YouTube Playlist to Spotify Converter

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IST 256

Project Idea:
Originally, we sought out to make a program that could convert Spotify playlists to Apple Music, and vise versa. However, Apple Music makes it extremely difficult to make that happen. Instead, we've created a program that takes YouTube playlists, and converts them to Spotify playlists. Listening to YouTube playlists off of a Wifi connection uses cellular data, but Spotify does not.

Step 1:
Import all necessary packages such as spotipy, pprint, json, requests, and more

Step 2:
The YouTubeData function accesses the API and stores the titles into two lists

Step 3:
The FinalList function cleans up the artists and titles lists and combines them back into one list

Step 4:
The create_spotify_playlist function creates a playlist in Spotify

Step 5:
The get_song_id function grabs the Spotify song IDs based on the list of songs

Step 6:
The add_songs_spotify function adds songs to the playlist based on their IDs

Step 7:
The get_playlist_link function gets a link for the playlist to open up in a web browser

Step 8:
User enters in the url of a playlist and runs through the first two functions to get the data from YouTube

Step 9:
The user enter their Spotify username and receives a token, then creates an empty playlist

Step 10:
The song id, add songs, and get playlist link functions are run to finalize the playlist