

# P1 Proposal: Song Searcher

## Brief Project Description:

Song Searcher helps users to find and organize songs for a party playlist. It lists songs by their danceability, and supports finding songs with a similar level of danceability. The app makes use of a Red-Black Tree to efficiently insert the song data and retrieve it in a sorted manner based on a danceability score. The data is loaded from a local data file that the user specifies.

## Representative Tasks Performed Using this Application:

1. Find a song of a specific danceability level.
2. Report the average danceability of all songs in a data set.

## Dataset:

For this app you will work with this [song dataset from kaggle](#).