

Spotify Open Recommendation Engine

Release Plan | Team Spotify Squad

Release: v.1 | 3 December 2021

Revision: 1.0 | rev. 5 October 2021

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!)