

SI 206 Final Project Plan

Presentation 12th 3:20PM

Due: 12th 11:59PM

a. What is your group's name?

Harmony Hunters

b. Who are the people in the group (first name, last name, umich email)?

Zehuan Yu, zehuanyu@umich.edu

Rommy Toufaily, rommyt@umich.edu

c. What APIs/websites will you be gathering data from? The base URLs for the APIs/websites must be different for them to count as different APIs.

SPOTIFY(Rommy) - <https://developer.spotify.com/documentation/web-api> or
<https://spotipy.readthedocs.io/en/2.22.1/>

Billboard (Zehuan) - <https://www.billboard.com/charts/year-end/2020/hot-100-songs/#>

d. What data will you collect from each API/website and store in a database? Be specific.

We will be taking the most popular songs of a specific year and storing the name, artist, and ranking in a database

e. What data will you be calculating from the data in the database? Be specific.

We will be calculating how many times the artist appears in both years

f. What visualization package will you be using (Matplotlib, Plotly, Seaborn, etc)?

We will use Matplotlib.

g. What graphs/charts will you be creating?

We will have charts comparing the different number of artists in each year or even in both

h. Who is responsible for what? Please note that all team members should do an equal amount of programming and total work.

Rommy is working on the spotify api implementation while Zehuan will work on the web scrape implementation.