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 - mybanktracker\_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 (Default Offline unless mentioned) |
| Term\_in\_Months | Scrape data (applicable only for CD) |
| Interest\_Type | Fixed |
| Interest | Scrape data (if available) |
| APY | Scrape data |
| Source | Scrape data (web\_url): www.mybanktracker.com |

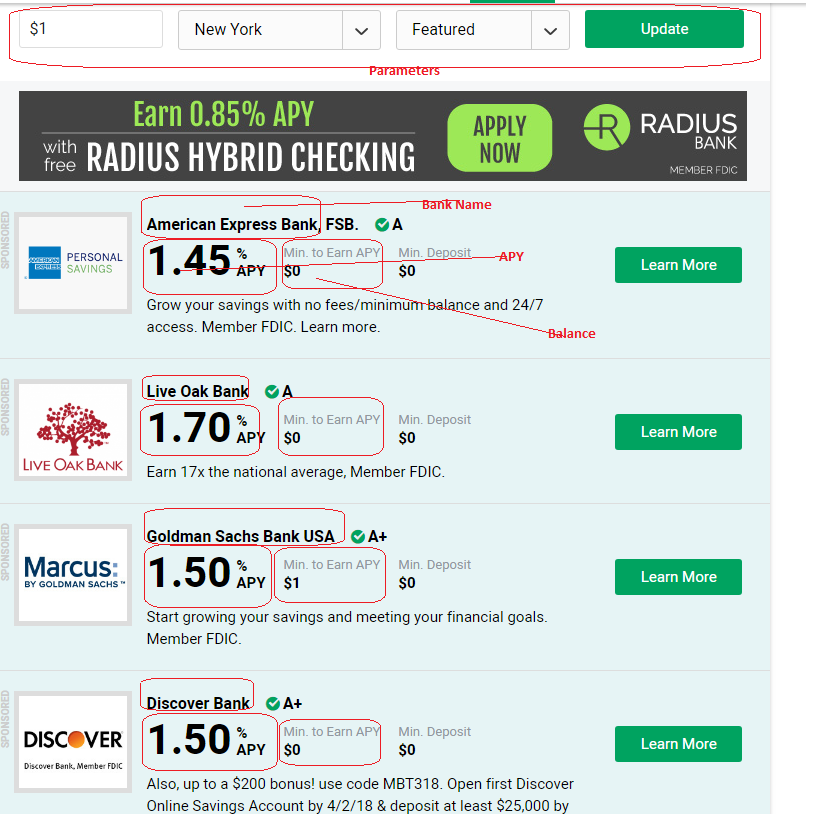
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**Steps**

1. Click on below bank aggregator site

URL: <https://www.mybanktracker.com/compare-savings-rates>

1. Update parameters
2. Scrape deposit account related data as per details provided below

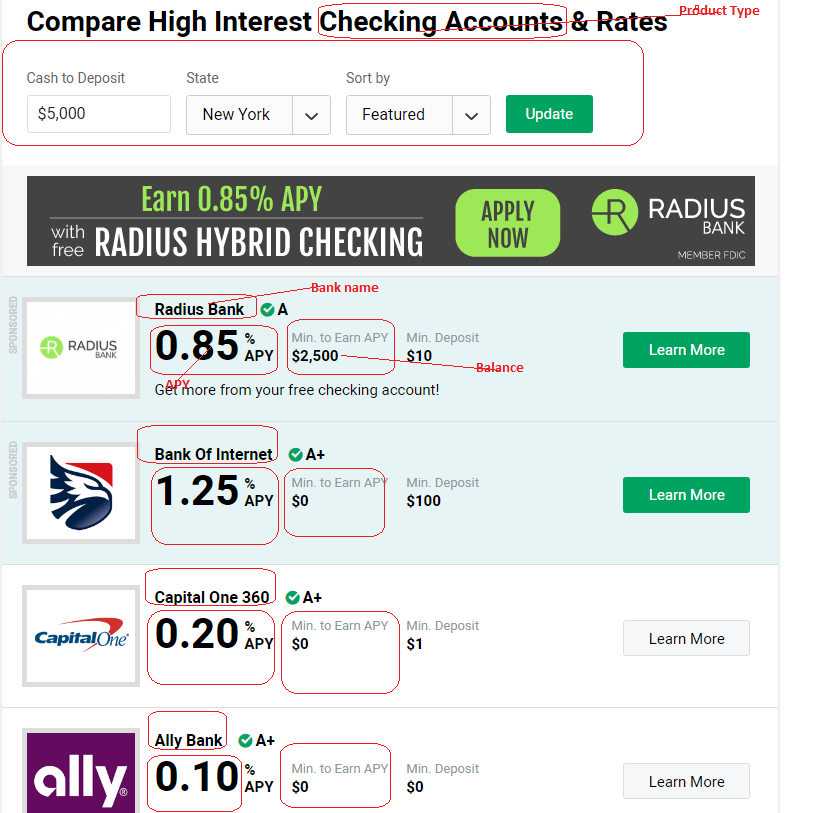


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**Scrape all records**

**Checking Account**

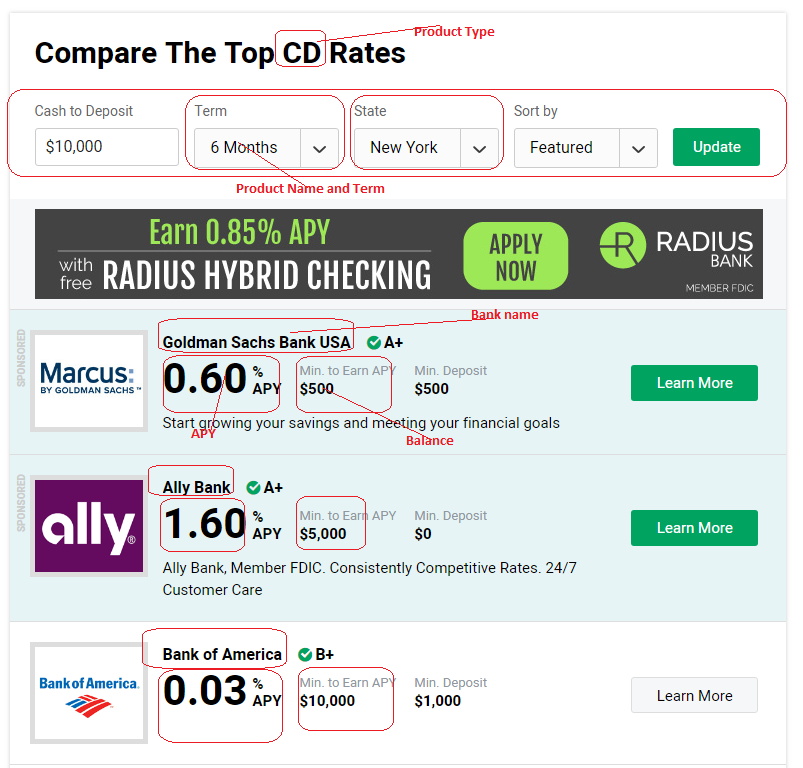
**URL:** <https://www.mybanktracker.com/interest-checking-accounts>

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**Scrape all records**

**CD**

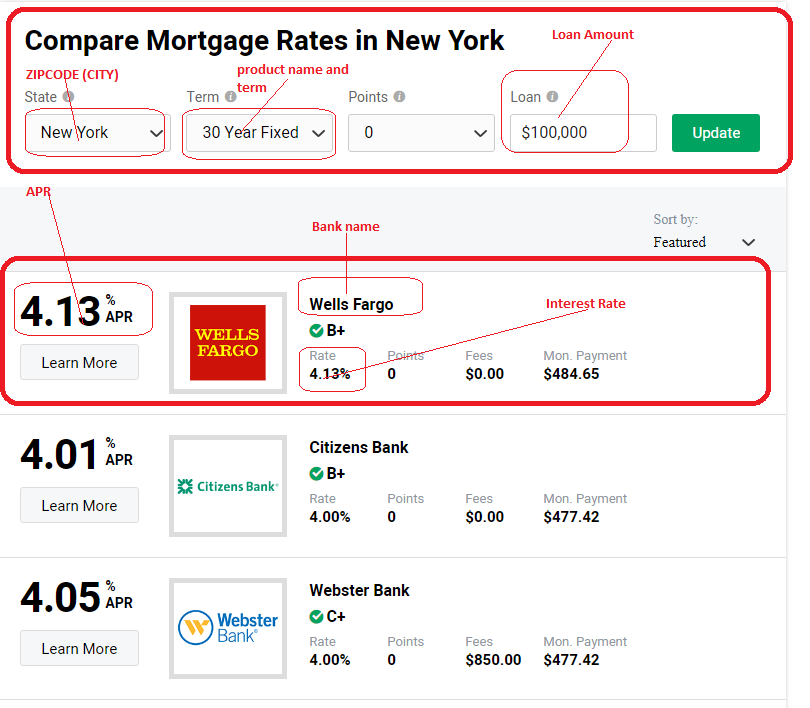
**Select 6, 12 and 36 months from the dropdown and scrape data**

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Work 2: Mortgage Rates

|  |  |
| --- | --- |
| **Column** | **Value** |
| Date | Today <YYYY-MM-DD> |
| Bank\_Native\_Country | US |
| State | New York |
| Bank\_Name | Scrape data |
| Ticker | Ticker file |
| Bank\_Local\_Currency | USD |
| Bank\_Type | Bank |
| Bank\_Product | Mortgages |
| Bank\_Product\_Type | Mortgages |
| Bank\_Product\_Code |  |
| Bank\_Product\_Name | Scrape data |
| Min\_Loan\_Amount | Scrape data |
| Bank\_Offer\_Feature | Scrape data, default Offline |
| Term\_in\_Year | Scrape data |
| Interest\_Type | Scrape data |
| Interest | Scrape data |
| APR | Scrape data |
| Mortgage\_Loan\_Amt | Scrape data |
| Mortgage\_Down\_Payment | Scrape data |
| Credit\_Score | 720+ |
| Mortgage\_Category | New Purchase |
| Mortgage\_Reason | Primary Residence |
| Mortgage\_Pymt\_Mode | Principal + Interest |
| Source | [www.mybanktracker.com](http://www.mybanktracker.com/) |

**URL:** [**https://www.mybanktracker.com/mortgage-rates**](https://www.mybanktracker.com/mortgage-rates)

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**Run for all terms and below scenario**

**Case 1: 100,000**

**Case 2: 300,000**

**Case 3: 500,000**

**OR run through individual bank details**

[**https://www.mybanktracker.com/Chase/Profile**](https://www.mybanktracker.com/Chase/Profile)

[**https://www.mybanktracker.com/Capital-One/Profile**](https://www.mybanktracker.com/Capital-One/Profile)

[**https://www.mybanktracker.com/Capital-One-360/Profile**](https://www.mybanktracker.com/Capital-One-360/Profile)

[**https://www.mybanktracker.com/Citibank/Profile**](https://www.mybanktracker.com/Citibank/Profile)

[**https://www.mybanktracker.com/Ally-Bank/Profile**](https://www.mybanktracker.com/Ally-Bank/Profile)

[**https://www.mybanktracker.com/Synchrony-Bank/Profile**](https://www.mybanktracker.com/Synchrony-Bank/Profile)

[**https://www.mybanktracker.com/Bank-of-America/Profile**](https://www.mybanktracker.com/Bank-of-America/Profile)

[**https://www.mybanktracker.com/Chase/Profile**](https://www.mybanktracker.com/Chase/Profile)

[**https://www.mybanktracker.com/Wells-Fargo/Profile**](https://www.mybanktracker.com/Wells-Fargo/Profile)

[**https://www.mybanktracker.com/Suntrust-Bank/Profile**](https://www.mybanktracker.com/Suntrust-Bank/Profile)