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DUET

ABSTRACT

This project aims to connect people through shared musical interests, creating friendships and community by analyzing Spotify activity to match users with similar tastes and recommending concerts to promote activities to build relationships. Unlike dating-focused platforms, it emphasizes connections, whether platonic or romantic, centered around music. Built with Flutter for mobile and web compatibility, the backend uses Firebase, including Firestore and Firebase Auth for real-time data and authentication, and with Meta's Send API allowing chat features. Its unique concert recommendation feature sets it apart by offering users a way to strengthen connections through shared experiences, helping them discover local events/concerts that align with their music preferences. This provides a safe and natural setting to meet in person, strengthening the bond formed through the platform.

GOAL

Our target customers are people looking to connect with others who share similar musical interests. Our product addresses the challenge of finding new friends, especially for those who have recently moved to a new city, university, or country and are seeking a sense of community. By analyzing users' Spotify activity to match them based on their musical tastes, the platform creates opportunities to connect. It also facilitates discovering concerts and events in your area, giving a setting for friendships to grow.

HOW IS THIS DIFFERENT?

The existing platforms like this are focused on dating and present themselves as a dating app. While this one can be used for dating, it's main focus is simply to connect people in any way they see fit. The added feature of showing concerts to people based on their musical interests is something that existing platforms don't have. A new way for people to meet new

friends and/or partners, knowing already that they will have something in common with the other (music taste)

TECHNICAL APPROACH

Front end (mobile/web)	Flutter
Backend	Firebase
Database	Firestore (real-time database)
Authentication	Firebase authentication
Real-time features (real-time chat)	Send API (Meta)
Deployment	Flutter

RISKS

A risk is ensuring that Spotify activity data accurately represents users' musical preferences and compatibility. Spotify data may not always reflect a user's true music taste, since it could include playlists made for others, workout playlists, or passive listening (i.e. random background music).