Problem: Music Recommendations Lack Flexibility

Most music applications generate recommendation lists based on users' recent activity and listening history. While these recommendations often align with users' general taste, they lack contextual adaptability for specific situational needs. For instance, imagine a user who has just completed a difficult exam and is driving home at sunset. The fading sunlight on the lake evokes a relaxed, reflective mood, but their music app continues recommending songs based solely on their usual preferences—such as trap music—without considering the moment's emotional context. Users need a more intuitive and flexible way to communicate their current mood, environment, or situation to receive more relevant and personalized music suggestions.

Existing Technology and Limitations:

1. Spotify's Recommendation System: It uses past listening history to suggest new songs and can also recommend songs with a similar style to the one you choose. However, it lacks real-time customization—it does not provide users with methods to request specific recommendations. Additionally, the recommendations are sometimes too monotonous, without exploring new music.
2. User-Selected Playlists: Many music platforms allow users to create and share playlists based on themes or moods. But Searching for suitable playlists using keywords can sometimes yield inconsistent quality, as there is no guarantee the playlist was curated with expertise or personalization in mind.

Proposed Solution - Intelligent Music Recommendation:

The solution is designed to be embedded in existing music apps. Instead of relying solely on past habits, the new functions in the app should allow users to describe what they need in the moment and receive suitable music recommendations. Typing a sentence like "I want relaxing music for a sunset drive" or "I want to feel like a secret agent while walking" should generate recommendations that fit the scene. Beyond text, the app could accept images, videos, or short audio clips. A user could snap a picture of the ocean, and the app would suggest songs that match the vibe.

User feedback should go beyond simple likes and dislikes. If a song has the right feel but the lyrics don't fit, the user should be able to say, "I love the melody, but please give me more like this with

better lyrics." If they love the intro but not the chorus, they should be able to ask for songs with a similar opening style. The more detailed the feedback, the better the recommendations.

This solution makes music recommendations feel less like a static algorithm and more like an interactive, real-time experience tailored to what the user actually wants at the moment.