

Connecting to Rest API of atomic hub

Contents

1. Installing the request module using pip.....	3
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1. Installing the request module using pip

Controlling the API

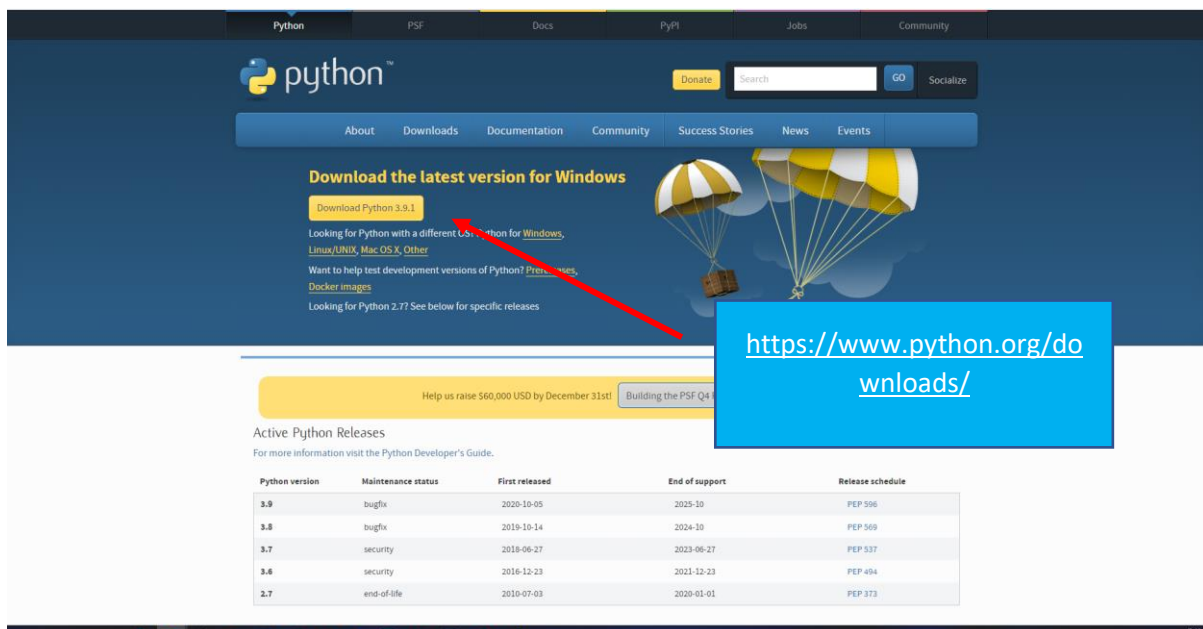
```
Command Prompt
Microsoft Windows [Version 10.0.19041.685]
(c) 2020 Microsoft Corporation. All rights reserved.

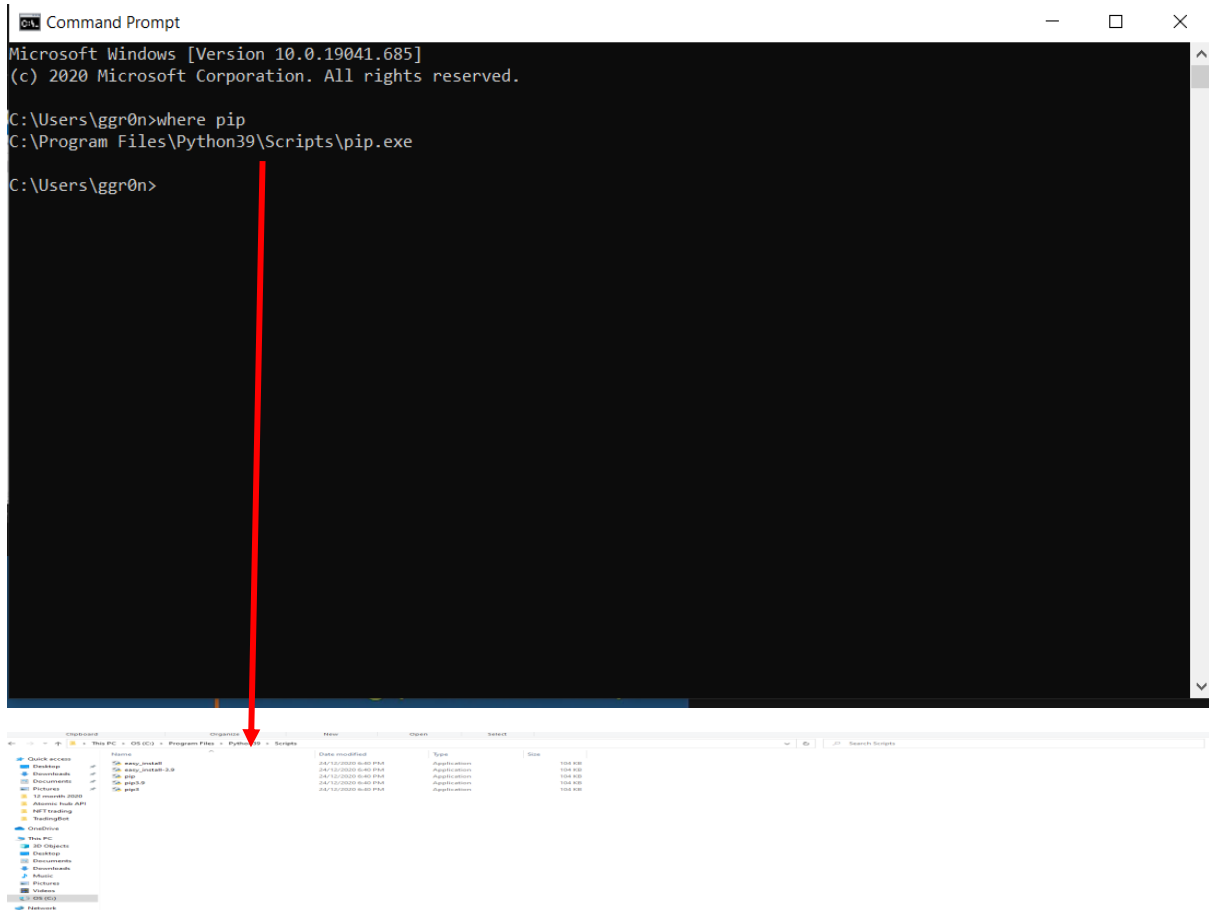
C:\Users\ggr0n>where pip
C:\Program Files\Python39\Scripts\pip.exe

C:\Users\ggr0n>
```

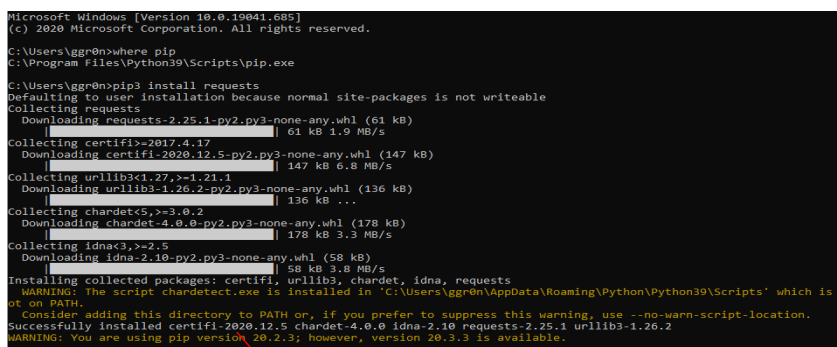
What is PIP and PyPI?

You can locate where pip using the command `where pip` after you download the python file and install it at <https://www.python.org/downloads/>





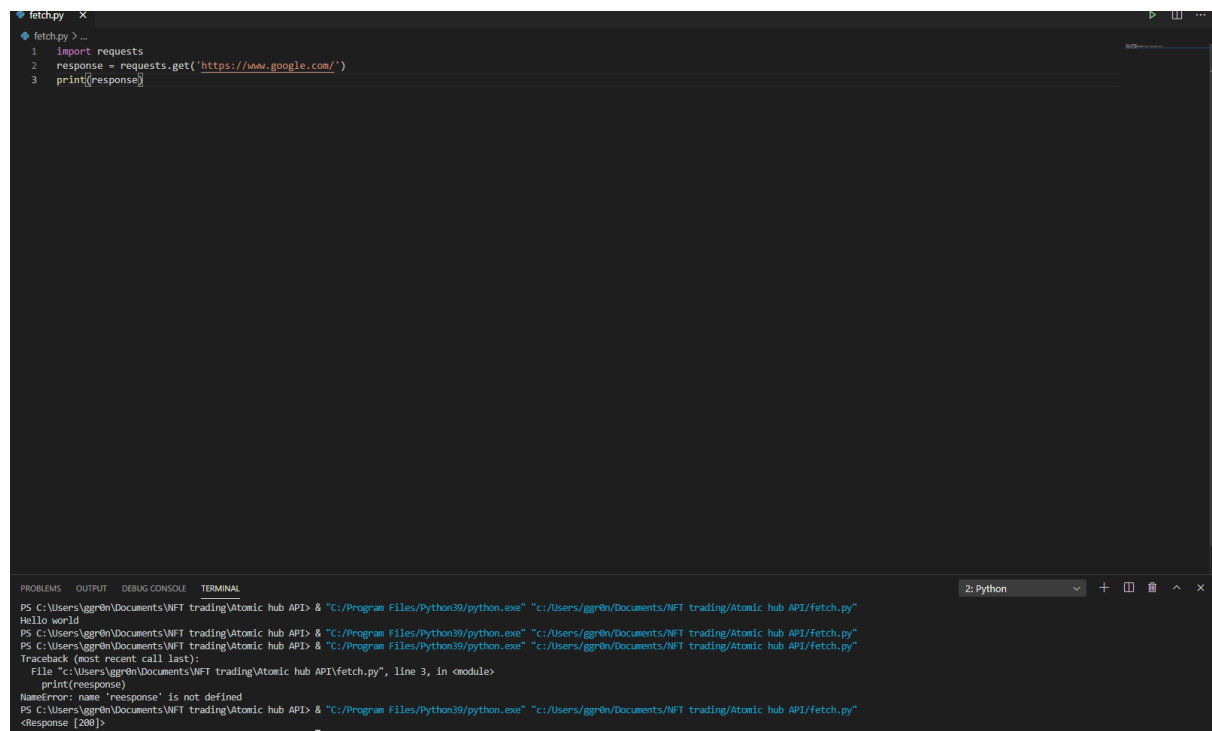
Before starting any coding we need to install the [request](#) module or library cause the request library help us to get data from the rest API or https. In order to do this we need to use pip tools.



If the yellow warning pop up don't mind it as the requests module is download somewhere else as long as you get the successfully installed. To test the downloaded library use command prompt python and try import requests

```
C:\Users\ggr0n>python
Python 3.9.1 (tags/v3.9.1:1e5d33e, Dec 7 2020, 17:08:21) [MSC v.1927 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import requests
>>>
```

If no error prompt up means the requests library is successfully installed and usable.



The screenshot shows a Visual Studio Code editor with a file named 'fetch.py' open. The code in the editor is:

```
1 import requests
2 response = requests.get('https://www.google.com/')
3 print(response)
```

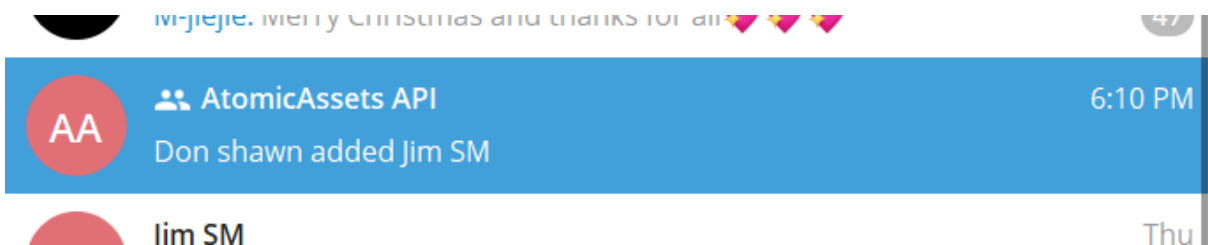
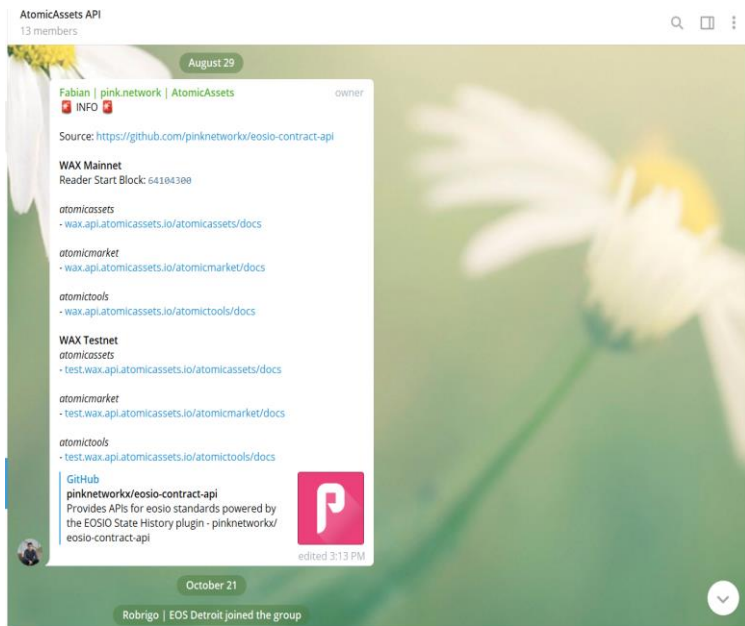
Below the editor, the 'TERMINAL' panel shows the output of running the script. It displays the command prompt path, the execution of the script, and the output 'Hello world'. It also shows a traceback for a 'NameError' that occurred when running the script again, indicating that the variable 'response' is not defined in the current scope.

Simple testing in Visual studio code using the request prompt and get request from google

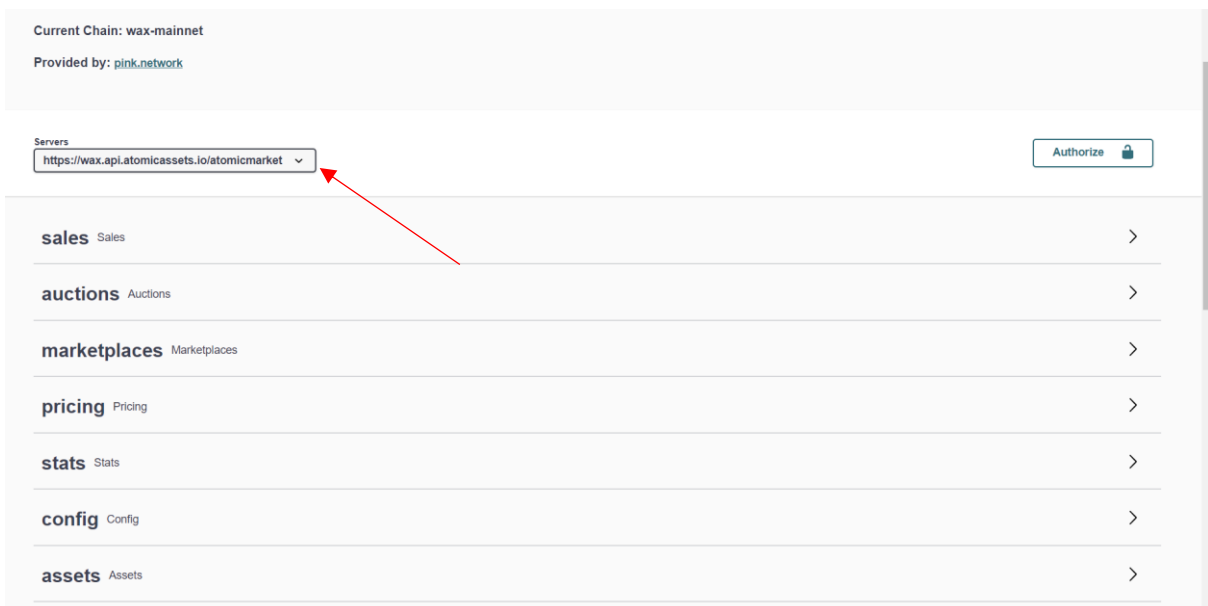
2. Getting response from the API

<https://wax.api.atomicassets.io/atomicmarket/docs/swagger/#/>

or join telegram first go to the API website and copy and paste the link



Manually type in the url or get the link



3. To get the listing price of a particular item

The screenshot shows a marketplace listing for an NFT named 'Wade'. On the left is a large circular image of the NFT, which depicts a character with blonde hair and a purple dress, surrounded by a yellow and black border. Below this image are two smaller versions of the same image. To the right of the image, the asset details are listed: Asset Name 'Wade', ID '#1099511798766', Owner 'pjfau.wam', Mint number '1 of 98 (max: ∞)', and Backed Tokens 'None'. Further right, the collection details are shown: Collection Name 'kogsofficial', Schema Name '1st edition', Template ID '#10234', and Properties 'Transferable' and 'Not Burnable'. At the bottom right, the seller is listed as 'pjfau.wam' with Offer ID '#104769'. The price is displayed as '2000.00 WAX (\$70.80)' with a 'Buy' button below it.

< Market

Sale: #103281 (Wade)

Asset Name
Wade

ID
#1099511798766

Owner
pjfau.wam

Mint number
1 of 98 (max: ∞)

Backed Tokens
None

Collection Name
kogsofficial

Schema Name
1st edition

Template ID
#10234

Properties
Transferable
Not Burnable

Seller: **pjfau.wam**
Offer ID: **#104769**

Price: 2000.00 WAX (\$70.80)

Buy

Taking an example of a Wade card in Kogs first edition

The screenshot shows a marketplace interface with a search bar containing 'wade'. Below the search bar, there are two tabs: 'Sales' and 'Auctions'. The 'Sales' tab is selected. A dropdown menu shows 'Price (Lowest)'. Below this, there is a grid of eight 'Wade' NFT listings. Each listing shows the NFT image, the name 'Wade', the price in WAX and USD, and a 'Buy' button. A blue box labeled 'Lowest price' points to the 'Price (Lowest)' dropdown. Another blue box labeled 'Ascending prices' points to the 'Buy' buttons of the listings, indicating that the prices are sorted in ascending order.

Sales Auctions

wade

Price (Lowest)

Lowest price

Ascending prices

ID	Price (WAX)	Price (\$)
#92	49.00	\$1.73
#58	65.00	\$2.30
#79	69.00	\$2.44
#57	83.00	\$2.94
#56		
#3		
#27		
#97		

Go into the parameters and type in the description

Name	Description
state string (query)	Filter by sale state (0: WAITING - Sale created but offer was not send yet, 1: LISTED - Assets for sale, 2: CANCELED - Sale was canceled, 3: SOLD - Sale was bought; 4: INVALID - Sale is still listed but offer is currently invalid (can become valid again if the user owns all assets again)) - separate multiple with ","
	state - Filter by sale state (0: WAITING - Sale

State:


State	Description
0	Sales created but offer was not send yet
1	listed
2	canceled
3	Sold

Filled in 1 cause what we want is to get the assets that is already listed in the marketplace

3.1 Copy the name of the of the collection name

Market

Sale: #103281 (Wade)



Asset Name

Wade

ID

#1099511798766

Owner

pjfau.wam

Mint number

1 of 98 (max: ∞)

Backed Tokens

None

Collection Name

kogsofficial

Schema Name

1stedition

Template ID

#10234

Properties

Transferable

Not Burnable

Seller: pjfau.wam

Offer ID: #104769

Buy

Price: 2000.00 WAX (\$70.80)

collection_name
string
(query)

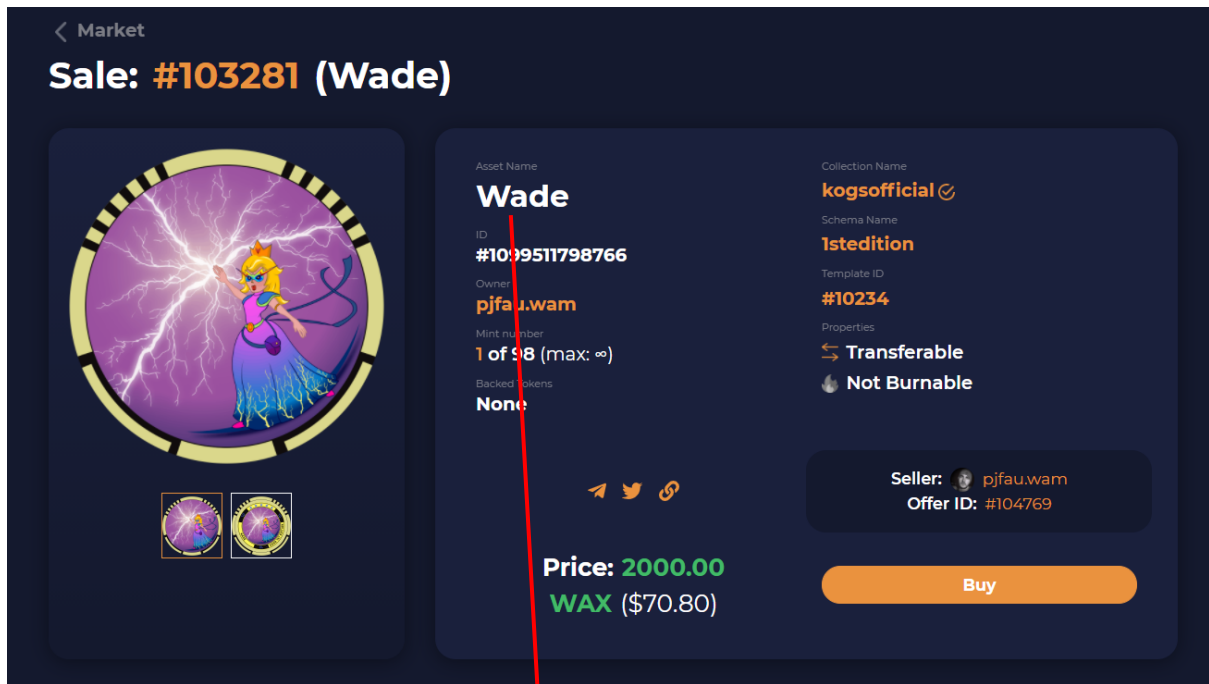
Filter by collection name

kogsofficial

schema_name
string
(query)

Filter by schema name

1stedition



match
string
(query)

Search for input in asset name

order
string
(query)

Order direction

asc

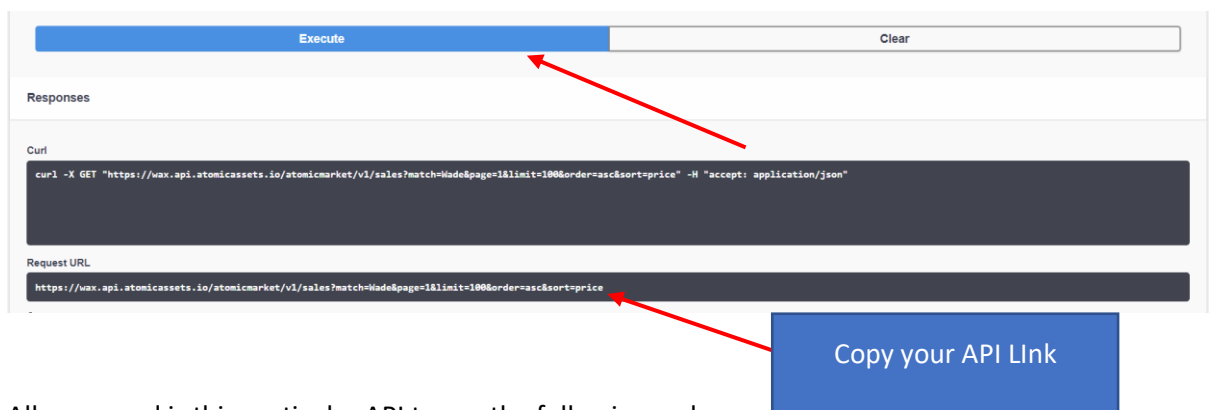
sort
string
(query)

Column to sort

price

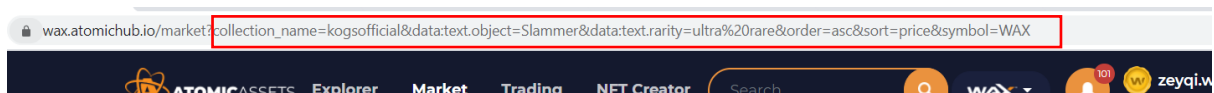
Then we can sort by price using the ascending sort price section and other selection also

After all the section is done we can execute the code to get the url in full



All we need is this particular API to run the following code

2.Method 2 witch is to copy the link at the top of browser



Start copy from the collection name section and then

Default	Copied
<code>https://wax.api.atomicassets.io/atomicmarket/v1/sales?state=1&</code>	<input type="text"/>
Combined them 2 together and paste the link	