Dynamic Jumia & Amazon Scraper

PROJECT ID: 19

Deep Minds
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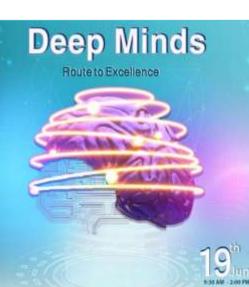19th Jun
9:30 AM - 2:00 PM

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Course code: 313x
Course Name: Data Storage and Retrieval

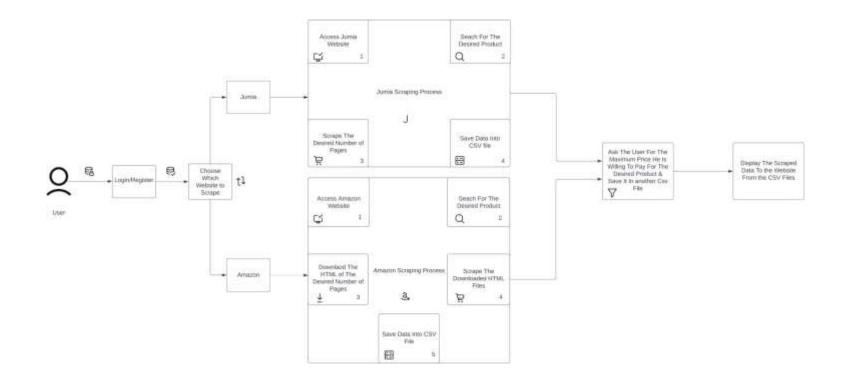Course Coordinator: Dr. Motaz Samy
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INTRODUCTION

The primary objective of this project is to perform dynamic web scraping on popular e-commerce platforms in order to acquire valuable information and data. This collected data will be subject to preprocessing and subsequently utilized for various tasks. The project involves projecting the obtained data onto a newly developed website. On this website, clients have the flexibility to select the desired e-commerce platform (Jumia or Amazon) and specify the product they wish to scrape, as well as set a maximum price they are willing to pay for the product.

Product Scraper

Product Name:

Maximum Price:

Submit

SYSTEM ARCHITECTURE

RESULTS

The processed data served various purposes, such as market analysis, price tracking, and personalized product recommendations. It provided insights into market trends, competition, and product availability across different e-commerce platforms. Clients could utilize the newly developed website to specify their desired product and receive price alerts when the product price fell within their specified range. Additionally, personalized recommendations were generated based on customer preferences, ratings, and reviews.

DATA ANALYSIS / SYSTEM UI

PUBLICATIONS / REFERENCES

Beautiful Soup Documentation:

https://readthedocs.org/projects/beautiful-soup-4/downloads/pdf/latest/

Selenium Documentation:

https://readthedocs.org/projects/selenium-python/downloads/pdf/latest/

CONCLUSION

In conclusion, this project successfully implemented dynamic web scraping on popular e-commerce platforms (Jumia and Amazon) to collect valuable information and data. Effectively extracting product details such as names, prices, and ratings, the web scraping algorithm provided a comprehensive dataset for analysis. This data was utilized for market analysis & price tracking.

TOOLS

glob

CSV

BeautifulSoup

JSON

CONTACTS