**Readme for the Music Web Client**

# Getting Started with the music web client  
  
  
This app authenticates with the Spotify API and the Genius API and fetches the audio features for searched tracks.  
It also allows you to search a track and list out the audio features and analysis specifically for that track.  
  
  
The Spotify Web API allows applications to fetch lots of data from the Spotify catalog. Some examples of info you get are:  
 - Track, artist, album search  
 - High-level audio features for tracks  
 - In-depth audio analysis for tracks  
 - Download searched song lyrics to a text file  
  
  
Spotipy is an awesome lightweight Python wrapper library for the Spotify Web API. Using Spotipy, you can get any information  
that you can get through the raw Web API. The library does a bunch of the heavy lifting for things like authenticating against the API etc.

LyricsGenius is a lightweight wrapper for the Genius API (Genius.com) and helps users get data like lyrics from  
the Genius website  
  
## Setup  
For this project, I have hardcoded the requisite authentication parameters for both Genius and Spotify so you don't need to do this step.  
The client access tokens are hard-coded for the purpose of this project  
  
  
#### Install Dependencies  
In order to run this program, we need to make sure python3, pip, and virtualenv are installed on your system.  
To install this stuff, run (the setup.sh bash file is located in the project root folder. It will install packages needed for the project  
```  
./setup.sh  
source ~/.bashrc  
```  
\_Note: If you approve, the setup script will add a line to your bashrc (your shell startup commands) which will  
automatically activate your virtual environment when you `cd` into this directory using your isolated python environment.  
  
## Running  
To run the out of the box demo, simply run  
```  
make run  
```  
  
After that, just follow the terminal :)

**Running the client**

The following screenshots show how the client runs based on users selections. Male sure to hit enter twice when prompted to run the client again after selecting a choice (y or n)













