Web data extraction Requirement document

Suggested Code Policy:

1. Copy the Project folder structure from bellow github link.

<https://github.com/hackathonScrapping/BANK.git>

1. Use Python(Mandatory) with BeautifulSoup, Scrapy and Selenium (Feel free to use any other Python libraries)
2. Store Scrapped data with provided file name and CSV format.

Work 1:

**Scarped Data Format (File Name - Nerdwallet\_Data\_Deposit\_<MM\_DD\_YYYY>.csv)**

|  |  |
| --- | --- |
| **Column** | **Value** |
| Date | Today <YYYY-MM-DD> |
| Bank\_Native\_Country | US |
| State | New York |
| Bank\_Name | Scrape data |
| Bank\_Local\_Currency | USD |
| Bank\_Type | Bank |
| Bank\_Product | Deposits |
| Bank\_Product\_Type | Scrape data |
| Bank\_Product\_Code |  |
| Bank\_Product\_Name | Scrape data |
| Balance | Scrape data |
| Bank\_Offer\_Feature | Scrape data |
| Term\_in\_Months | Scrape data |
| Interest\_Type | Fixed |
| Interest | Scrape data |
| APY | Scrape data |
| Source | Scrape data (web\_url): www.nerdwallet.com |

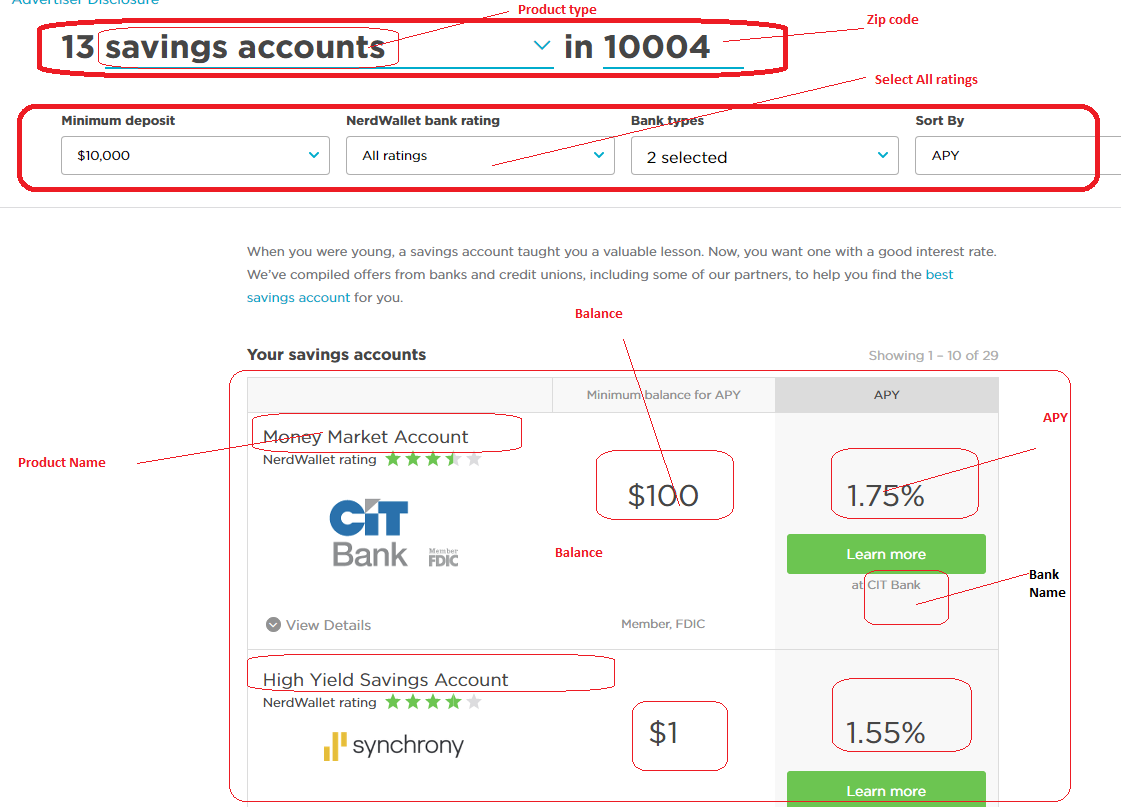
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  |  |  |  |  |  | | | |  |
|  |  | |  |  |  |  |  |  | | | |  |
|  | |  | | | | | | | | | |  |
|  |  | |  |  |  | | | |  |  |  |  |

**Steps**

1. Click on below bank aggregator site

URL: <https://www.nerdwallet.com/rates/savings-account?trk=nw_gn1_4.0>

1. Click on NerdWallet bank rating and select All ratings
2. Scrape deposit account related data as per details provided below

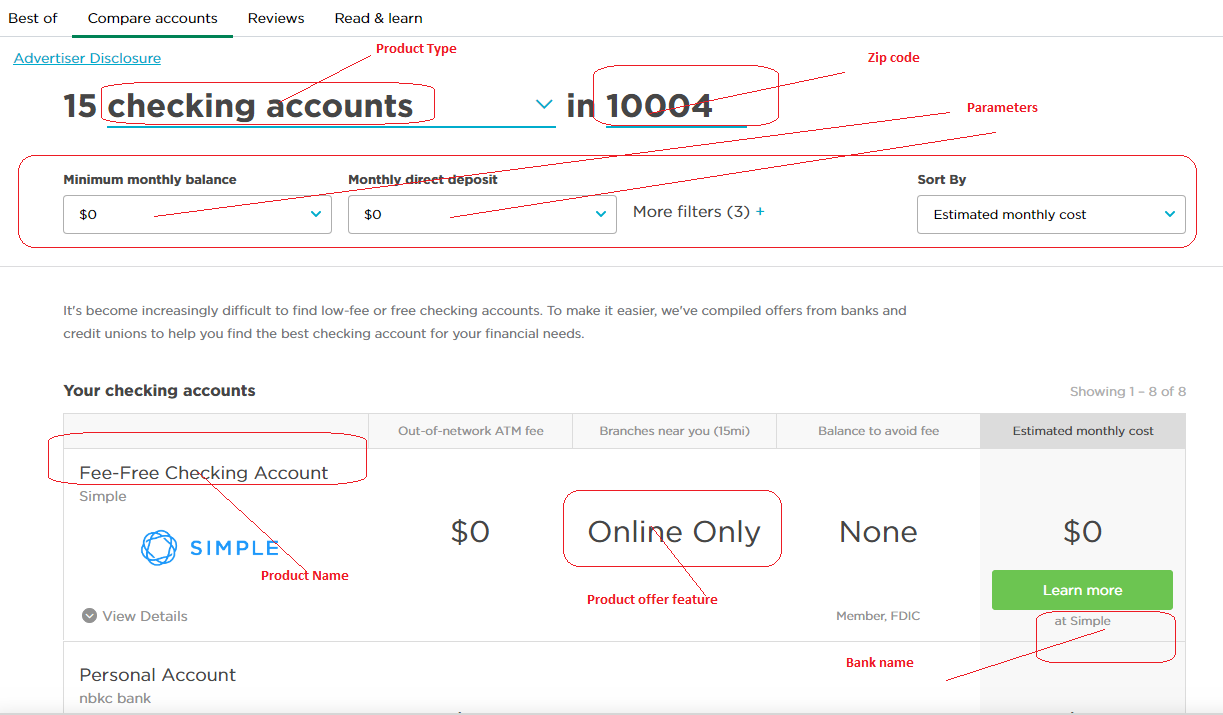


|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | |  | |  | |  | |  | |  |  |  |  |  |
|  |  | | |  | |  | |  | |  | |  | | | | | |

**Scrape all 13 records**

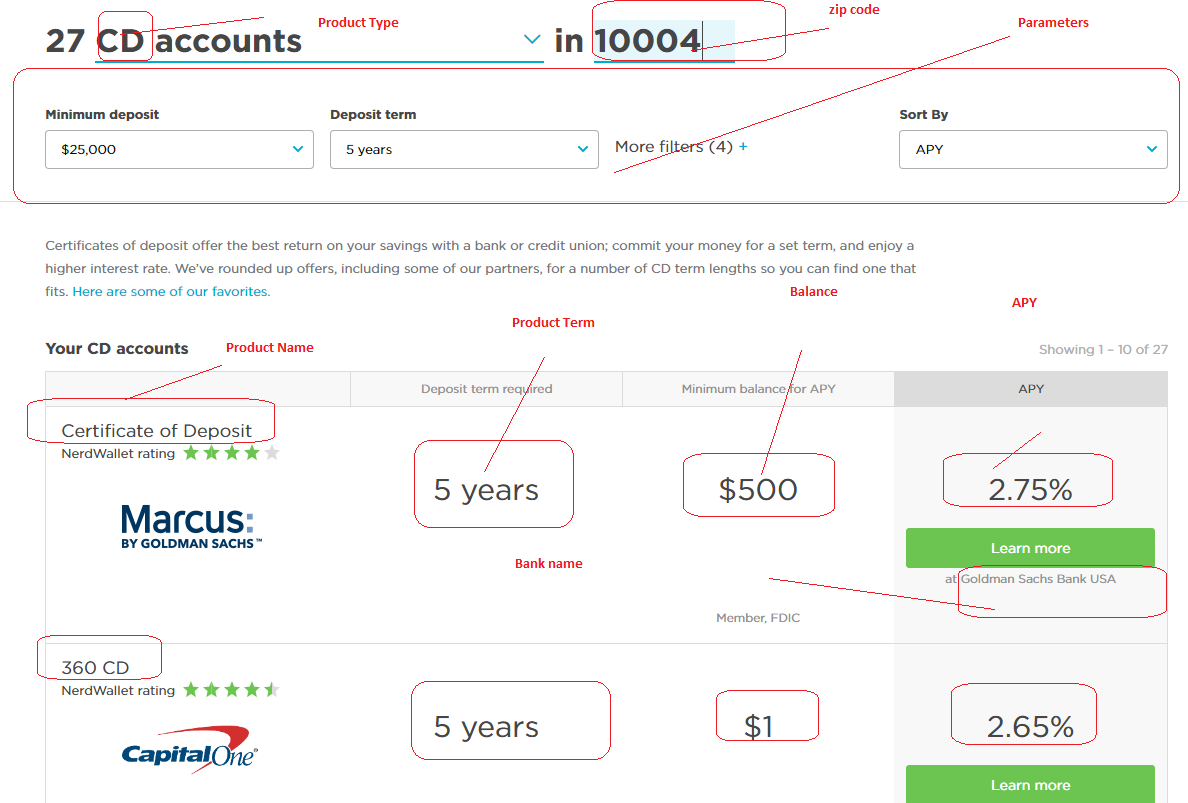
**Checking Account**

**URL:** [**https://www.nerdwallet.com/checking-accounts?trk=nw\_gn1\_4.0**](https://www.nerdwallet.com/checking-accounts?trk=nw_gn1_4.0)

****

**Scrape all 15 records**

**CD**

****

Work 2: Mortgage Rates