

Project 2
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Proposal

Theme:

In this project we will be scraping the data off Spotify and Apple top 200 lists to get an updated generalized source.

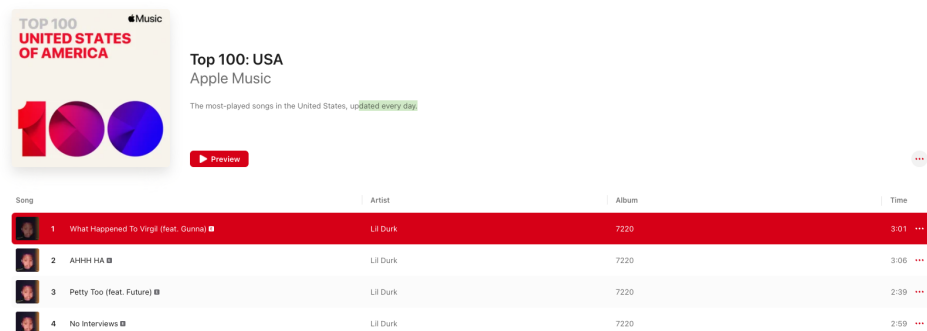
Sources:

<https://charts.spotify.com/charts/view/regional-us-daily/2022-03-10>

<https://music.apple.com/us/playlist/top-100-usa/pl.606afcbb70264d2eb2b51d8dbcfa6a12>

The lists are updated frequently, with Spotify and Apple Music updated daily. We would like to be able to compare the rankings given by the two music providers, as well as measure how many songs artists have on the charts.

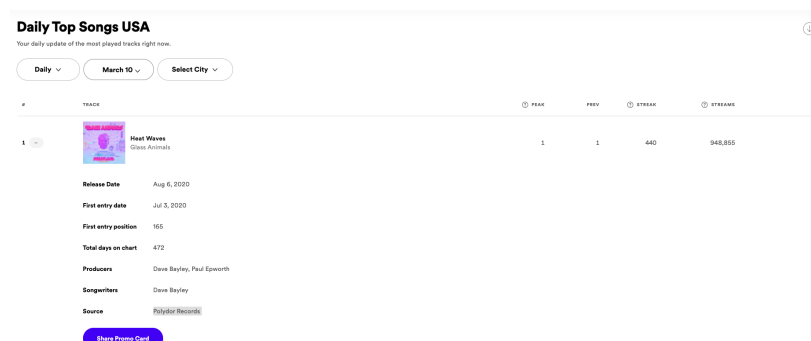
Apple Music:




The screenshot shows the Apple Music 'Top 100: USA' playlist. It features a large '100' graphic and a 'Preview' button. Below the header is a table of the top songs.

Song	Artist	Album	Time
1 What Happened To Virgil (feat. Gunna)	Lil Durk	7220	3:01
2 AHHA HA	Lil Durk	7220	3:06
3 Petty Too (feat. Future)	Lil Durk	7220	2:39
4 No Interviews	Lil Durk	7220	2:59

Spotify:



The screenshot shows the Spotify 'Daily Top Songs USA' page. It includes a header with filters for 'Daily', 'March 10', and 'Select City'. Below the header is a table of the top songs.

#	TRACK	PEAK	PREV	STREAK	STREAMS
1	 Heat Waves Glass Animals	1	1	440	948,855

Below the table, there is a section for the song 'Heat Waves' by Glass Animals, including release date (Aug 6, 2020), first entry date (Jul 3, 2020), first entry position (165), total days on chart (472), producers (Dave Bayley, Paul Epworth), songwriters (Dave Bayley), and source (Polydor Records). A 'Show Playlist Card' button is also present.

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Inspiration:

We all feel passionate about music and decided to dig further in this topic. Below is an ETL project from a previous cohort we feel has given some inspiration to also look into Apple Music.
<https://github.com/saatvi-rajgopal/project2-group2>

Roles and Responsibilities:

Web scraping Spotify chart: Sabrina, Yvonne

Web scraping Apple Music chart: Nicklaus

Creating ERD diagram and documentation: Sabrina

ETL Notebook: All

Create tables and example queries: All

Database Design:

Our preliminary ERD is shown below:

