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**Project Title: VibeSync Web Application for Mood based Playlist suggestions.**

**Project Description**

VibeSync project is a web application that suggests music playlists based on the user's mood. The user inputs their mood in a sentence or few words, and the application uses the [groq API](https://console.groq.com/playground) to get a playlist name based on the input mood. This name is then used to search for playlists on Spotify, which are then displayed to the user. There will be a detailed how to use the web app guide on the home page for ease of use.

**API List**

1. **groq API**

* **Purpose**: To get a playlist name associated with the user's mood.
* **Usage**: The mood input by the user is sent to the groq API, which returns a word related to that mood.
* **Link to docs**: <https://console.groq.com/docs/quickstart>   
  I will use the groq-sdk for development as my API.
* **Example usage**: <https://console.groq.com/playground>

A screenshot of a computer

Description automatically generated

This is a screenshot of the groq playground that allows me to test the API. Here I have supplied a system prompt and a user prompt, then I got an output as “Melancholic Ballads” based on my selected model and model parameters. The output will be used to search in Spotify API to find a playlist. The supplied prompt in screenshot is not my final prompt, it’s just an experimental prompt for getting results. I will continue to experiment a bit and then use the final prompt in my web application.

1. **Spotify API**

* **Purpose**: To search for music playlists based on a word return from groq API.
* **Endpoint**: https://api.spotify.com/v1/search
* **Usage**: The word returned by the Groq API is used to search for playlists on Spotify, and the results are displayed to the user.
* **Link to docs**: <https://developer.spotify.com/documentation/web-api/reference/search>

**Wireframes:**

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