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# **HSpotipy Documentation**

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**HSpotipy contributors**

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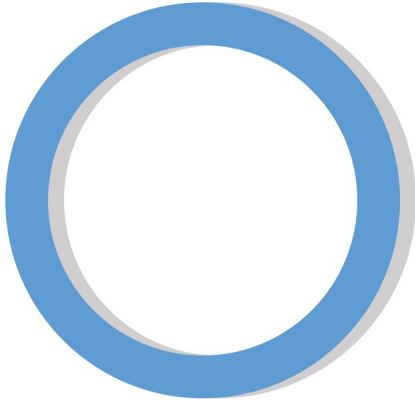
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## Contents

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|          |                         |          |
|----------|-------------------------|----------|
| <b>1</b> | <b>User Guide</b>       | <b>3</b> |
| 1.1      | Installation . . . . .  | 3        |
| 1.2      | Authorization . . . . . | 3        |
| <b>2</b> | <b>API List</b>         | <b>7</b> |
| 2.1      | API - User . . . . .    | 7        |
| <b>3</b> | <b>Index</b>            | <b>9</b> |





HaoSpotipy is a Python library for the Spotify Web API.

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**Note:** Please start or watch this project on [Github](#) . We are writing up the documentation, please wait in patient.

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## Installation

### Step 1 : Spotipy

[Spotipy](#) is a lightweight Python library for the Spotify Web API. With [Spotipy](#) you get full access to all of the music data provided by the Spotify platform.

[HSpotipy](#) is build on top of [Spotipy](#). More information and SDK please check [here](#)

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**Note:** We highly suggest python3

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```
pip install spotipy
```

### Step 2 : Account

Before you start, you have to set up your account, register your application and prepare your environment. Please go to the next section [Authorization](#) and follow [Web API Tutorial](#) .

After that, you can create a local website to test your project.

### Step 3 : Node JS

## Authorization

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**Note:** Before you use [HSpotipy](#), you have to set up your web server by yourself. After that, your users can access your server and log in to their Spotify account.

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All content in this section can be found in [Web API Tutorial - Beginner's Tutorial](#) .

### Step 1 : Create Spotify App

Please follow [Web API Tutorial](#) to set up your account, register your application, get your client ID and Secret Key and set up your local website via JavaScript.

#### Set up Account and Application

- Set up your account : [Spotify Developer Website](#)
- Register your application : [Spotify My Applications](#)

**After registering your application, you can get and set your:**

- Client ID
- Client Secret Key
- Redirect URL , to test locally, set to <http://localhost:8888/callback>

#### Try Web Service Environment

##### Mac OX Install node.js

Follow <http://blog.teamtreehouse.com/install-node-js-npm-mac> or simply enter:

Keep follow [Web API Tutorial](#) and [Spotify Web API Authorization JavaScript Example](#) to set up your web service environment.

##### Run OAuth example locally

Download [OAuth examples](#), the code of the OAuth examples depends on the packages express,request and querystring. Download and install the dependencies running the following command.

To run the web example, open `authorization_code/app.js`, set the Client ID, Client ID and Redirect URL as <http://localhost:8888/callback>. .. code-block:: bash

```
cd authorization_code node app.js
```

Open <http://localhost:8888> , the users can log in or sign up their account, just like how users do in Spotify website.

**User can now get the oAuth info**

- Access token
- Refresh token

### Step 2: Python

Open [Spotipy Authorized requests](#) .

- The `Authorization Code flow` This method is suitable for long-running applications which the user logs into once. It provides an access token that can be refreshed.
- The `Client Credentials flow` The method makes it possible to authenticate your requests to the Spotify Web API and to obtain a higher rate limit than you would



Previous example just show how to use OAuth on web browser



If you are looking for a specific function please check as below.

### API - User

#### Developer, User and Spotify

- developer : xxx
- xx : xx

```
import spotipy
```

**A**

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**B**

x

**C**



## CHAPTER 3

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### Index

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- genindex
- modindex
- search