Harmony

Requirements Document

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Functional Requirements

~ User should be able to login using their account information.
~ Map functionality should be working.
~ The app should be able to detect and identify songs playing around the user.
~ The app should allow users to discover nearby people or friends with similar music tastes.
~ It should connect with platforms like Spotify etc.
~ Users should be able to message and interact with their matches.
~ Users should be able to create and customize their profiles, favourite genres, and top artists.
~ Blocking and reporting, users should be able to block users who they wish to not engage with or report them to the moderators to act.
~ The app should calculate a compatibility score between users based on their music taste.
~ Users should be able to filter and search for music by artist, genre, mood, popularity, and location.

Non-Functional Requirements

~ User Friendly Interface, the design should be intuitive and easy to navigate for all users.
~ The app should be able to handle a growing number of users and data without performance issues
~ User data, including listening history and preferences, should be securely stored and protected.
~ The app should provide a smooth and lag-free experience while scanning songs and matching users.
~ The app should comply to data protection laws.