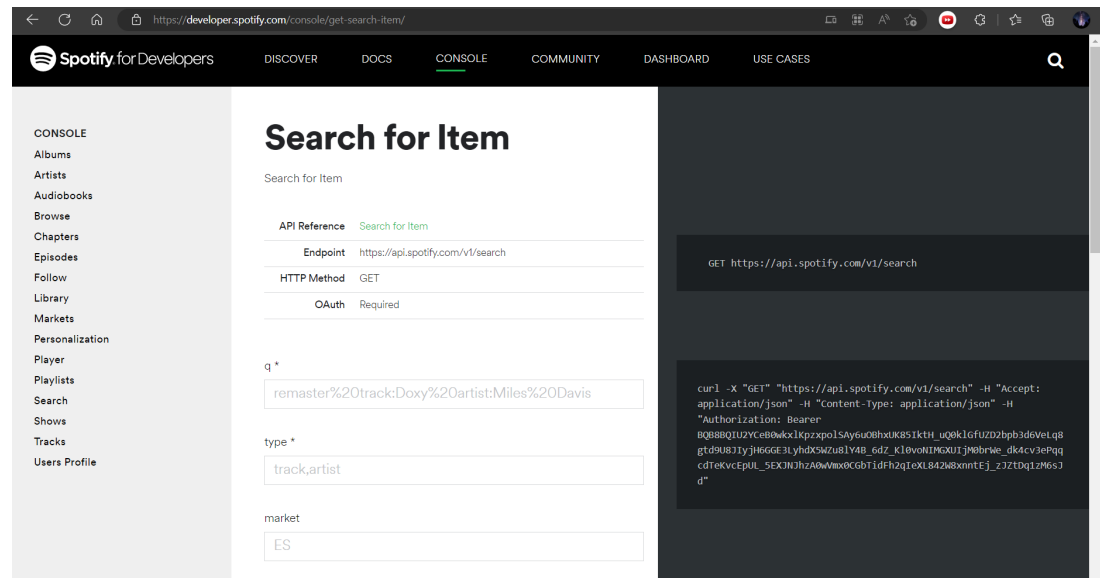0)   **OAuth Token**: BQC89ugP8OhWxKJJbYKLJnk_DH6x-5RF-

gJeMf24rV3Gkc_f4aAZudHF5bDGDKbYkkrDUMPRquBbBxtF7v6ssA1ybPeAjw0_lQXa3O1VZ_

kaW_oktB0smmSO35bvVYWS9I5oonJdjkZ4IYWhbh6PWwEst3VHWAW-

ucqaGnIkzuqjbuO7uy8Vf7oCzjhNA_7iDQ0b

How to sign-up to obtain a new token:

0.1)   Click here https://developer.spotify.com/console/get-search-item/

0.2)   Scroll down until you see "**OAuth Token**", then click on "**GET TOKEN**"

0.3)   The "**Select scopes**" pane is existed, then click on "**REQUEST TOKEN**" to

request a token from the server.

0.4)   Finally, fill on the information including *q, type, market, limit, offset, include_external*. Or click on **"FILL SAMPLE DATA"**, then click **"TRY IT"**, REST API cURI will be shown aside from web page.

1) **Student name**:   Jirat Jalaketu (Palm)

2) **REST API cURL command**:   https://api.spotify.com/v1/search?q=Sam Smith&type=artist

3) **Example output data**:

```
{
    "artists" : {
      "href" :
"https://api.spotify.com/v1/search?query=Sam+Smith&type=artist&locale=en-
US%2Cen%3Bq%3D0.9&offset=0&limit=20",
      "items" : [ {
        "external_urls" : {
          "spotify" : "https://open.spotify.com/artist/2wY79sveU1sp5g7SokKOiI"
        },
        "followers" : {
          "href" : null,
          "total" : 21580325
        },
        "genres" : [ "pop", "uk pop" ],
        "href" : "https://api.spotify.com/v1/artists/2wY79sveU1sp5g7SokKOiI",
        "id" : "2wY79sveU1sp5g7SokKOiI",
        "images" : [ {
          "height" : 640,
          "url" :
"https://i.scdn.co/image/ab6761610000e5eb10ca40ea0b0b5082dba0ff75",
          "width" : 640
        }, {
          "height" : 320,
          "url" :
"https://i.scdn.co/image/ab6761610000517410ca40ea0b0b5082dba0ff75",
          "width" : 320
        }, {
          "height" : 160,
          "url" :
"https://i.scdn.co/image/ab6761610000f17810ca40ea0b0b5082dba0ff75",
          "width" : 160
        } ],
        "name" : "Sam Smith",
        "popularity" : 90,
        "type" : "artist",
        "uri" : "spotify:artist:2wY79sveU1sp5g7SokKOiI"
      }, ...
}
```

4) **Describe what data is**:

With the Spotify Developer Platform, you're able to read calculated audio features of tracks to learn about its danceability, energy, valence, and more. For more advanced use cases, it is possible to read in-depth analysis data about tracks such as the segments, tatums, bars, beats, pitches, and more.

- *Mood*: Danceability, Valence, Energy, Tempo
- *Properties*: Loudness, Speechiness, Instrumentalness
- *Context*: Liveness, Acousticness
- *Segments*, Tatums, Bars, Beats, Pitches, Timbre, and more

API Reference	Search for Item
Endpoint	https://api.spotify.com/v1/search
HTTP Method	GET
OAuth	Required

5) **URL linking to the REST API reference document for the public data repository you have obtained**:

https://developer.spotify.com/documentation/web-api/reference/#/operations/search