

My bot uses the Spotipy library to access the Spotify Web API, utilizing the SpotifyClientCredentials authentication method since no user-specific access is required. To obtain my SPOTIPY\_CLIENT\_ID and SPOTIPY\_CLIENT\_SECRET, I created an app on Spotify for Developers. I created a public playlist with 50 songs, copied from Spotify's "Today's Top Hits" (as their playlist doesn't allow API access), and the bot accesses this playlist via its ID to select a random track. Data is retrieved directly from the Spotify API without being stored locally. Each track contains several fields, including the track name, artist(s), and a URL to the track on Spotify. The bot also uses the datetime library to get today's date.

For the tweet, my code calls the simple\_twit.send\_tweet(client, msg) function, which posts the song details in the format: 🎵 MM/DD/YYYY's Song of the Day: "track name" by artist(s) 🎵 [Spotify URL]. The bot currently runs once each time the program is executed, but if there were no rate limiting restrictions, it's supposed to post a song daily with an infinite loop and wait using time.sleep(86400). Each tweet contains a unique date, so Twitter can differentiate posts if a song is repeated (as I'm not consistently updating the playlist).