A close-up of a cell phone

Description automatically generated with medium confidenceA screenshot of a phone

Description automatically generated with medium confidenceA picture containing text, monitor, electronics, screen

Description automatically generated

https://github.com/paulheo5/AITSongify.git

A picture containing text, screenshot, businesscard

Description automatically generated

This is a project I worked on with some friends to make a song comparison android application. First, we accessed the Spotify API so we could access audio features built into each track in Spotify. This feature assigns traits like danceability, energy, key, tempo, loudness, etc. Once we were able to access the complicated Spotify API, we were able to compare 2 songs by their audio features. The result is in the above 3 pictures. The project has 3 different activities, a main screen, a dialog, and a result. The button in the main screen is how you reach the dialog, and you can copy 2 song URLs to compare them. The search button brings up the comparison.

This project was super fun for us because it combined our love for music and computer science. I have actually been using this in creating some playlists and it has been helpful. I hope to continue working on this and update it so it has greater uses and displays a little more information about each song.