

**Project Proposal:** Music Translator App

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Our project aims to develop a Music Translator App that helps users learn or practice new languages while gaining a deeper understanding of song lyrics in different languages. By blending language learning with music, this app will provide an engaging and interactive experience for language enthusiasts and music lovers alike.

The app will be built using Angular to ensure a smooth and responsive user interface. It will integrate the Spotify API to access user profile data, including music preferences, and the Musixmatch API to fetch and display song lyrics alongside their translations. These APIs will enable the app to deliver personalized and accurate translations, making the learning process enjoyable and effective.

If time allows, we plan to incorporate additional features such as:

- **Speech Mode:** Allowing users to practice pronunciation by comparing their speech to the song lyrics.
- **Vocabulary Quizzes:** Helping users build their language skills through interactive challenges.
- **Karaoke-Themed UI:** Creating an immersive experience where users can sing along to translated lyrics.

With its unique combination of music and language education, the Music Translator App aims to provide users with a fun and meaningful way to discover new cultures and improve their language skills.