

Title

- *Spark Songs Project*
- *JUMP*

Change history

- *Version 1 (Project Start Date)*

Overview

Our company wants to add a dancing app to our music streaming service. Our market research has shown that our users are using our app to play dance music on repeat at parties and events. We would like to add that as a supported feature.

We do not want to create a separate database for dance music, instead we would like to filter our existing database

Objectives

- *The app should display the top songs in our archive ranked by danceability*
- *There should be a filter for explicit songs*
- *There should be an option to search for song names, artist names, and album names.*
- *Albums and Artists should be ranked by their average and maximum danceability*
- *Users should be able to further filter the songs by energy, key, loudness, mode, speechiness, acousticness, instrumentalness, liveness, valence, tempo, and duration.*

Success Metrics

- *Minimal bug reports*
- *Reliable display of information*
- *Intuitive User Experience*
- *High User Satisfaction Rating*

Messaging

- *TBD*

Timeline

- *One Day for proof of concept*

Features In

[M] denotes minimum viable experience requirement for Product X

- *[M] Demonstrating all of the required queries are functional*
- *[M] Visualizations of danceability vs. various metrics*
- *[M] A simple dashboard demonstrating the queries and the results*

- *The versions of the queries for our actual database*
- *Storing the data in a database with only top songs and the required fields*
- *Constructing database (SQL) queries for that minified database*
- *Unit Testing for the functions.*

Features Out

- *Cloud Storage*

Open Issues

- *None Yet!*

Q&A

- *Reach out and ask if you have any questions!*