#### After much delibaration I have an idea

Well, two ideas

## At first I wanted an interactive data visualization and soley that

Then I realized what my heart of hearts wanted:

One App

One part visual

One part data centric

Both parts AWESOME

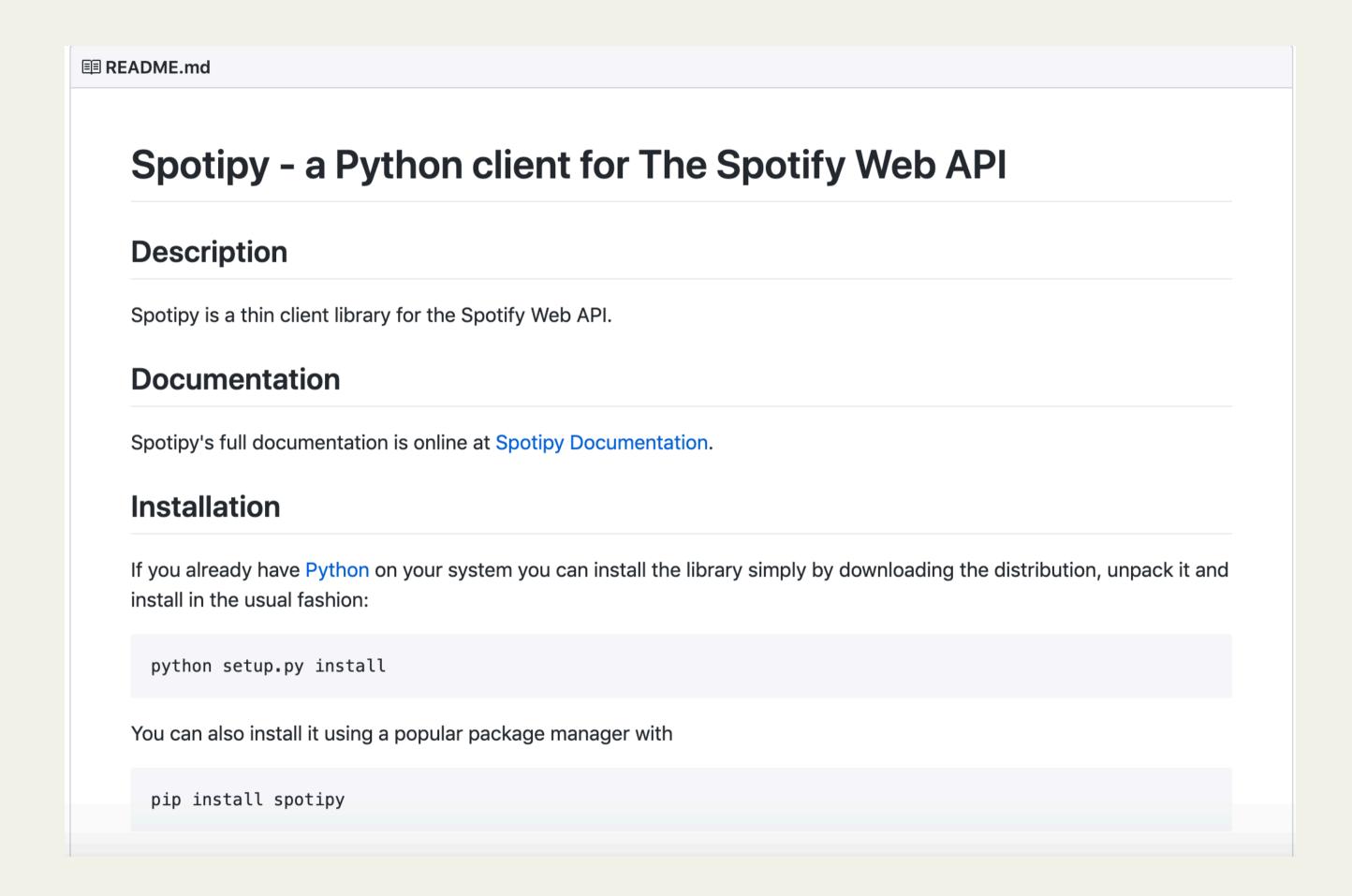
#### Ok dude hear me out

For the visual part I want to make a mosaic of the user's face made up of personal playlists/recently listened to albums.

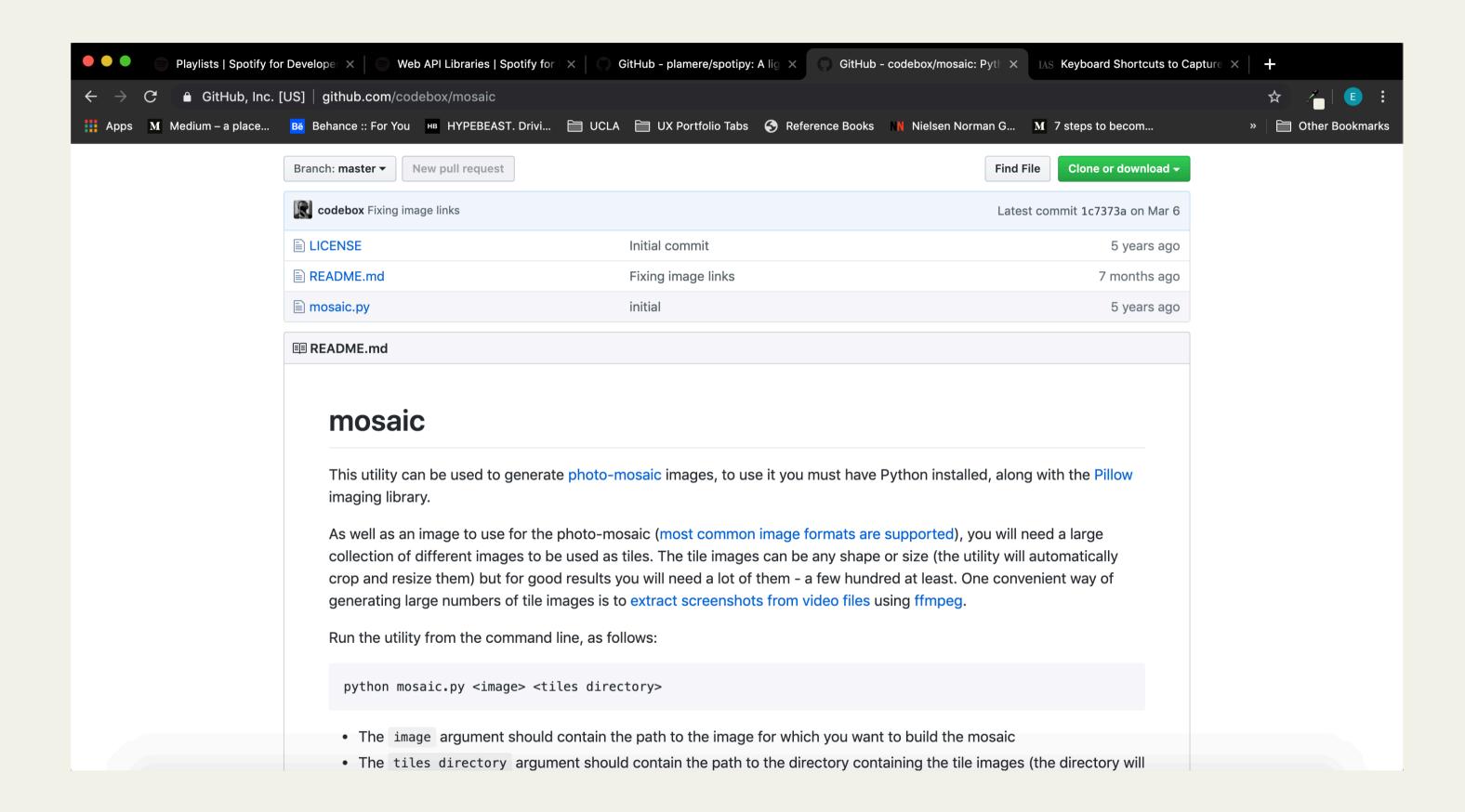
There is something philosophical pleasing about different albums that may clash when they are compared one to one coming together to make up someone's portrait, on a physical level and personality level

And we can be creative about it

### We have a python library to handle the Spotify Web API

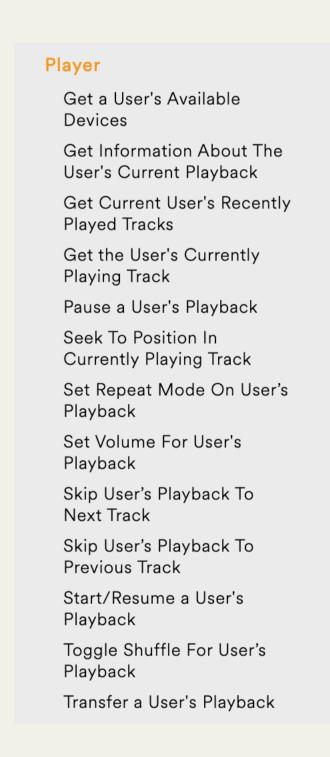


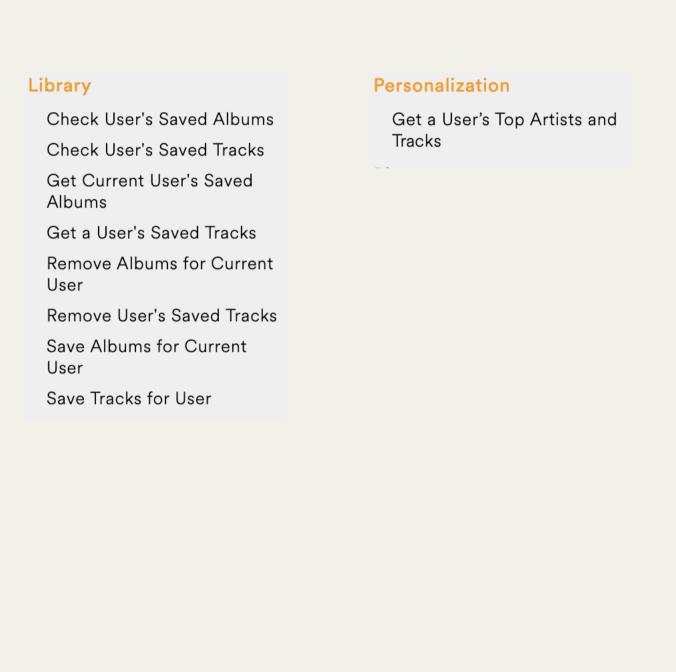
## Staying with python, we also have a python library that can make mosaics



### What do I mean when I say we can be creative about it?

## The Spotify API documentation has all these different parts of a user's profile we can access:





The app can offer different options for what the mosaic will be based on

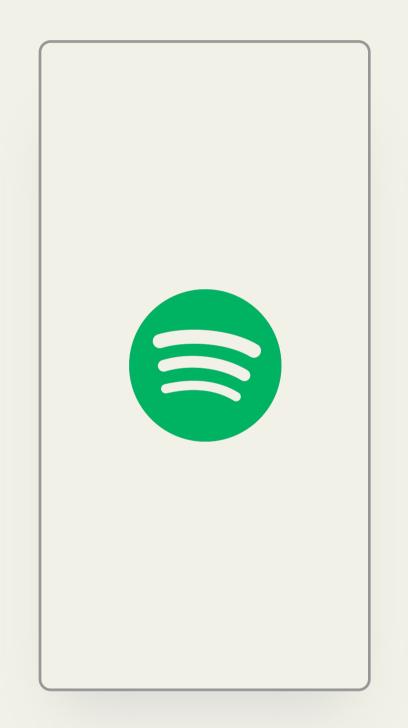
#### The Mosaic

This is something we should talk about:

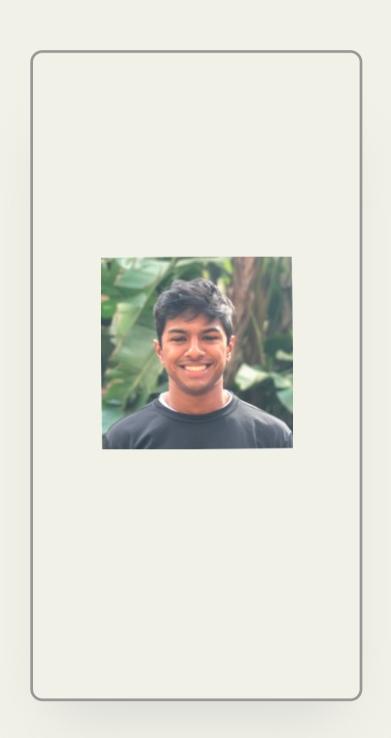
Is the mosaic static or interactive?
Can the user click on the albums in the mosaic?
Is it too hard from a programming perspective?

 $\mathsf{TBD}$ 

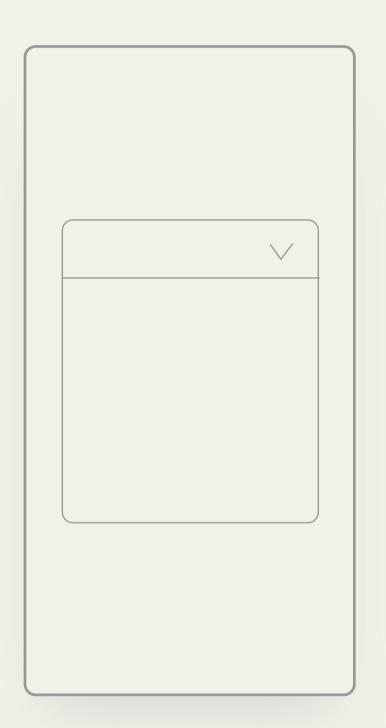
# User Flow (for mosaic)



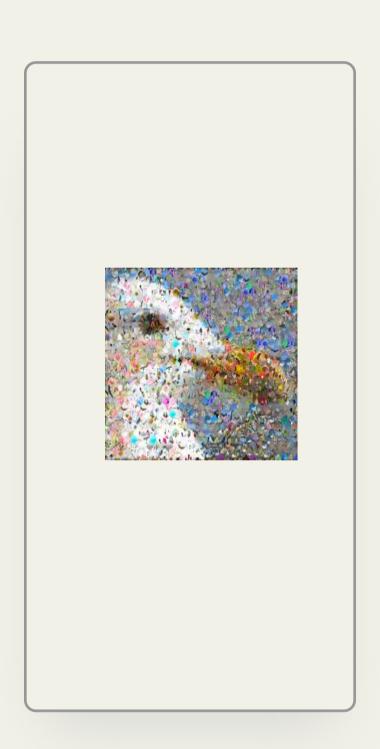
Link Spotify Account



Upload a personal photo



Select what your mosaic will focus on



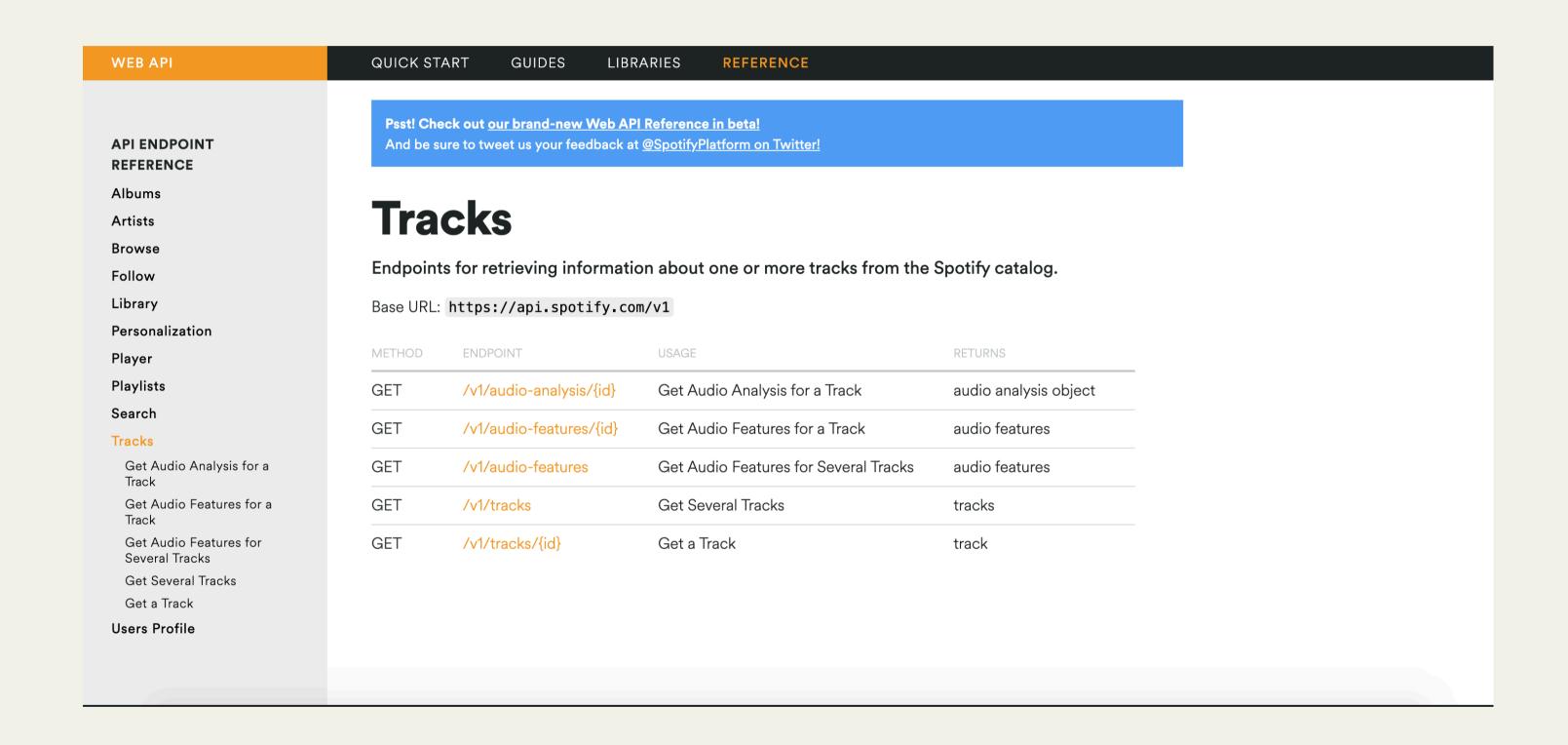
**Mosaic Complete** 

### Part II

### Don't worry Ram

## I didn't forget about your goal: Data Visualization

## So I was combing through the Spotify API recently and I came across something interesting:



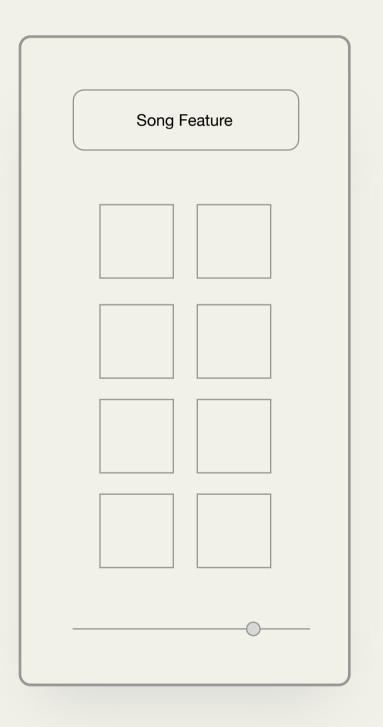
Audio Analysis!!

I don't know about you but I think it would be really cool to be analyze your playlists/ recently listened to songs based on qualities such as beats, tempo, key, acousticness, energy, etc.

All of which are possible through the Spotify API!

# I don't have a specific data visualization in mind for this yet

### This is a rough idea:



Pick a Song Feature from a dropdown menu

Rectangles are albums

Slider would change display of albums based on changing variable

We could make this social too, where you could compare your songs/playlists with your friends based on these different song characteristics

#### Ram

I hope this was effective in not only showing you my ideas but also my passion/interest in actually working with you. Please don't hesitate if you have any questions or comments.

Thank you for your time

Eric