

# E-Commerce Price Comparison Website

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**Abstract**— we explore the possibility of creating a price comparing product search engine that is able to dynamically find commercial sites like Flipkart and amazon merchant, independent of merchant feeds and other human involvement in the management of internal databases. The website crawl different merchants and compare the likely products and the list the products according to their quality and price.

**Key words:** XAMPP, JavaScript (JS), E-Commerce

## I. INTRODUCTION

In this era of online buying shopping when more and more sellers and buyers are going for online marketing and shopping price comparison sites have really proved their worth. Research and studies show that more and more buyers use price comparison websites to compare the prices and features before buying any product. For those who wants to save money on the products, and receive the best value for that product, they may use the price comparison website to find the best value. Analyzing brands and products to find out the best value for that product will be helpful to buyers. Using price comparison website will also help saving money for long terms. Finding only the cheapest product is not only important it should also have quality Comparison shopping engines are suchlike and Empty Desk a typical search engine, where we can look for a specific item or product of interest.

## II. TECHNOLOGY

The most important and challenge part of price comparison website is how to collect data from merchants like amazon and Flipkart. The technology is to collect data thorough a data file. The Merchant will provide the product information with price including the offers in data set format. Comparison website then imports data. Consolidation of data feeds can be found on some third party. Third approach is to crawl the web for product information and prices. In this method Comparison service scans retail sites and collects information rather than waiting for them to supply data. This is also known as ‘Scrapping’ information. The website will compare the price of the similar products on the basis of there price and features that are given by the merchant website. The Website will start crawling through the registered merchant and will search for the product that are ask by the user when the products are found then the algorithm will search which of other websites having similar products and start comparing the website, which will have less price will be logically listed first and then the website having high price is listed after the website having the less price and then the algorithm will compare the customer review the website having the least review will listed below the website having high customer review. This can also we done by Content Egg plugin.

## III. WORKING OF PROPOSED MODEL

The price comparison website will have the search button that will be the main function of the website. When any user comes to the website, the user will search for the product then the website will ask the user form which merchant they want to compare for specified product after selecting the merchant website the price comparing website will search for product from the user selected merchants, after finding the product on the merchant site the JSON file will fetch the details of the product and price after collecting products details from each and every merchant, at first step of algorithm it will fetch only the price of product from the selected website after fetching the price the algorithm will list first which will having the less price and make a logical bucket which will contain the listing at the second step algorithm will fetch the details of customer review from the website in logical bucket and according to the customer review the website will be listed and stored in the logical bucket 2 after that the algorithm will compare both the list of logical bucket 1 and 2, the website having less price and high customer review will listed first and also be shown first to the user and below that website having high price and high customer review will be shown below that website having high price and less customer review will be listed at last position this will help the user to find the good quality product at less price and will save their hard earned money.

## IV. XAMPP

XAMPP is an abbreviation of Cross-Platform (X), Apache (A), MariaDB (M), PHP (P) and Perl (P). It is a simple and easy to use, lightweight Apache distribution model that makes it extremely easy for developers and programmers to create a local web server for testing and deployment their projects.

## V. JAVASCRIPT

JavaScript (JS) is insubstantial, interpreted or Just in Time compiled programing language with better functions and new sort of methods. Significantly as the scripting language for Web pages, also use it, such as Nodejs and Apache Server. JavaScript is easy to make the comparing scripts. Multi-paradigm, dynamic scripting language, supporting object-oriented, imperative, and declarative (e.g. functional programming) styles.

## VI. COMPONENTS REQUIRED

- JavaScript
- PHP
- HTML
- CSS
- Personal Computer
- Xampp

– Json

## VII. FUTURE SCOPE

With the help of this price comparison website the user will get the product at the best value present with high quality and will not be cheated by the merchant which are selling low value product at high price.

## VIII. FEATURES

- 1) The website will crawl through the selected merchant.
- 2) The algorithm will compare the customer review of the product to give the best quality product.
- 3) The buyer can select the merchant before the comparison starts.
- 4) The buyer can also save the product for later buying.

## IX. ADVANTAGES

- 1) The buyer can select the merchant which is to be compared.
- 2) The buyer can select the merchant which is to be compared
- 3) The buyer will get product at the best and reasonable value

## X. CONCLUSION

We try to spend as much time as we can, to check whether or not we are buying a right thing or not? And the most important, whether we are buying it at a reasonable and valuable rate or not? Providing the ability to compare products is at the heart of what comparison sites are trying to achieve. However, those sites are achieving this with varying levels of success. My target of website is simply log on to my website, learn about the products, search and browse the options and shop with satisfaction of trust and all these at your click of your mouse.

## REFERENCES

- [1] [https://en.wikipedia.org/wiki/Comparison\\_shopping\\_website](https://en.wikipedia.org/wiki/Comparison_shopping_website)
- [2] <https://www.quora.com/What-is-the-future-of-price-comparison-websites>
- [3] <https://itstillworks.com/price-comparison-work-6685948.html>