

WealthSprout

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Example browser output:

The screenshot displays the WealthSprout web application interface. At the top, the WealthSprout logo is visible. Below it, a search bar labeled "Choose Company" contains the text "Microsoft". The main content area shows the stock ticker "MSFT". On the left, the "Current Price" is listed as "\$251.11" with a small tooltip indicating it is "Determined by the forces of supply and demand in the stock market". To the right, the "Current Ratio" is shown as "2.01". Below these, there are two tables. The first table, titled "Leadership at Microsoft", lists seven executives with their names and titles. The second table, titled "SEC Filing Information", shows data for three years (2020, 2021, 2022) including Gross Profit Margin % and Earnings Per Share (in Dollars).

Name	Title
0 Mr. Satya Nadella	Chairman & CEO
1 Mr. Bradford L. Smith LCA	Pres & Vice Chairman
2 Ms. Amy E. Hood	Exec. VP & CFO
3 Mr. Judson Althoff	Exec. VP & Chief Commercial Officer
4 Mr. Christopher David Young	Exec. VP of Bus. Devel., Strategy & Ventures
5 Ms. Alice L. Jolla	Corp. VP & Chief Accounting Officer
6 Brett Iversen	Gen. Mang. of Investor Relations
7 Mr. Frank E. Shaw	Gen. VP of Sec. Communications

Year	Filing Info	Gross Profit Margin %	Earnings Per Share (In Dollars)	
0	2022	CY 2022 SEC 10-K	68.4	9.65
1	2021	CY 2021 SEC 10-K	68.93	8.05
2	2020	CY 2020 SEC 10-K	67.78	5.76

Setup and Running Instructions

Pre-Requisite: install a browser (Google Chrome/Safari)

1. Navigate to the folder where the project is downloaded. Use the terminal to cd into the main project folder named "DFP-Final-Project"

2. Activate conda by running the following command

```
Python
conda activate base
```

3. Download required packages by running the following command

Python

```
pip install -r requirements.txt
```

Or install them separately:

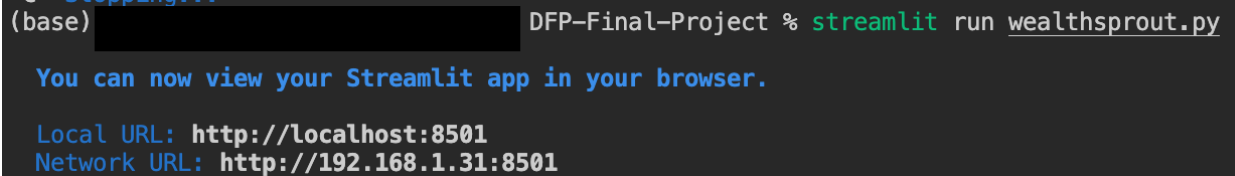
Python

```
pip install sec_cik_mapper  
pip install streamlit  
pip install BeautifulSoup4
```

4. Run the app by running the following command

Python

```
streamlit run wealthsprout.py
```



```
(base) [redacted] DFP-Final-Project % streamlit run wealthsprout.py  
  
You can now view your Streamlit app in your browser.  
  
Local URL: http://localhost:8501  
Network URL: http://192.168.1.31:8501
```

To close the program, press CTRL + C in the terminal where you started the application from.