SPOTLY

SPOTLIGHT YOUR STORY

WHAT MAKES US FEEL MORE HUMAN?

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LISTENING TO MUSIC

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TOP 5 REASONS WHY WE LIKE CERTAIN SONGS

Melody and rhythm

Lyrics and Meaning

Emotional connection

Vocal performance

Instrumentation and production

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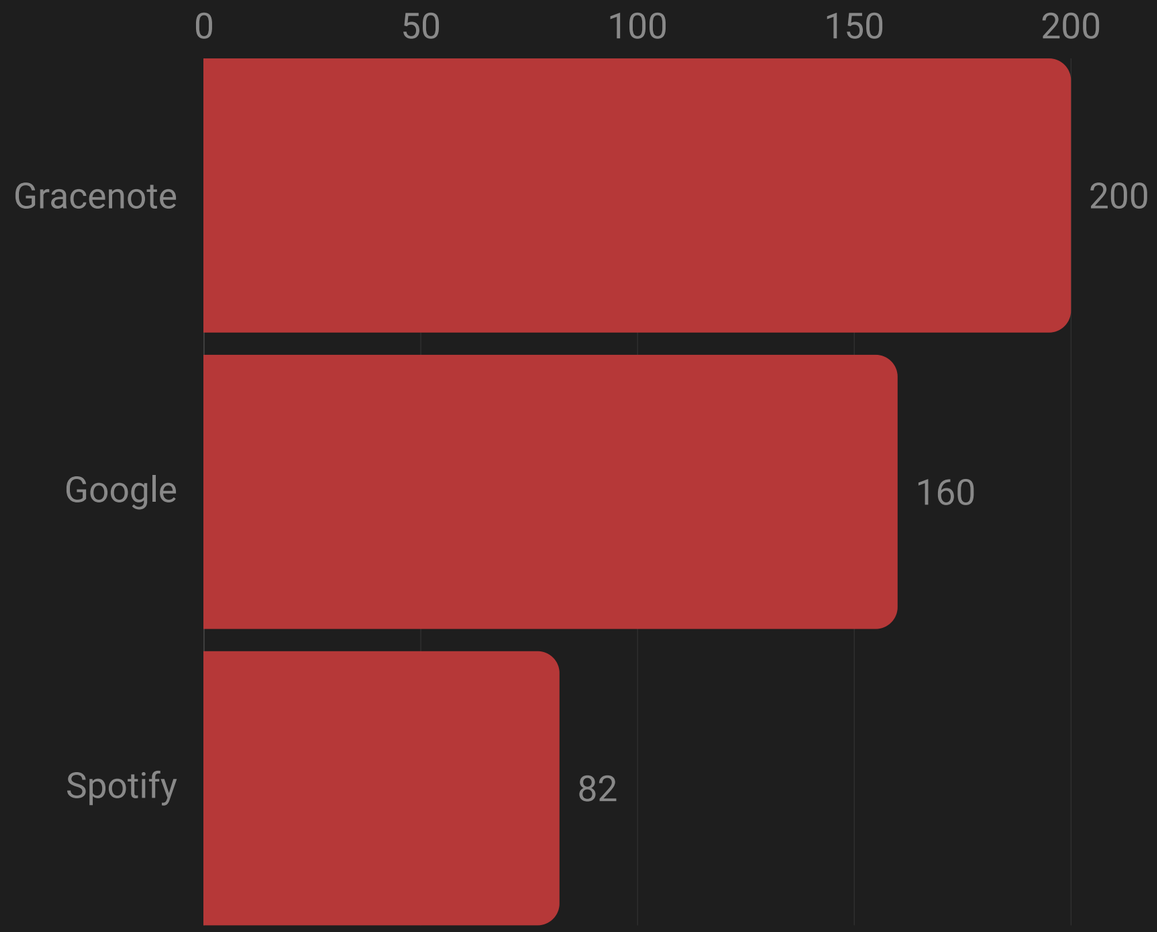
82 MILLION SONGS
ACCORDING TO SPOTIFY

As of 2022

it's safe to assume that there are many more songs that have been released



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PROBLEM STATEMENT

LACK OF CONTEXTUAL SONG SEARCH

Current platforms do not support searching for songs based on specific themes, activities, or lyrical content, limiting users to searches by title, artist, or genre

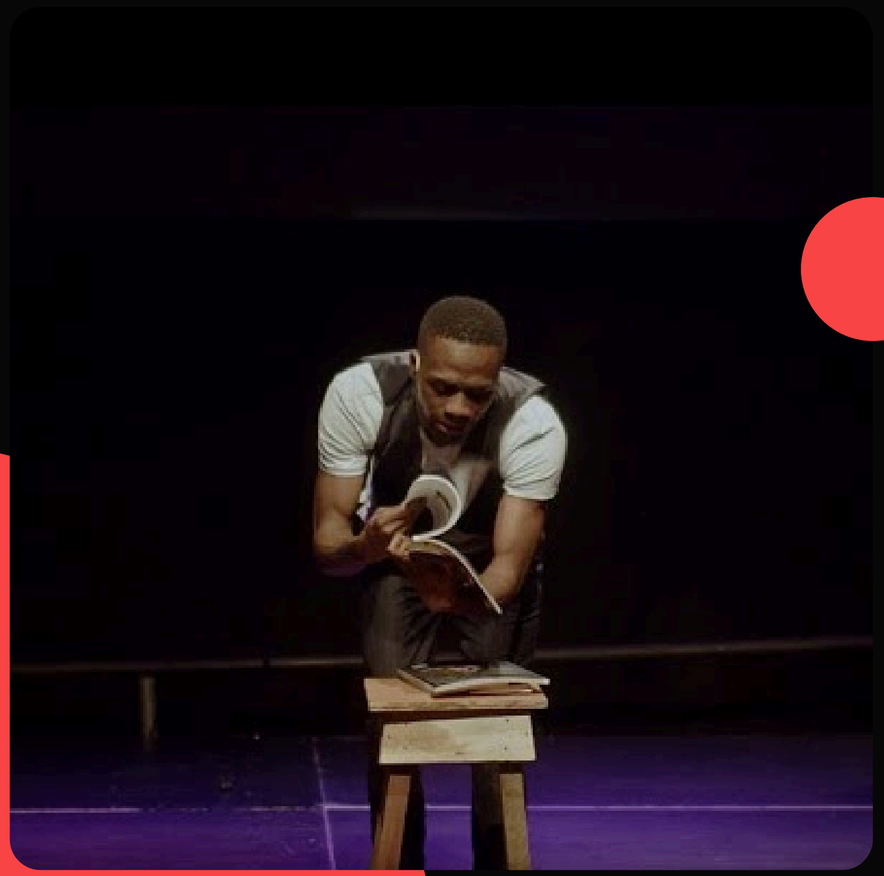
TIME-CONSUMING AND INEFFICIENT SONG DISCOVERY

Users spend excessive time manually searching for appropriate songs, resulting in a frustrating and inefficient experience.

UNDERUTILIZATION OF USER-GENERATED DATA

Due to the inability to write input prompts about the songs they want, platforms miss out on valuable user data that could enhance personalization and recommendations.

SOLUTION



I read 1679 pages book within 2 seconds

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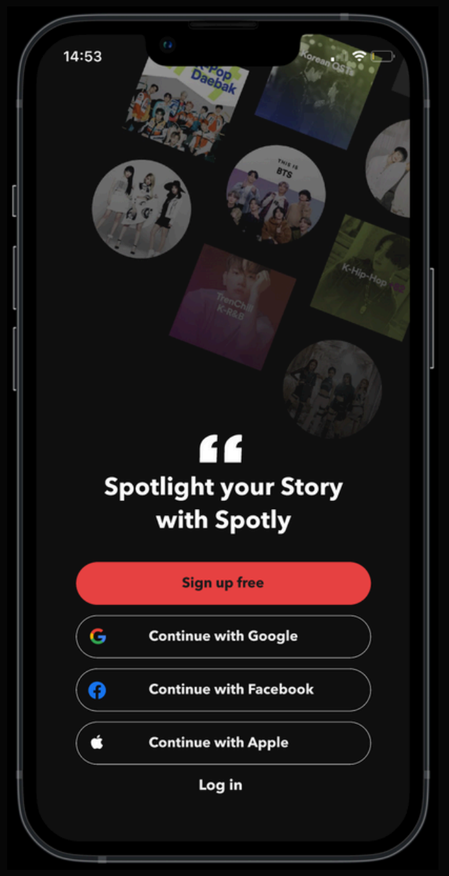

I read all songs' lyrics within 2 seconds

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TARGET USERS

SOCIAL MEDIA ENTHUSIASTS

Individuals who frequently post stories and content on platforms like Instagram, TikTok, and Facebook.

MUSIC STREAMING USERS

Subscribers of music streaming services like Spotify, Apple Music, and YouTube Music who seek personalized music discovery.

EVENT PLANNERS AND DJS

Professionals looking for suitable playlists for events and parties

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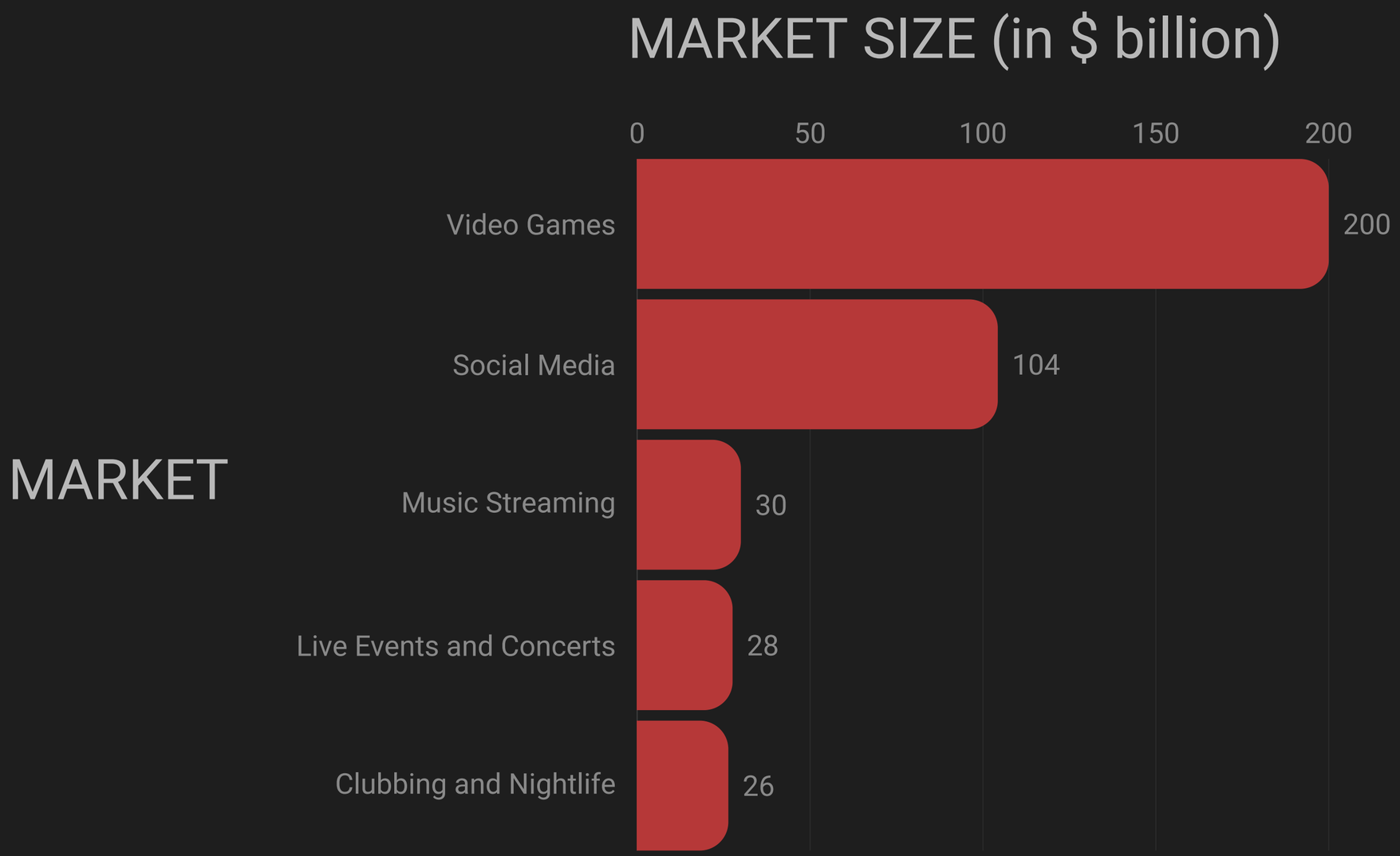
TOTAL ADDRESSABLE MARKET (TAM)

TOP-5 markets our service can effectively cover



PROTOTYPE

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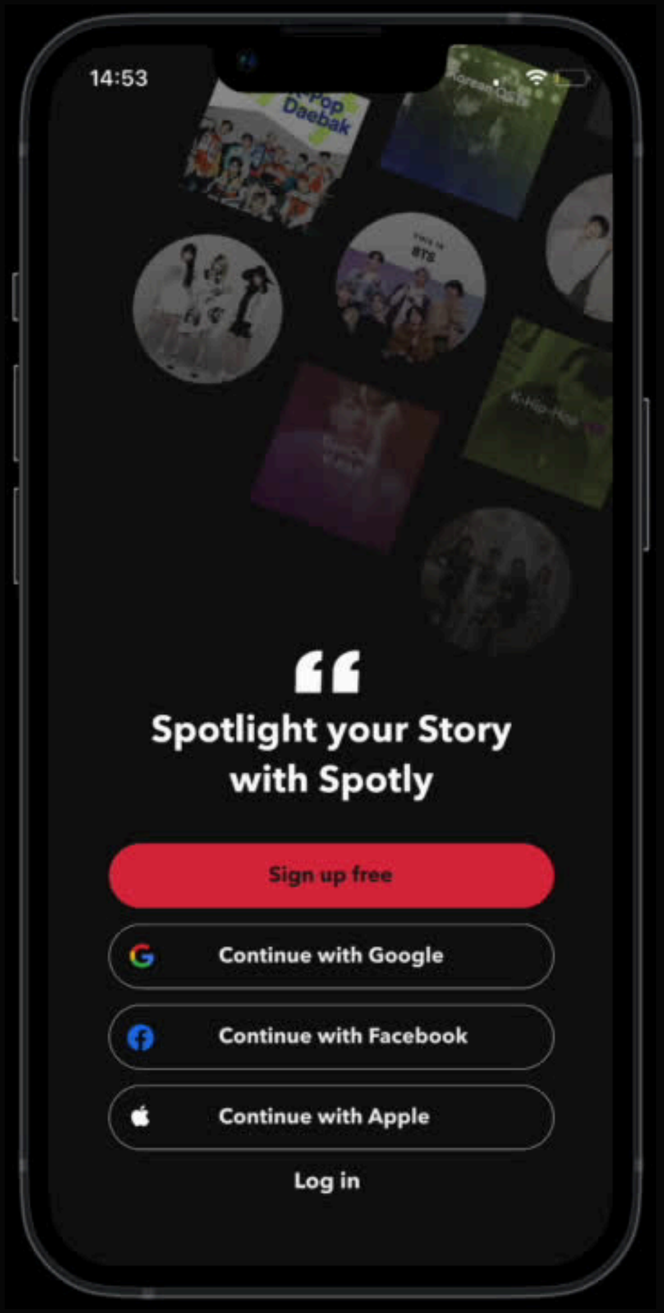
- Enhanced User Experience
- Increased Satisfaction
- Time Saving



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IMPLEMENTATION

STEP 1

Find Dataset

Import song lyrics and preprocess them for analysis.

STEP 2

Fine-tune Pretrained Model

Fine-tune already pretrained model to make song recommendations accurate

STEP 3

Calculate Similarity

Compute cosine similarity between input prompts and song lyrics.

STEP 4

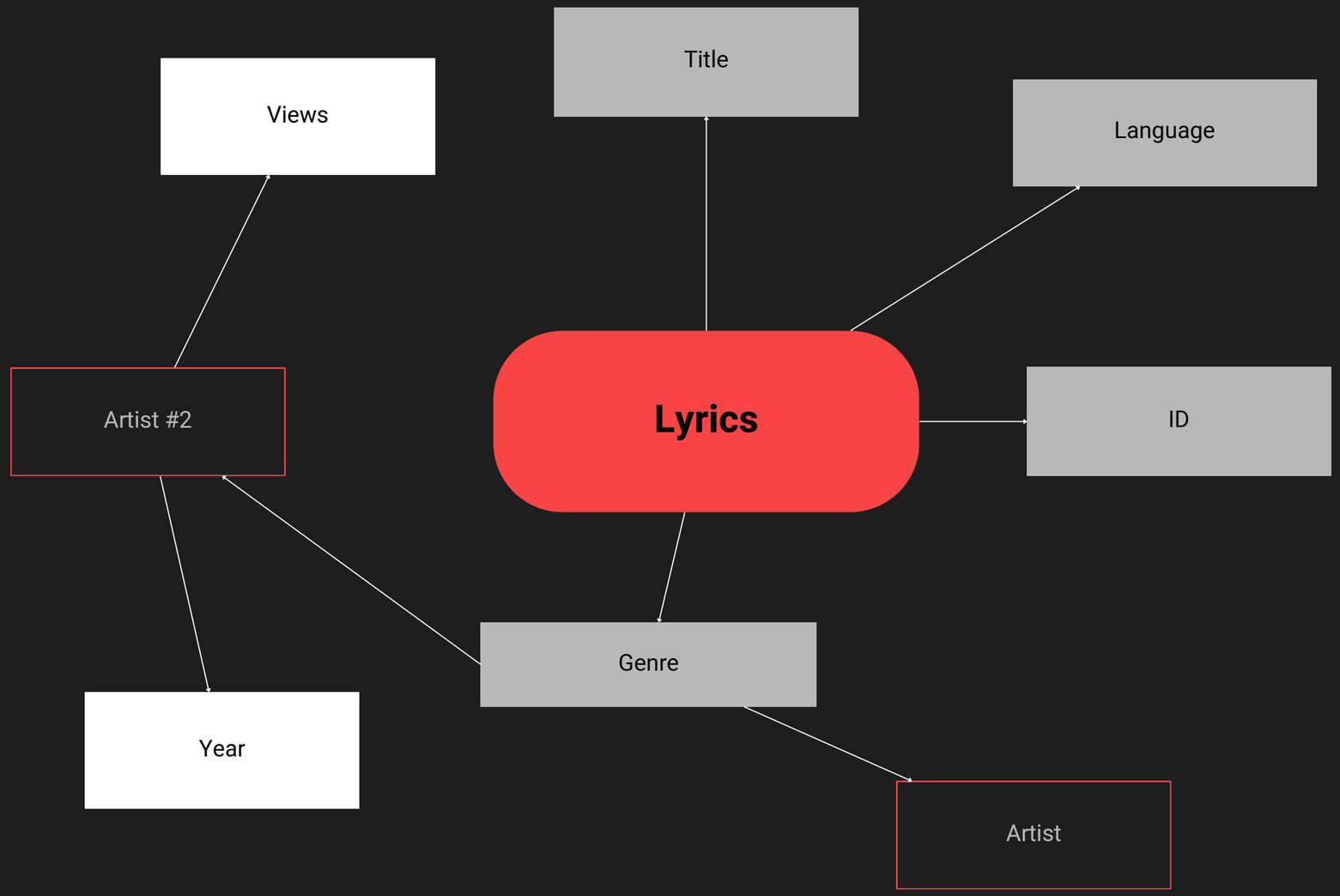
Retrieve Top Songs

Identify and retrieve top similar songs based on similarity scores.

STEP 5

Integrate and Deploy

Incorporate the functionality and make it accessible to users through deployment.



6 MILLION SONG LYRICS DATASET

This dataset contain information as recent as 2022 scraped from Genius, a place where people can upload and annotate songs, poems and even books (but mostly songs)

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CHALLENGES

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Insufficient Supervised Datasets

Limited data can lead to less accurate and relevant song recommendations.

Song Lyrics Copyright Issues

Legal constraints can limit lyric availability, affecting recommendation quality.

High Computational Requirements

Limited hardware access can slow development and delay system deployment.

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FUTURE WORK

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- ### IMPROVE EMOTION DETECTION

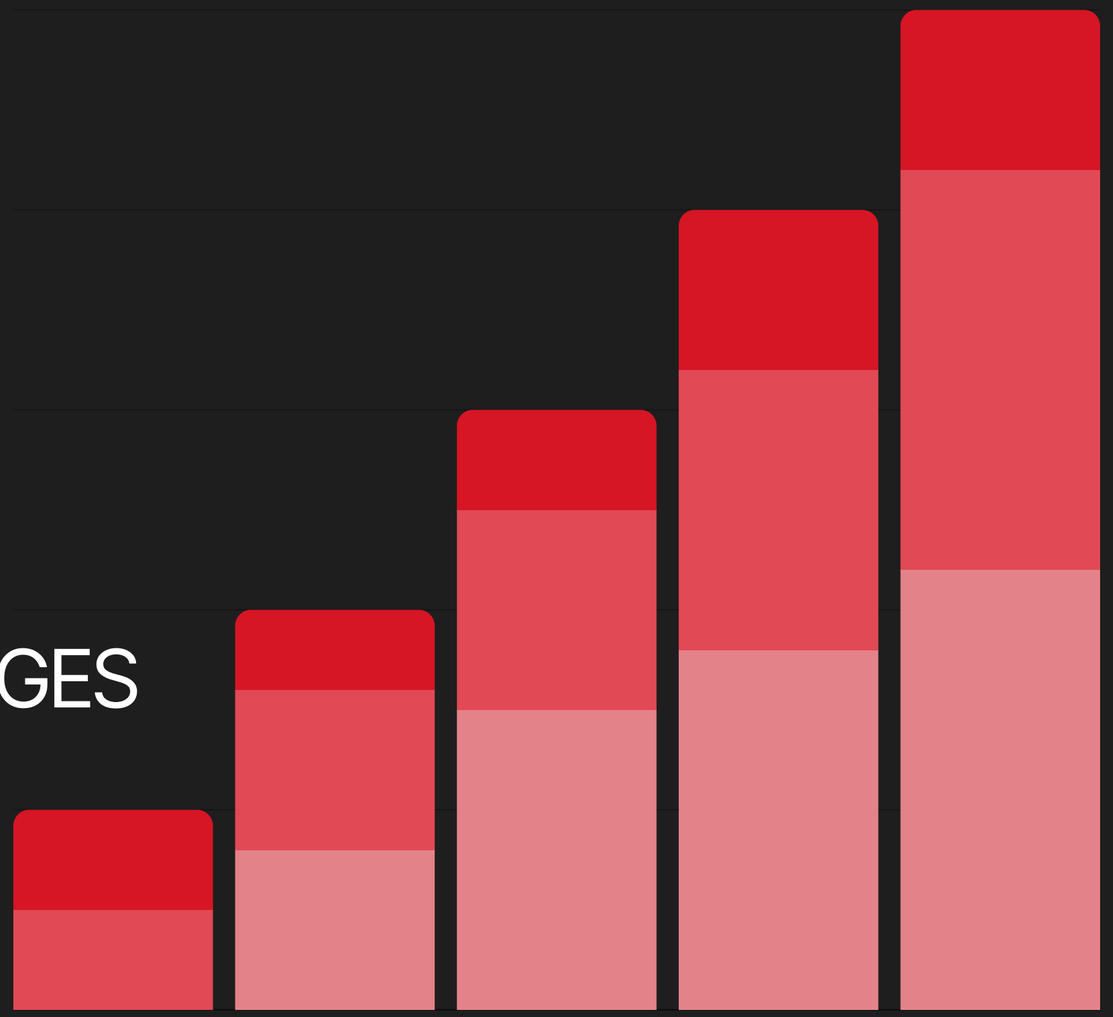
  Incorporate advanced sentiment analysis techniques and multi-modal inputs (e.g., text, voice) for better emotional understanding.

- ### ADDRESS COPYRIGHT CHALLENGES

  Collaborate with the platforms that already have solved copyright issues (e.g. Spotify).

- ### EXPLORE NEW FEATURES

  Develop features such as playlist generation, mood tracking over time, and integration with other media platforms.



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MONETIZATION

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THANK YOU FOR ATTENTION!

BakuGAN team