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Mood and Songs

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About our Program



For our final project, we have chosen to create a mood song player program. This program will prompt a user to tell it a sentence about their day. Our program will detect the user's mood, then ask the user what mood they want to feel. Then our program will choose a playlist tailored to match the mood they want to feel. The program can detect four distinct moods: happy, excited, sad, and unenthusiastic.

A red speech bubble graphic with a white outline, pointing downwards. The word "Goals" is written in white text inside the bubble.

Goals

Music is an efficient tool for resolving mental health issues such as depression, schizophrenia and others. Lyrics and vibrations of music can make a huge impact for on mental health issues for a variety of population. Our goal is to aid those who need help analyzing their mood and bring them a relief through music. Sometimes it is hard to understand how your feeling, but with our help it's as easy as just talking about your day. By giving the user the opportunity to tell the program a sentence about their day and allowing the program to analyze their mood, helps those with mental health issues identify how they are feeling. Furthermore, we allow the user to tell the program how they want to feel and not just spit out a list of songs that they don't want to listen to. Our program aims to create a fun and easy way to find music, while aiding the mass population of those with mental health issues.

How It Works

First, enter a sentence about your day.

Second, the program will display your mood: excited, happy, sad, or unenthusiastic.

Third, tell us the mood you want to feel: : excited, happy, sad, or unenthusiastic.

Fourth, the program will display a tailored playlist to the mood you want to feel.

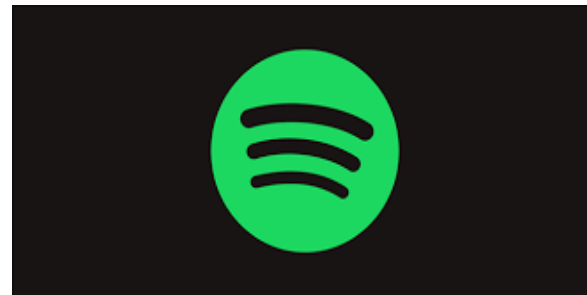


Apis

Indico – with this Api, we are able to examine the sentiment and the moods based on the content of the input sentence of the users

Spotipy- this Api enables us to elaborate fluently with the Spotify website, which is one of the largest music companies in the world.

indico



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Attempts

For project, we tried our best to utilize more features in our programs. But we were unable to do so.

Voice recognition – We attempted to have the user input by using voice recognition Api, but failed since the Api we found were limited.

Audio Playback – We tried to play the songs that were recommended from the programs, but were not able to do so since there were not much codes provided with such functions. Therefore, we had the user input typed instead.

Song search program – We tried to search songs with sentiment detection with in the spotipy Api, but were not able since it was way too complicated and the results were not matching to our goals. We made our own lists of songs instead.

References

- <https://spotipy.readthedocs.io/en/latest/>
- <https://indico.io/blog/docs/indico-api/text-analysis/sentiment-analysis/>