

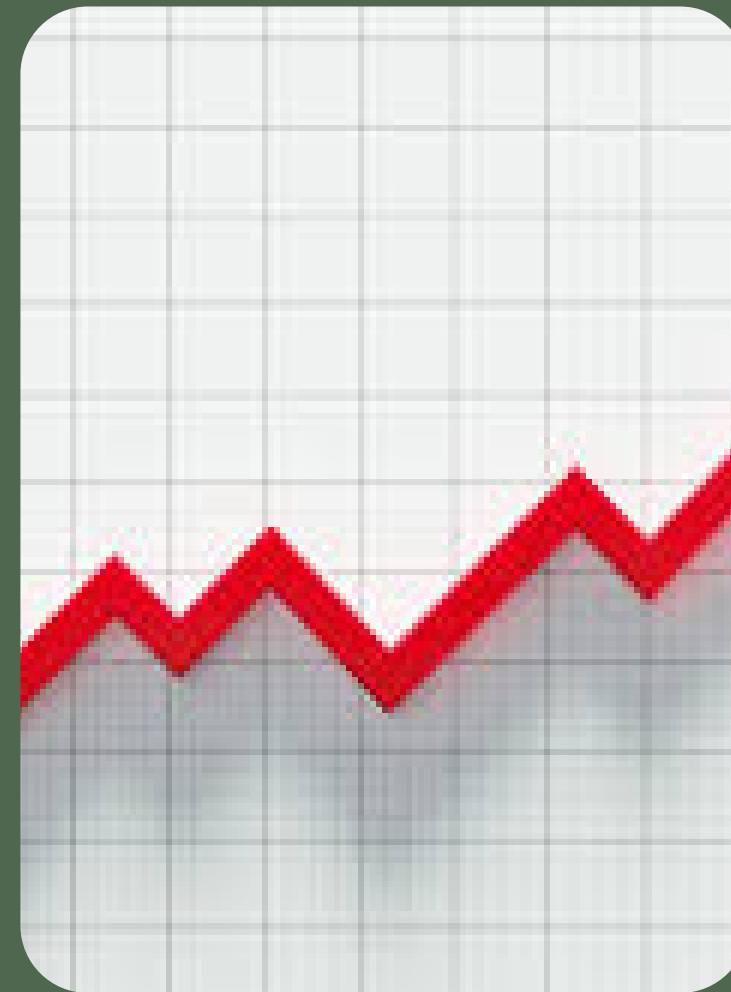
# Amassify

The Spotify Stat and Ranking App by Andrew Oneal

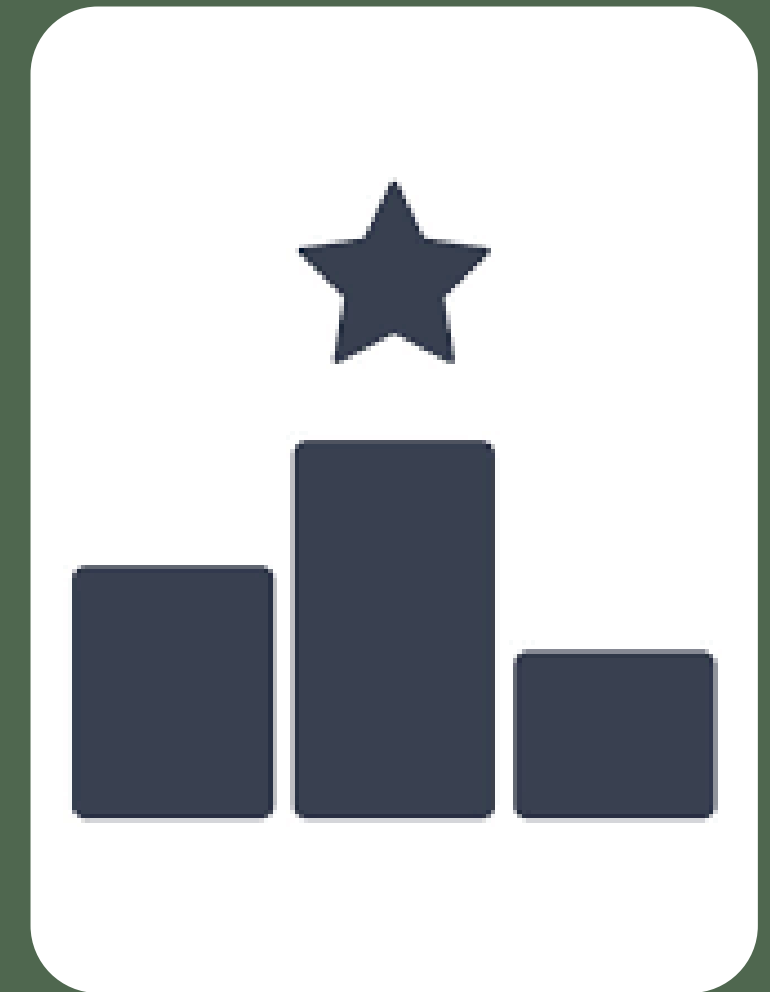
# The Problem



You love listening to music on the biggest streaming platform: Spotify



You want to be able to see your Spotify listening stats, with additional insights that aren't available through Spotify.



You want to be able to manually rank your favorite artists, albums, and songs

# Why is this Important?

1. Your easily-accessible data should be viewable for free.
2. Your listening history doesn't always reflect your favorites.
3. You want to be able to see insights into your history.
4. All of these features should exist in one place.

# The Solution

An easily accessible app with following features:

- Full Spotify OAuth integration – no separate account needed
- A Profile Page with a display of your top tracks, artists, and albums, as well as your recently played songs.

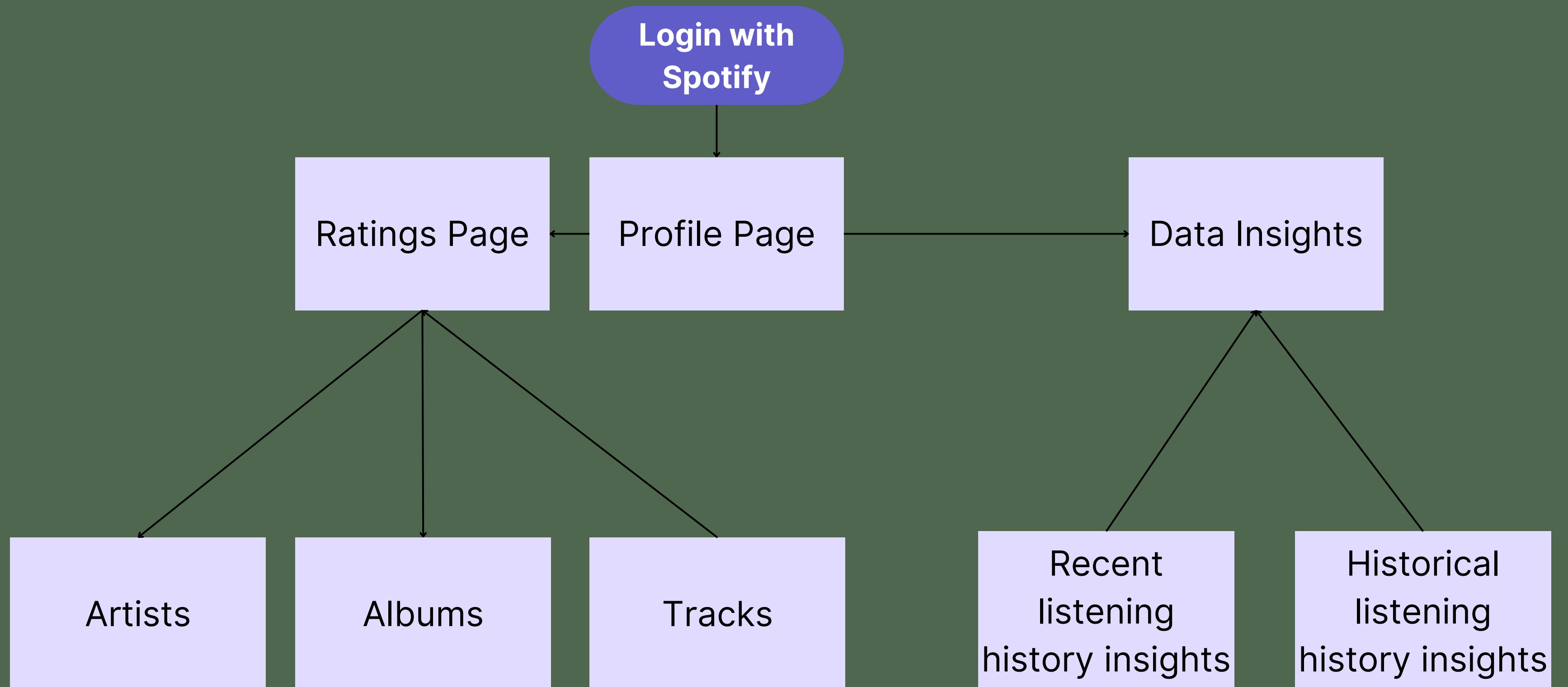
# The Solution – Continued

- A Data Insights page with calculations of many different insights such as top genres, top audio features, and how popular your music taste is, all based on your Spotify data.
- A Ratings page where you can search for, add, edit, and reorder your all time favorite tracks, artists, and albums.

# The Solution – Tools



# Architecture - Front End



# Architecture – Back End

## Spotify API:

- Get User access token
- Get User profile info
- Get User top tracks for 4 weeks, 6 months, and 1 year
- Get User top artists for 4 weeks, 6 months, and 1 year
- Get User recent tracks



# Architecture – Back End

## PocketBase Functions

- Put new user login data (Spotify username, user id)
- Put new user top artists, songs, and tracks lists
- Get user login data (Spotify username, user id)
- Get user top artists, songs, and tracks lists

# Architecture - Back End

## PocketBase Functions

- Update user top artists, songs, and tracks lists
- Delete user login data (Spotify username, user id)
- Delete user top artists, songs, and tracks lists

# The Plan

●  
3/30 First Iteration:  
Complete rough  
architecture and  
prototype

●  
4/6 Second  
Iteration:  
Complete Spotify  
API integration

●  
4/13 Third  
Iteration:  
Complete  
PocketBase  
functionality -  
user controlled  
ranking lists.

●  
4/23 Fourth  
Iteration:  
Finishing  
touches - UI/UX  
improvements,  
documentation,  
final testing

# Progress

LoC: 150 - testing and prototyping the use of the Spotify API

Requirements: 2 of 32 complete, 6.2% burndown (this is planned and on-schedule)

Test Coverage: 0 of 16 complete, 0% coverage