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Milestone 1 Write Up

Our idea is to create an app that finds and plays music from a user's music library based off of the user's movement and GPS location. This can be thought of as a smart playlist. Music preferences based on location will be stored in a database so that when the user reaches a location, music that is often played by that user at that location will be more likely to play. The accelerometer will influence the type of music being played as well. For example, faster acceleration would play faster songs while slower acceleration would play slower songs. Actions such as skipping tracks influence the song's ranking for that area.

We are still in the process of determining where the music comes from. We may use an API like Pandora to receive music, or we may access local music from the device. The transition between songs is still something we are determining. We are not sure yet whether the app will wait for a song to complete before moving on to a new song. Or the song could fade in or out into a new song upon reaching a certain area.