

## Proposal 1:

This project idea is an application that gives the user spotify playlists based off of the weather that day. We will be utilizing the Spotify and Weather Channel APIs. The third-party authentication will be done through Spotify but we can also utilize the Google SDKs for their OAuth. We will prompt the user for their preferences of playlist moods/themes depending on weather (ex. One user may want happy playlists for sunny vs happy playlists for rainy). The application will then give the user a playlist that lines up with the weather for that day and their preferences. In terms of databases, we plan to have our project store user data within a database and retrieve it when needed. Possible data types include account details for spotify, user's location data, playlists created in the past, and so on.

## Proposal 2:

This project idea is an application that uses schedule or calendar data to give the user spotify playlists. To accomplish this, we would use the Spotify and the Google Calendar API. There would be third party authentication through both Spotify and Google. The app would read the types of events and the groupings that were present on the calendar, and create a corresponding playlist based on user preferences (ex low-fi for studying, or workout mix for a run that day). The app could also have functionality to create playlists based on the time of day. Similar to the other project, the database would be composed of user data, and would be retrieved when needed. Examples for user data for this project include number of hours scheduled, types of events scheduled for the day, account details for both Spotify and Google, and so on.