

Price Comparison Website

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Abstract: Mobile apps have evolved to be more useful for regular use in recent years. The goal of this project is to give users an easy way to compare product availability and costs on various e-commerce websites. Users can easily compare prices from numerous sources by simply entering the product information into the programme. To compare the product information found on several websites side by side, the application's databases are then searched. In order to ensure that they never miss out on a great offer, customers can also receive push notifications when things become available or go on sale.

Keywords: Price Comparison Website

I. INTRODUCTION

The growth of e-commerce has contributed to an increase in the use of price comparison websites, which provide customers with information and metrics to compare prices across various online retail outlets. These websites assist users in making wise purchase decisions, saving them time and money. It might be cumbersome and time-consuming to manually check the pricing of the same product across many internet retailers when comparing costs. There are many websites that compare prices, but none of them compare prices for things that are on wish lists. We created a project called the Wish List Products Price Comparison Website to counteract this, which only evaluates the prices of goods the user intends to acquire. Customers can contrast this website's prices with those on other

II. LITERATURE SURVEY

"Price comparison websites have grown in significance in the current industry, boosting provider efficiency and competition while assisting consumers. Consumers formerly had few options for doing product and service research, so they had to rely on print media like books, periodicals, and newspapers. However, the introduction of the internet has made it simpler for consumers to conduct product and service research online. Price comparison websites are a type of search technology that helps customers find products and services, assess alternative possibilities, and save money on search costs. Modern price comparison websites offer cutting-edge functions including cost calculation, internet crawling, and better user control. Costs, items, and other crucial data from third parties are gathered and combined.



III. PROPOSED SYSTEM

A computerised system is being suggested because the current system has discovered abnormalities. Only one entity, the user, will have access to the suggested system. A wishlist product price comparison site is the system that compares the costs of the things that consumers are attempting to buy. The system's sophisticated capabilities enable price comparison between a variety of e-commerce websites and notify users when the cost of a specific item on their wish

list changes. The ability to compare costs from multiple online stores in one place makes this website very handy for people who frequently shop online.

The programme will provide product prices from different merchants, allowing the user to determine the most reasonable price for the thing.

Limitations

- For the application to produce precise results, accurate data entry is necessary.
- This application requires an internet connection in order to function properly.
- Users must input accurate information to avoid the application acting strangely.

Problem statement and drawback of current scenario

Problems

Users of this website will be able to add items they want to buy to their wish list. The pricing of these products from numerous e-commerce websites will then be compared by the website and shown in one location for simple comparison.

The website also features a sophisticated feature that alerts users if the price of a certain item on their wish list changes. Users will find it simpler to stay informed about and take advantage of pricing changes as a result.

This technique will be highly useful to frequent online consumers who wish to compare costs from different online retailers in one location. Additionally, it will spare them the time and effort they would otherwise expend manually looking for the most affordable costs. This technique assists consumers in finding the most inexpensive pricing for their products by displaying the product prices from many stores.

Drawbacks

- People typically research prices online before making purchases.
- Online stores provide the same goods at different pricing points.
- Prior to now, shoppers had to manually compare costs across several websites.
- The technology sends notifications for price changes and compares prices from multiple e-commerce websites.
- This technique is useful for frequent internet consumers who wish to compare costs from numerous businesses in one location.
- The program presents data to users in an intuitive manner.
- The existing system has concerns with upkeep, accuracy, and usability.
- These problems are addressed by the suggested system. In this situation, be proactive and make plans properly.

IV. METHODOLOGY

Oral interviews, which can be utilized for both theoretical and practical research goals, are one approach that can be used to collect data for study.

For instance, data may be gathered for management studies to conceive operational planning and change management methods using oral interviews.

To be effectively finished, all projects in the field of information systems must go through the System Development Life Cycle (SDLC)'s many stages. The Planning, Analysis, Design, and Implementation stages of the SDLC are what go into creating and delivering the finished system. Software is used to assess and reach pertinent conclusions in order to build the technique for a project. The SSADM is an illustration of a CDLC model in which analysts and users systematically complete each step, evaluating it before moving on to the next (Hevner, 2004)

V. IMPLEMENTATION

Following is how the proposed system functions: The backend system makes advantage of the essential web crawling and scraping techniques. A technique for gathering data from the internet and displaying it on the target terminal is called web scraping. Web crawlers are responsible for locating the location, though, before scraping the content. The

scraping process starts after they land on the correct page and locate the products. Web scraping essentially involves loading the needed webpage and parsing the HTML code to extract the relevant data. Python is utilized in this system since it offers a large number of libraries that can handle the scraping tasks.

Rely on "requests" to



Features	Item 1	Item 2	Item 3
Mobile Name	Samsung Galaxy J3 (JGC) with 5.5Inch mode NFC Sticker	Samsung Galaxy J3 (JGC) with 5.5Inch mode NFC Sticker	Samsung Galaxy J5 (JGC, G)
Mobile Price	8,990	8,990	11,990
Resolution	HD 1280 x 720 Pixels	HD 1280 x 720 Pixels	1080P
Battery	Yes	Yes	Yes
Internal Memory	1.5 GB 8 GB	1.5 GB 8 GB	1.5 GB 8GB
Expandable Memory	Up to 128 GB	Up to 128 GB	Up to 32GB
Model Name	Galaxy J3	Galaxy J3	J5
Primary Camera	5 MP	5 MP	5 MP
Secondary Camera	8 MP	8 MP	13 MP
Processor Speed	1.5 GHz Quad Core Spreadtrum	1.5 GHz Quad Core Spreadtrum	1.2 GHz Quad Core AMD
Screen Size	12.7 cm (5)	12.7 cm (5)	12.7 cm (5)
Call Features	Loudspeaker	Loudspeaker	Call Forwarding
SIM Type	Dual SIM	Dual SIM	Dual

Image 3. User can compare 2 or 3 products

VI. CONCLUSION

Our team has finished creating the "ProductsPrice Comparison" system utilizing Python as the programming languages. Our team had to put in a tremendous amount of work to create this system. We are pleased with the outcome and think the users will be quite happy with it. We are, however, open to any upcoming adjustments or improvements because, as with any development effort, there is always potential for improvement. We learned a lot about the development industry through this initiative, and we hope to use what we learned in the future.

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