

# Ayudantía 3

Javascript y API - Spotipy

# ¿Cómo importar JS a el archivo HTML?

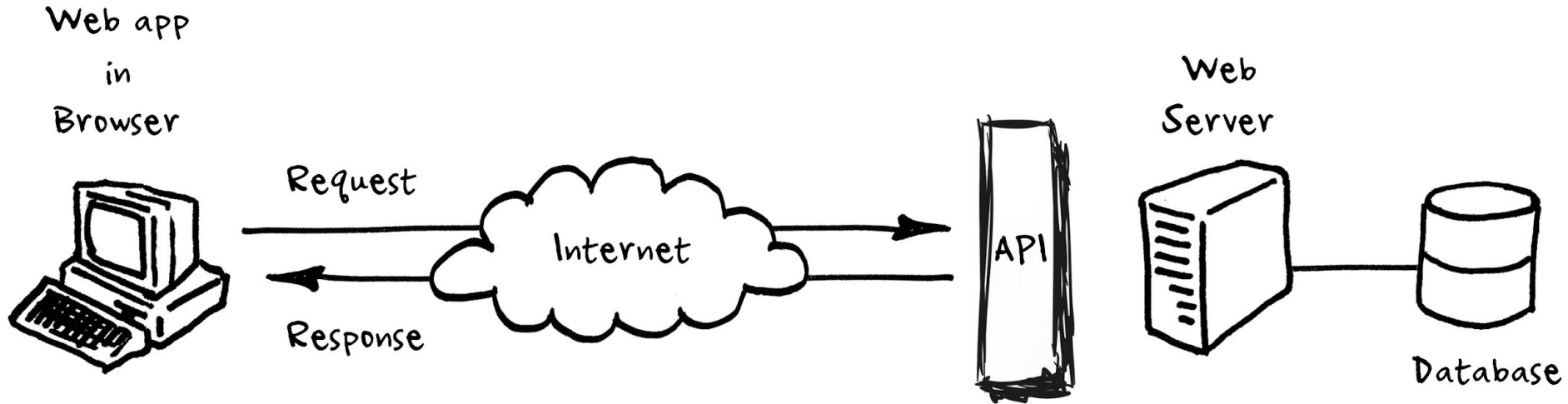
```
<script type="text/javascript" src="NombreScript.js"></script>
```

# Show / Hide

[https://www.w3schools.com/howto/howto\\_js\\_toggle\\_hide\\_show.asp](https://www.w3schools.com/howto/howto_js_toggle_hide_show.asp)

(Mostrar ejemplo)

# API



# Spotipy

¿Por qué lo usamos?

Facilita la Utilización de la API de  
Spotify, con Python.

# Spotipy

Autenticación:

<https://sotiriskakanos.com/2017/08/05/using-spotifys-web-api-with-python/>

Debemos Obtener el `client_id` y el `client_secret`

# Spotipy

<https://developer.spotify.com/dashboard>

# Dashboard

[CREATE A CLIENT ID](#)[LOGOUT](#)

## Spotipy test

CLIENT ID cedd87c53f47482db142249804c8323

Para ayu



## Test1

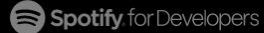
CLIENT ID dab5881e6d814e978fbe480527445731

testt





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DOCS

Q

## Spotify test

NOMBRE1

DESCRIPCION1

☐ I don't know

 Mobile App

☐ Desktop App

☐ Website

 Speakers

☐ Voice - Cortana☐ Voice - Other

TV

☐ Gaming Consoles☐ Wearables

Check all that apply

LOGOUT



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Spotify for Developers

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# Dashboard



## Spotipy test

CLIENT ID c0dd87c53f47482db1422240884c8323

Para ayu

## CREATE AN APP OR HARDWARE INTEGRATION

Step 1/3

App or Hardware Name \*

NOMBRE1

App or Hardware Description \*

DESCRIPCION1

What are you building? \*

☒ I don't know

Until you know what type of commercial application you are building, you cannot submit a commercial integration request. You are free to create a non-commercial application in the meantime.

NEXT

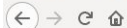
CREATE A CLIENT ID

LOGOUT



## My New App





2019-2

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COMMUNITY

DASHBOARD

USE CASES



# Dashboard

○○○

## Spotipy test

CLIENT ID codd87c53f47482db1422249804c8323

Para ayu

### CREATE A NON-COMMERCIAL APP

Step 3/3

- ☒ I understand that this app is **not** for commercial use
- ☒ I understand that I cannot migrate my app from non-commercial to commercial without permission
- ☒ I understand and agree with Spotify's [Developer Terms of Service](#), [Branding Guidelines](#), and [Privacy Policy](#)

SUBMIT

CANCEL

CREATE A CLIENT ID

LOGOUT

○○○

## My New App

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CLIENT ID dab5881e6d814e978fbc480527445731

testt

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COMMUNITY

**DASHBOARD**

USE CASES



Your application 'ASD' has been successfully created.

[← BACK TO DASHBOARD](#)

# ASD

[EDIT SETTINGS](#)

[LOGOUT](#)

ASD

Client ID 97cec51cec5745668573f526fe579880

[SHOW CLIENT SECRET](#)

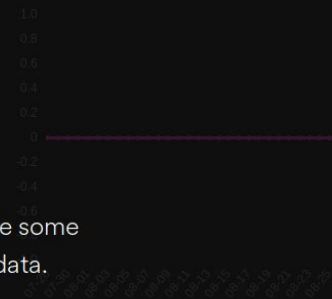
Want to showcase your app on our website?

[SUBMIT YOUR APP](#)

Daily Active Users



Monthly Active Users



Users This Month



# Búsqueda

Ejemplo:

Búsqueda

<https://developer.spotify.com/documentation/web-api/reference/search/search/>

y en Spotipy:

<https://spotipy.readthedocs.io/en/latest/?highlight=search#spotipy.client.Spotify.search>

```
import spotipy
from spotipy.oauth2 import SpotifyClientCredentials
import pprint

pp = pprint.PrettyPrinter(indent=4)

client_credentials_manager = SpotifyClientCredentials(client_id='TU_CLIENT_ID',
client_secret='TU_CLIENT_SECRET')
sp = spotipy.Spotify(client_credentials_manager=client_credentials_manager)

#Realizamos una query
results = sp.search(q="My Way", type="track", limit='1')

#Imprimimos el diccionario más legiblemente. También puede ser un print normal (print(results))
pp.pprint(results)
pp.pprint(results['tracks'])
```

```
pp.pprint(results)
```

```
pp.pprint(results['tracks'])
```

```
#... y así ir buscando hasta encontrar el dato que necesitamos.
```

```
#Todas las otras queries las podemos obtener haciendo
```

```
sp.query(argumentos)
```

# Estadísticas

Ejemplo:

Audio Features:

<https://developer.spotify.com/documentation/web-api/reference/tracks/get-audio-features/>

y en Spotipy:

[https://spotipy.readthedocs.io/en/latest/?highlight=audio%20features#spotipy.client.Spotify.audio\\_features](https://spotipy.readthedocs.io/en/latest/?highlight=audio%20features#spotipy.client.Spotify.audio_features)