

Debank History Scraper

I need a scraper to extract data from debank.com.

Please produce a function:

```
def scrape_debank(address, chain)
```

Which can be used in the url:

[f'https://debank.com/profile/{address}/history?chain={chain}'](https://debank.com/profile/{address}/history?chain={chain})

e.g., `scrape_debank('0x0c1a3e4e1c3da4c89582dfa1afa87a1853d7f78f', 'metis')`
yields:

<https://debank.com/profile/0x0c1a3e4e1c3da4c89582dfa1afa87a1853d7f78f/history?chain=metis>

The screenshot displays the Debank profile for 'Digits_DAO' (0x0c1a3e4e1c3da4c89582dfa1afa87a1853d7f78f). The profile shows a balance of \$2,077,091 with a +3.99% change. The 'History' tab is selected, showing a list of transactions. The transactions are as follows:

Time	Address	Transaction	Amount	Value	Gas Fee
2023/03/09 18:46:06	0x966a...5ca0	swapAndRedeemAndSwap 0x6571...da81	-2,168.2607 m.USDC	(\$2,167.18)	0.0028Metis(\$0.07)
2023/03/09 18:46:06	0xc778...b319	swapExactTokensForTokens Hermes Protocol	-64,897.4609 HUM	(\$3,365.59)	0.0036Metis(\$0.09)
2023/03/09 18:44:36	0x6911...8e69	claim Hummus Exchange	+47,700.0145 HUM	(\$2,473.73)	0.0008Metis(\$0.02)
2023/01/22 23:44:06	0xfdfa...e92e	claim Hummus Exchange	+17,197.4465 HUM	(\$891.86)	0.0009Metis(\$0.02)
2023/01/22 11:39:06	0xeeb4...0ac5	swapAndRedeemAndRemove 0x6571...da81	-25,850.2798 m.USDC	(\$25,837.35)	0.0030Metis(\$0.07)

We then want to scrape each row and return all data as a list of dicts. There will be thousands of rows per call. There is a "Load More" button after each page. We want to load data until we hit the date of Dec 31, 2021 or there is no more data. (We don't need data before Dec 31, 2021).


1

2023/03/09 18:46:06

2

0xc778...b319

3




swapExactTokensForTokens

Hermes Protocol

4

5



-64,897.4609 HUM (\$3,365.59)

+2,168.2607 m.USDC (\$2,166.96)

6

Gas Fee

0.0036Metis(\$0.09)

Please return a list of dicts that include the following data:

```
[{
  "datetime": "2023-03-09 18:46:06", #1
  "tx_link":
https://andromeda-explorer.metis.io/tx/0xc7789013c23aebdef39463d191d362fdf099490785ed81ec189899282825b319, #2
  "function": "swapExactTokensForTokens", #3
  "protocol": "Hermes Protocol", #4
  "address": "/profile/0x2d4f788fdb262a25161aa6d6e8e1f18458da8441", #4
  "token1": { #5
    "amount": -64897.4609,
    "amount_usd": 3365.59,
    "symbol": "HUM",
    "address": "0x4aac94985cd83be30164dfe7e9af7c054d7d2121"
  },
  "token2": { #5
    "amount": 2168.2607,
    "amount_usd": 2166.96,
    "symbol": "m.USDC",
    "address": "0xea32a96608495e54156ae48931a7c20f0dcc1a21"
  },
  "gas": { #6
    "token": "Metis",
    "amount": 0.0036,
    "amount_usd": 0.09
  }
}]
```

If values are missing for any of these elements, just set them to None. e.g., below there is only one item for #5, so include that as "token1" and make "token2": None.

2023/03/09 18:44:36

0x6911...8e69



claim

Hummus Exchange



+47,700.0145 HUM (\$2,473.73)

Gas Fee

0.0008Metis(\$0.02)

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