







Dynamic Jumia & Amazon Scraper

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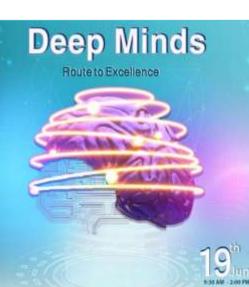
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PROJECT ID: 19

Course code: 313x

Course Name: Data Storage and Retrieval

Course Coordinator: Dr. Motaz Samy Course TA: Dr. Rana Reda El-Sayed

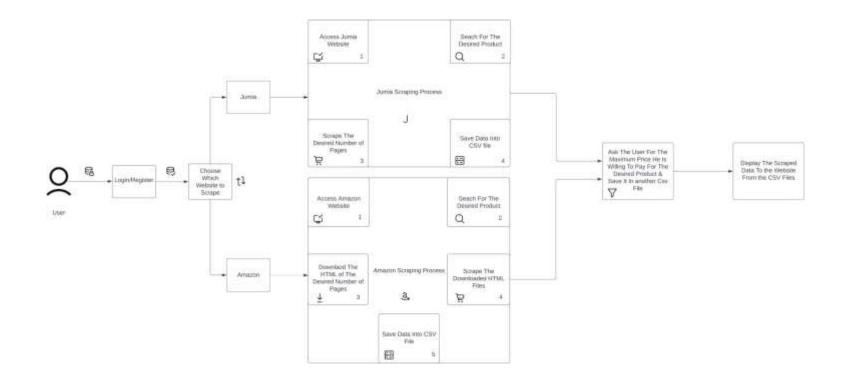


INTRODUCTION

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:

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 ecommerce 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.

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PUBLICATIONS / REFERENCES

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

Selenium Documentation:

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

CONTACTS

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

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