SoundScape
Personalize Your Playlist

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OVERVIEW

SoundScape is an AI-powered music app that generates personalized playlists by integrating with the Spotify and OpenAI APIs. The app tailors music recommendations to each user's preferences by analyzing various factors such as listening history, current mood, location, weather, time of day, new songs they want to listen to, and more. What's unique about SoundScape is how personalized the playlists are that it creates. It lets users control how much new music they want to discover, blending familiar tracks with fresh selections and accounting for the right mood or timing that may influence what someone wants to hear. SoundScape aims to create a seamless listening experience that evolves with the user's context and preferences.

TECHNOLOGIES

- React
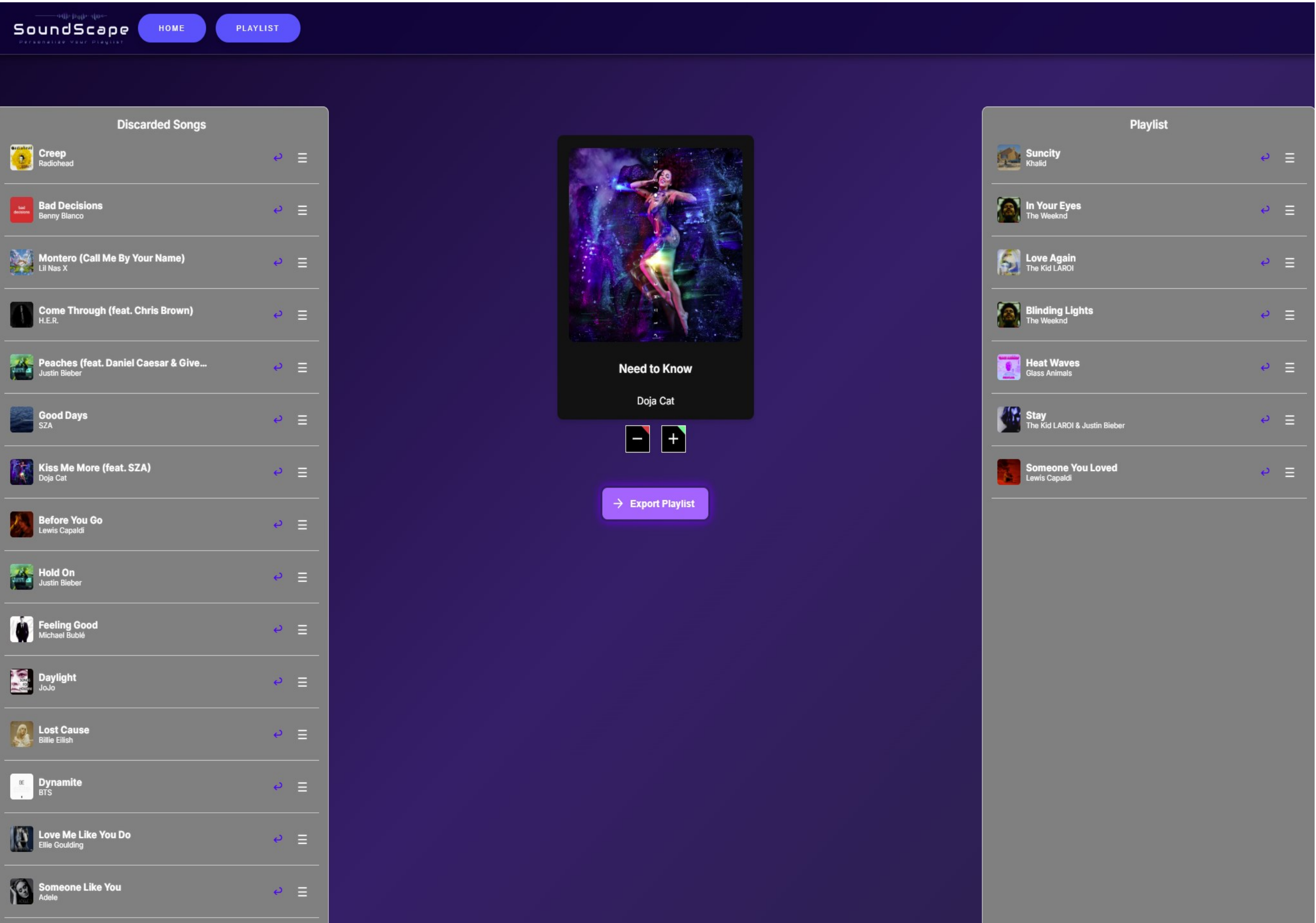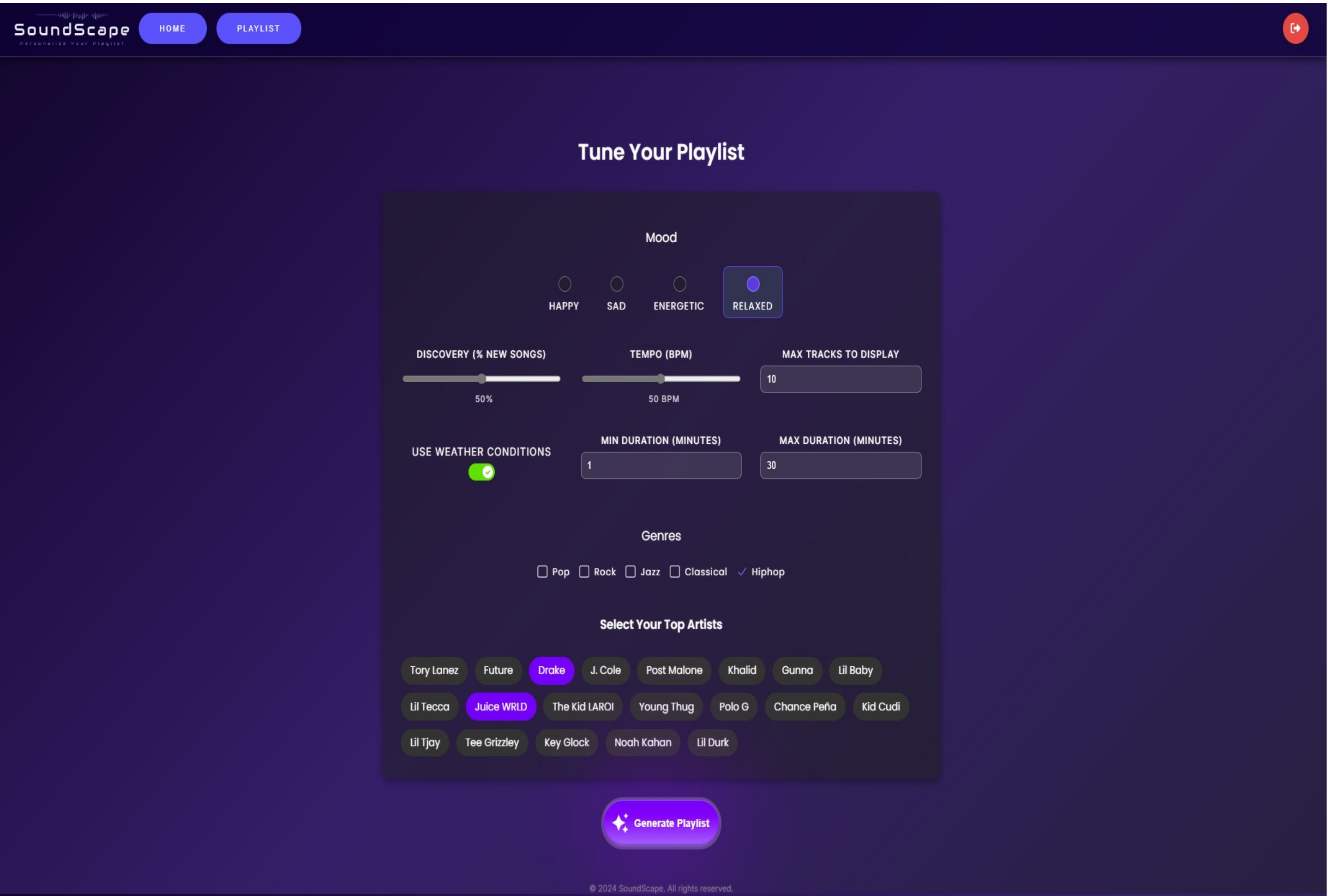- Node.js
- Spotify API
- OpenAI API

GOALS

- To develop an app that works with the user to provide personalized and accurate playlists based on various factors, ideally creating a playlist where the user will not want to skip any songs
- To create an app that we would use regularly
- To develop the group members' skills and learn various programming skills
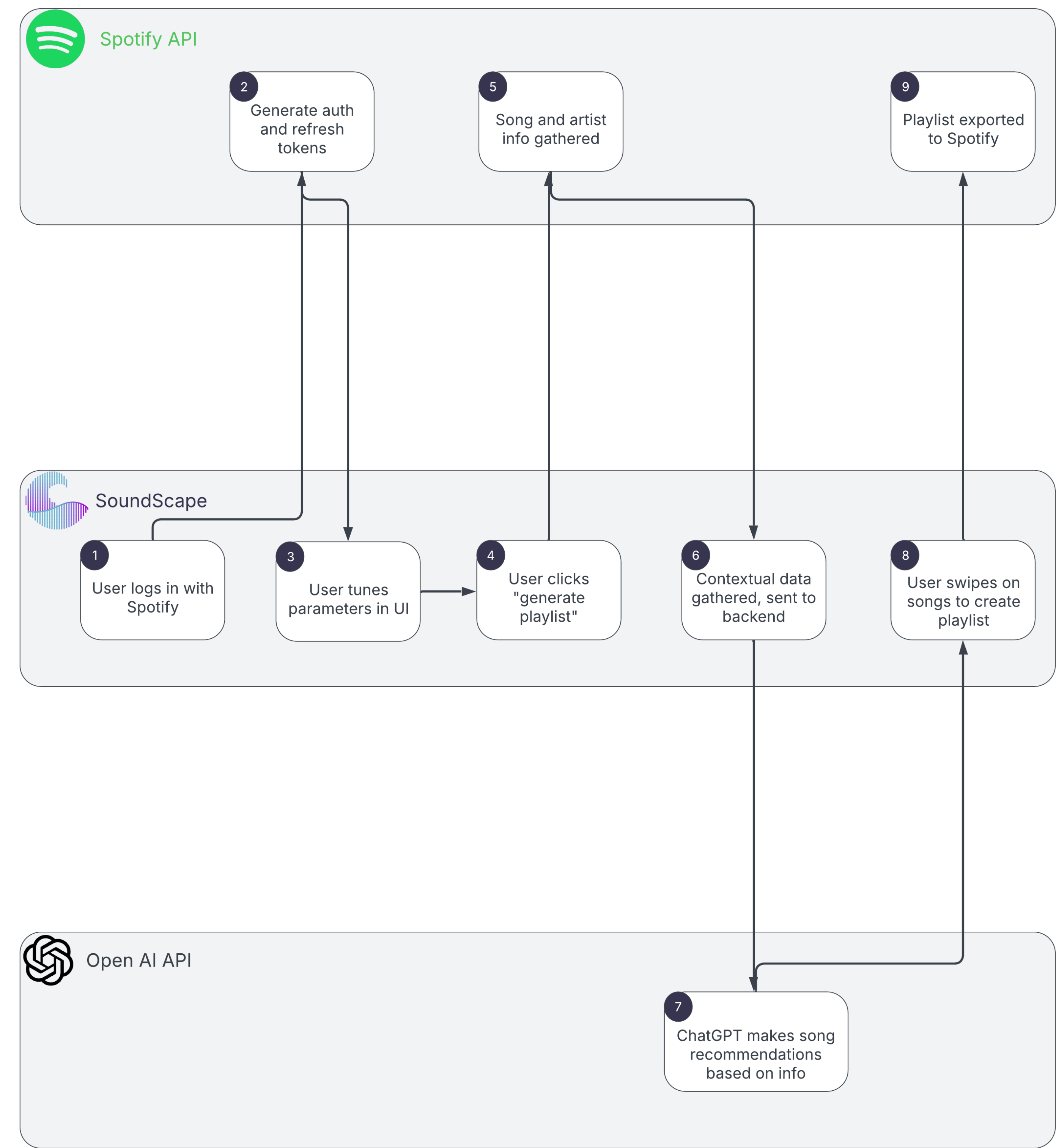
CHALLENGES

- Working with the Spotify API after many endpoints were deprecated while developing the project
- Researching and developing an AI model to make music recommendations—we eventually opted to use the OpenAI API
- Working with React with little experience
- Working around our busy senior schedules

INTERFACES

Main Page

Playlist Page

DESIGN/FLOW

ACHIEVEMENTS

- Creating an app we would use every day and that can help others improve their music listening experience
- Learning about development with React, the Spotify API, and the OpenAI API
- Creating and understanding AI models and how to implement them into an application

NEXT STEPS

- Develop a custom AI model to handle music recommendations
- Develop a mobile app
- Continue to improve the UI/UX