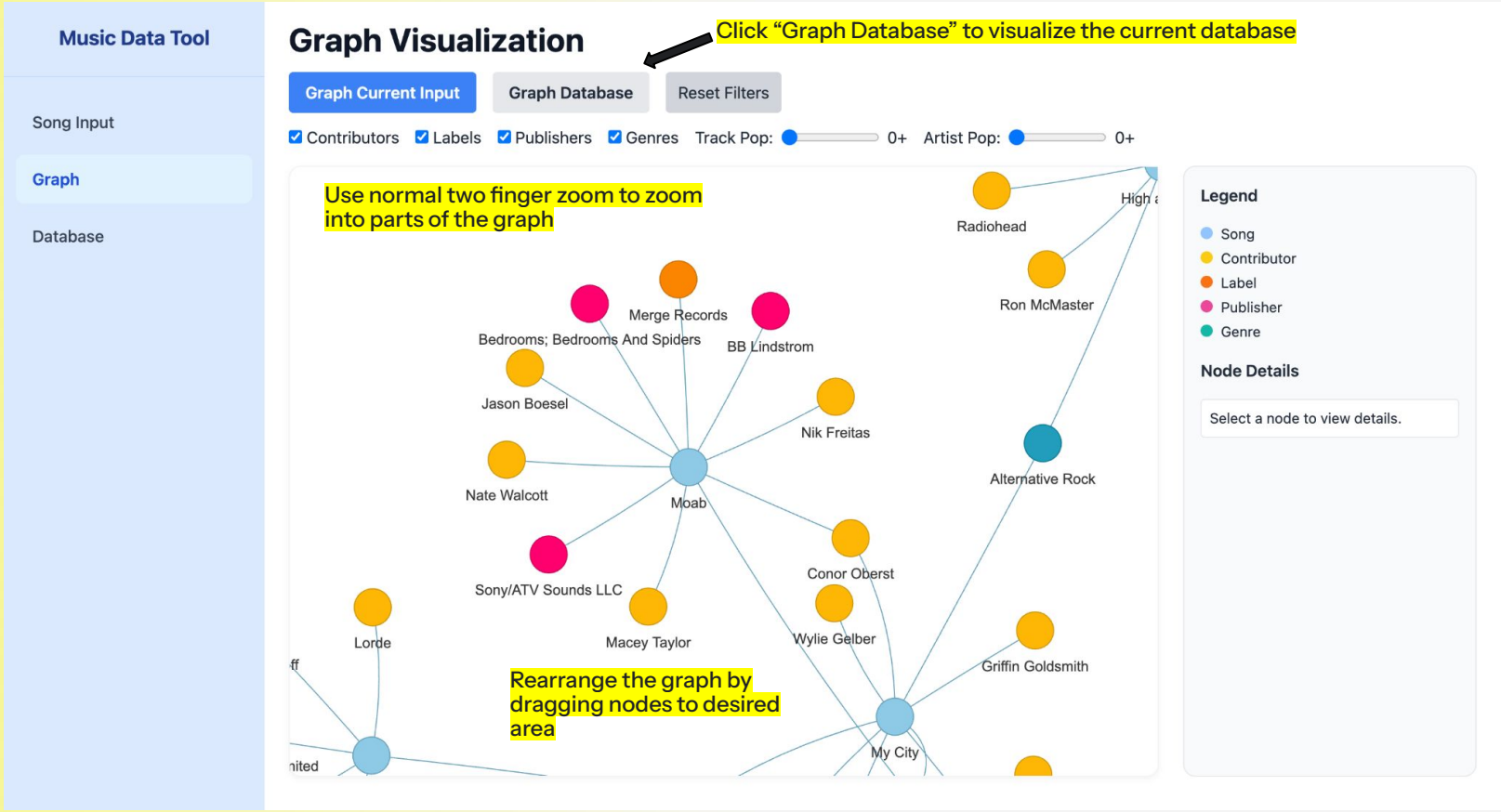
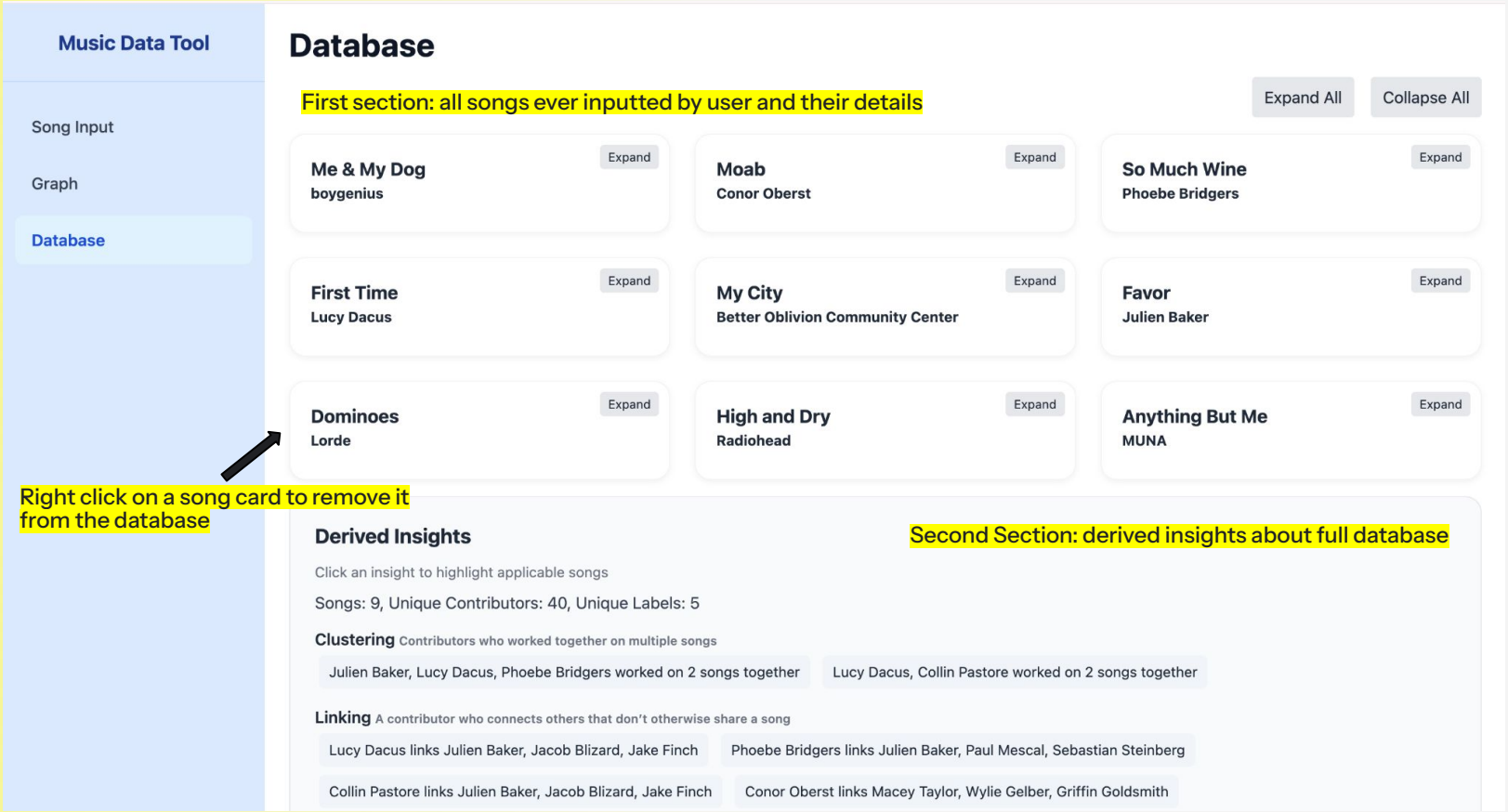


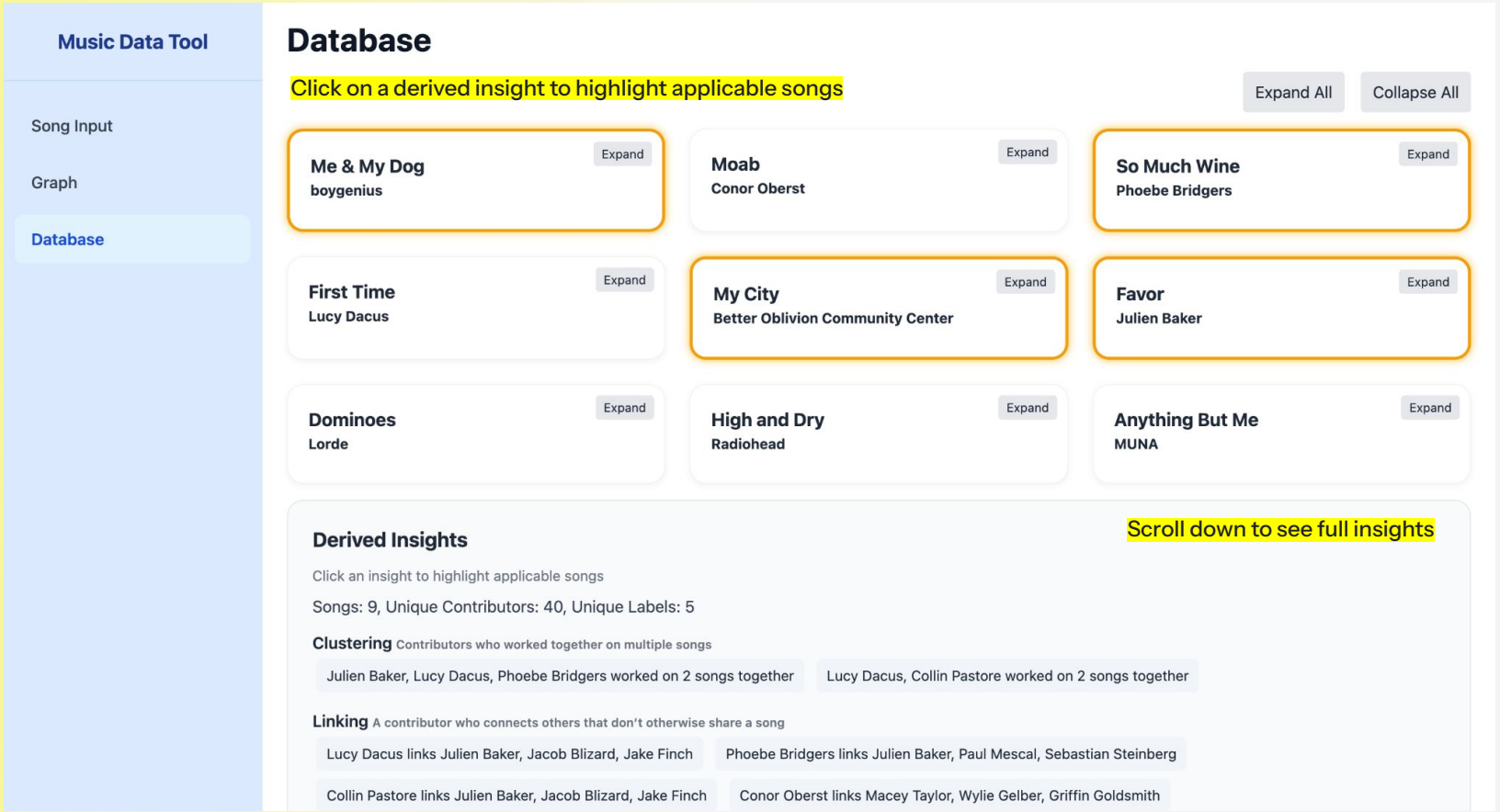
User Guide: Graph Visualization Page



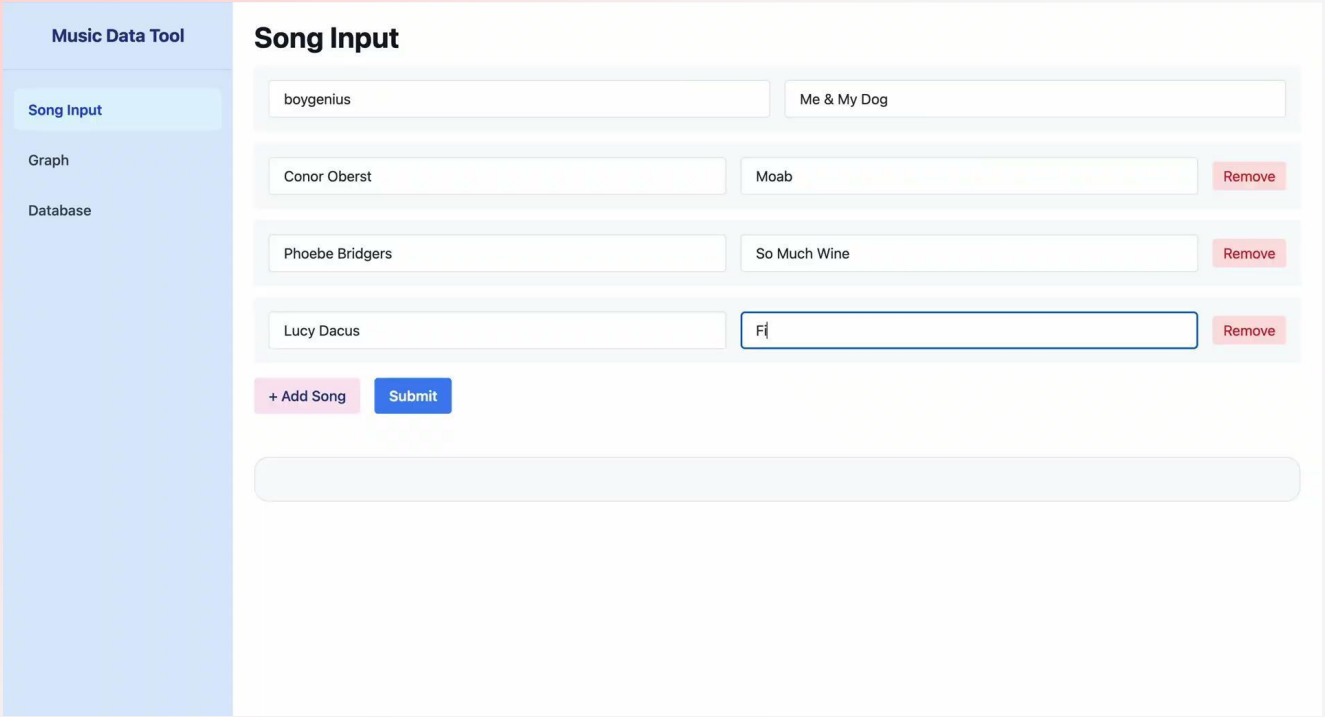
User Guide: Database page



User Guide: Database page



Demo:


Music Data Tool
Song Input
Graph
Database
Song Input
boygenius
Me & My Dog
Conor Oberst
Moab
Remove
Phoebe Bridgers
So Much Wine
Remove
Lucy Dacus
Fi
Remove
+ Add Song
Submit

Thank you!

Checkout my code: https://github.com/juliettemangon2/She-is-the-music-project

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