Music recommendation based on binary search tree using the Spotify data

Goals

- Get the top 1000 popular songs from Spotify API
- Generate a tree graph based on the numeric properties e.g. danceability, valence, energy, tempo
- Ask user some questions, each question is related to the song property
 - Do you prefer quiet songs? (If so, loudness < 0.5 (range: 0 1))
 - Do you prefer dance songs? (If so, danceability > 0.5)
 - ..
- Do the binary search and recommend songs based on the user's response

Data source:

- Spotify API

https://developer.spotify.com/documentation/web-api/

- Data will look like this:

