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Project Proposal

Automated price comparison

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Overview

E-commerce sites are increasing in number every day and with the increase in the number of products offered by different sites, the users may find themselves wondering which site gives the best offer for a certain product. Also, are these offers real or fake.

Goals

1. Automatic logging process for the prices of different products on popular Egyptian E-commerce sites Jumia, noon, souq.
2. Display the different prices of the same products on different websites.
3. Notify the user when an offer is available or the product reaches a certain price.
4. Price history of the products to avoid fake offers.

Specifications

The basis of the project is building a web crawler smart enough to do automatic logging of the products available on site A and doing the same for site B, then linking similar products to each other and daily check up on their prices to find the lowest price for a certain product.

Competitors

Several websites are trying to do the same idea, but they use a manual method for entering data or by scraping the Front-end of web sites, which in most cases provides false results or outdated, which result of the product is not currently available on the site.

challenges

- Arabic websites do not use a semantic tree, and some of them use server rendering which leads to use problematic data collection methods which are difficult to logging for data
- The database will be relatively large and complex