

# Spotify Open Recommendation Engine

**Release Plan** | Team Spotify Squad

**Release:** v.1 | 3 December 2021

**Revision:** 1.0 | rev. 5 October 2021

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## High level goals:

- **Frontend** (Vue + Bulma)
  - Have a search bar with submit that sends request to backend
  - Include filter tags with categories such as genre, artist, tempo, etc
  - Create page with formatted results
- **Backend** (Python)
  - Make a Spotify API call to [fetch recommended tracks based on seeds](#) (artists, genres, specific tracks — the user-input params).
  - Use user-provided constraints to filter the Spotify-provided results.
  - Return a list of tracks fitting the user's filters.

## User stories for release:

- As a user, I want to be able to search for a song within Spotify
- As a user, I want to be able to receive a list of recommendations
- As someone who goes to lots of festivals, I would like to be able to click one button and have a Playlist created with all artists on a lineup
- As someone who enjoys listening to certain genres, I want to be able to refine Spotify's recommended tracks to better fit my taste.

## Product backlog:

- Machine learning based song recommendations
- Machine listening and/or Fast Fourier Transform (FFT) to determine track key

## Project presentation:

- (coming soon!)