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 - WellsF\_Data\_Deposit\_<MM\_DD\_YYYY>.csv)**

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| Date | Bank Name | Product Name | Account Balance | Minimum to Open | Maximum Balance | Rate % | APY % | Bonus Interest Rate | Bonus APY |
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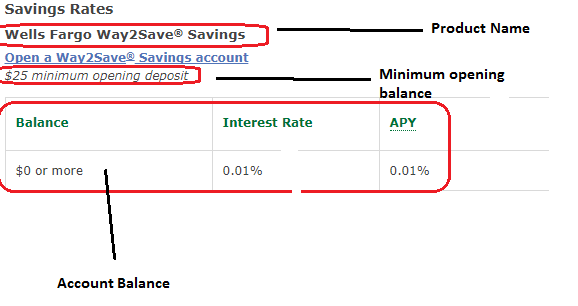
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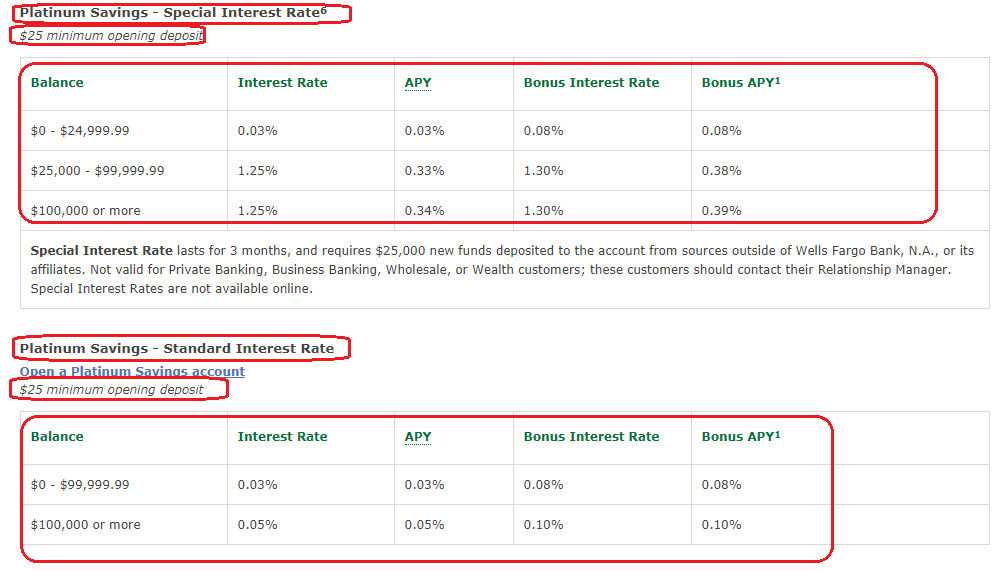
**Steps**

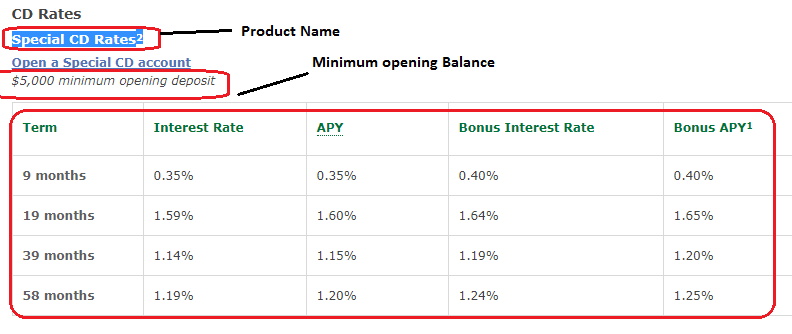
1. Click on below bank site

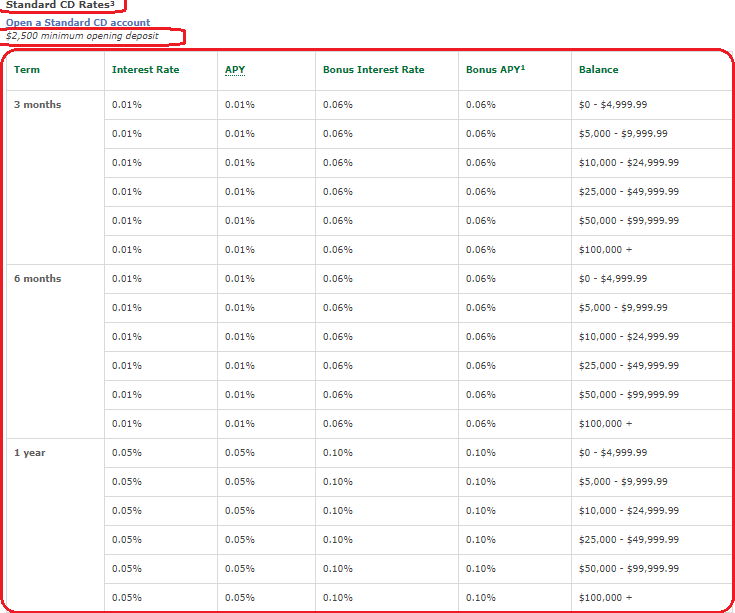
URL: <https://www.wellsfargo.com/savings-cds/rates/>

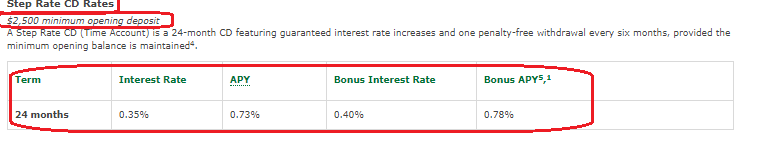
1. Scrape the below highlighted data points







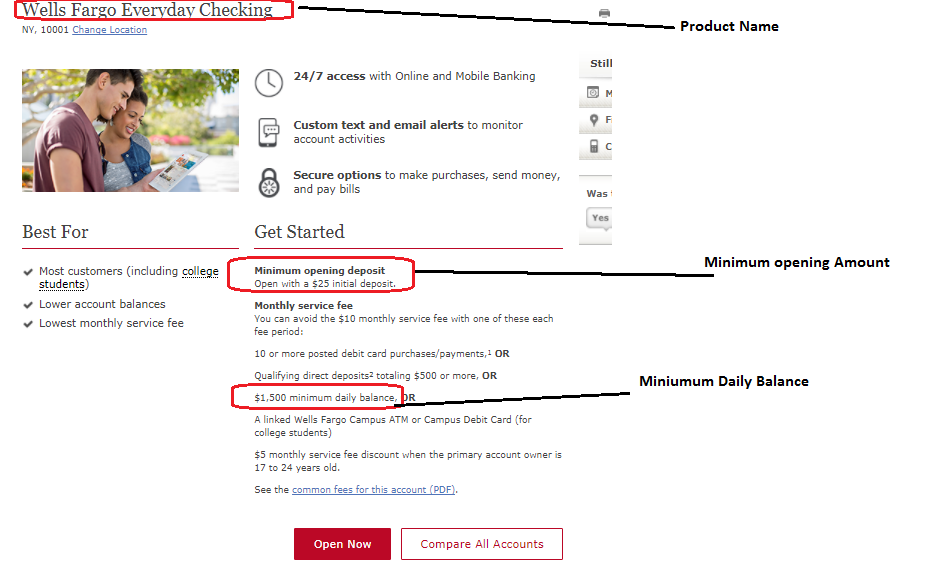




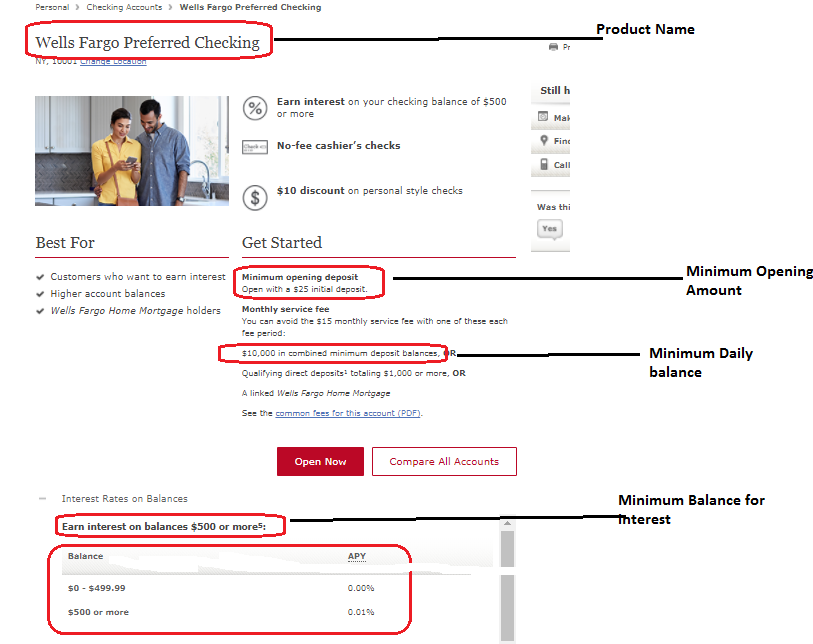
**Checking Accounts**

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| Date | Bank Name | Interest Type | Repayment Method | Loan amount | State | Loan Term | Credit Score | Loan to Value Ratio (LTV) | Loan Type | Product Name | Interest Rate | APR |
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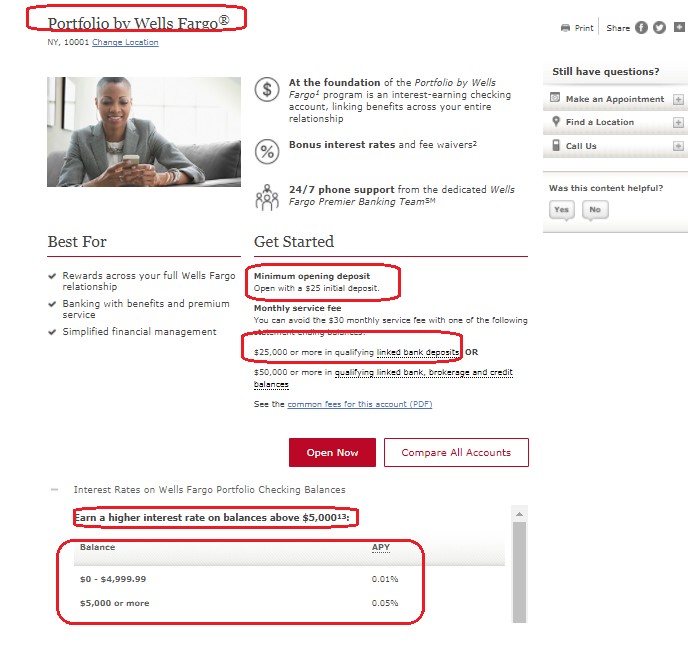
[**https://www.wellsfargo.com/checking/everyday/**](https://www.wellsfargo.com/checking/everyday/)

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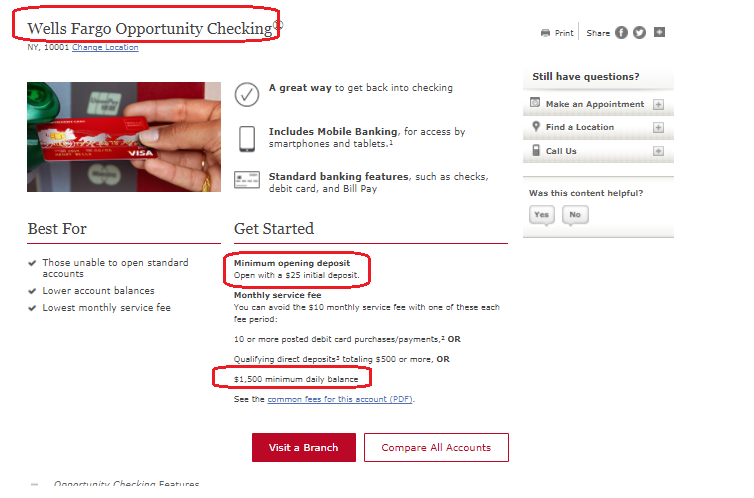
https://www.wellsfargo.com/checking/preferred/



<https://www.wellsfargo.com/checking/portfolio/>

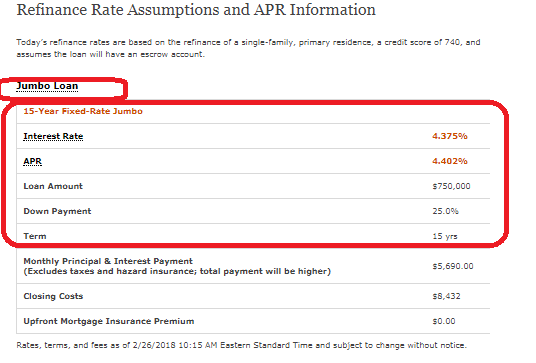


<https://www.wellsfargo.com/checking/opportunity/>

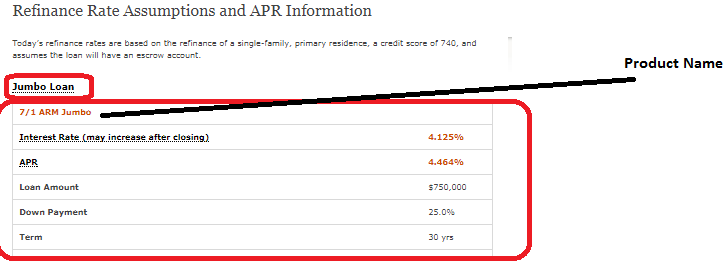


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| Work 2: Capturing Mortgage data  **Capture data for both Mortgage and Refinance along with any other additional data as per below**  **Scarped Data Format (File Name - WellsF\_Data\_Mortgage\_<MM\_DD\_YYYY>.csv)**   |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Date | Bank Name | Interest Type | Repayment Method | Loan amount | State | Loan Term | Credit Score | Loan to Value Ratio (LTV) | Loan Type | Product Name | Interest Rate | APR | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |   Capture the following:  **Mortgage URL:** <https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=1>    [**https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=2**](https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=2)    [**https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=3**](https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=3)    [**https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=4**](https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=4)    **Mortgage URL:** [**https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=5**](https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=5)    **Mortgage URL:** [**https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=6**](https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=6)    <https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=8>    <https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=9>    <https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=10>    <https://www.wellsfargo.com/mortgage/rates/purchase-assumptions?prod=7>    **Refinance URL –**  [**https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=11**](https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=11)    [**https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=12**](https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=12)    [**https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=13**](https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=13)    [**https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=14**](https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=14)    <https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=15>    <https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=16>    [**https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=17**](https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=17) |  |

<https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=18>



<https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=19>



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[**https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=20**](https://www.wellsfargo.com/mortgage/rates/refinance-assumptions?prod=20)

