

PRODUCT AND PRICE COMPARISON TOOL

*Project report
submitted in
partial fulfilment of requirement for the award of degree of*

**Bachelor of Technology
in
Information Technology
by**

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Ranked 2nd by ARIIA 2020, MHRD in Private or Self Finance Institutions, 5 Star Rating by
MIC, MHRD 2021

April. 2023

Declaration

We, hereby declare that the data preprocessing report titled “Product and Price Comparison Tool” submitted herein has been carried out by us towards partial fulfilment of requirement for the award of Degree of Bachelor of Technology of Engineering in Information Technology. The work is original and has not been submitted earlier as a whole or in part for the award of any degree / diploma at this or any other Institution / University.

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Place: Nagpur

Ms. Divya Dhoté

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Date:

Certificate

The Data Preprocessing report entitled as “**Product and Price Comparison Tool**” submitted by **Divya Dhote, Isha Smarth, Ishika Kumbhare** for the award of Degree of Bachelor of Technology in Information Technology has been carried out under our supervision. The work is comprehensive, complete and fit for evaluation.

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We also convey our sincere thanks to our Project Team members for their efforts and hard work.

Thank You.

ABSTRACT

Product and price comparison tools are essential in today's online shopping world. These tools allow consumers to compare prices and features of different products from different retailers, making it easier for them to make informed purchasing decisions.

The primary purpose of a product and price comparison tool is to provide consumers with information on a product's price, features, and benefits. This information is collected from various retailers, online marketplaces, and other sources. The tool then presents the data in an easy-to-understand format, enabling consumers to make an informed decision quickly.

One of the key advantages of a product and price comparison tool is that it saves time for consumers. Instead of browsing through different websites and retailers to compare products and prices, consumers can use a comparison tool to access all the necessary information in one place. This not only saves time but also helps consumers avoid the hassle of navigating through multiple websites.

Another significant advantage of a product and price comparison tool is that it helps consumers save money. By providing information on prices from different retailers, consumers can quickly identify the best deals and save money on their purchases. This can be especially helpful for consumers who are on a tight budget.

Moreover, these tools can also provide insights into product quality and reliability, helping consumers make informed purchasing decisions. Reviews and ratings from other users can be included, giving consumers an idea of what to expect from a product. This information can help consumers avoid making costly mistakes and purchasing products that may not meet their expectations.

Product and price comparison tools are not only beneficial for consumers but also for retailers. Retailers can use these tools to gain insights into their competitors' pricing and product offerings. This information can help retailers adjust their pricing and marketing strategies to remain competitive in the market.

In addition, product and price comparison tools can also help retailers identify new trends and emerging markets. By analyzing the data collected by these tools, retailers can gain insights into what products are in demand, what features consumers are looking for, and what prices are acceptable in different markets.

Overall, product and price comparison tools are a valuable resource for both consumers and retailers. These tools provide consumers with access to comprehensive information on product prices, features, and benefits, making it easier for them to make informed purchasing decisions. Retailers can use these tools to gain insights into their competitors' pricing and product offerings, helping them remain competitive in the market. As online shopping continues to grow, the importance of product and price comparison tools will only increase, making them an essential tool for anyone looking to buy or sell products online.

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CHAPTER 1

INTRODUCTION

1.1 Preface

Product and price comparison tools have become increasingly popular among consumers in recent years, as they provide an easy and convenient way to compare products and prices across different retailers. These tools allow shoppers to quickly and easily compare the features, specifications, and prices of different products, helping them make informed purchasing decisions and get the best value for their money.

At their core, product and price comparison tools are designed to provide consumers with a more transparent and competitive marketplace. By making it easier for consumers to compare products and prices, these tools put pressure on retailers to offer better deals and higher-quality products in order to stay competitive. This can ultimately benefit consumers by driving down prices, increasing product quality, and promoting innovation in the marketplace.

One of the key advantages of product and price comparison tools is that they allow consumers to quickly and easily compare a wide range of products from multiple retailers. This can save shoppers a significant amount of time and effort compared to traditional shopping methods, which often require visiting multiple stores or websites to find the best deals. By providing a centralized platform for comparing products and prices, these tools streamline the shopping process and help consumers make more informed purchasing decisions.

Another advantage of product and price comparison tools is that they can help consumers identify hidden costs and fees that may not be immediately apparent when shopping through traditional channels. For example, some retailers may offer lower prices on products but then charge high shipping or handling fees, making the total cost of the purchase higher than anticipated. By using a comparison tool, consumers can quickly see the total cost of a product, including any additional fees or charges, and make more informed purchasing decisions.

One of the key features of product and price comparison tools is the ability to filter and sort products based on a wide range of criteria. For example, shoppers can often filter products by price range, brand, size, color, and other attributes, making it easier to find products that meet their specific needs and preferences. This can be particularly useful when shopping for products in a crowded marketplace, where there may be hundreds or even thousands of similar products available.

Product and price comparison tools can also provide valuable insights into market trends and consumer preferences. By analyzing the data generated by these tools, retailers can gain a better understanding of which products are popular, which features and specifications are most important to consumers, and which pricing strategies are most effective. This can help retailers optimize their product offerings and pricing strategies, ultimately leading to a more competitive and consumer-friendly marketplace.

However, it's important to note that product and price comparison tools have their limitations as well. For example, these tools may not always provide accurate or up-to-date information, as retailers may change their prices or product offerings without updating the tool. Additionally, some retailers may not participate in comparison tools, meaning that certain products or retailers may not be included in the search results.

In conclusion, product and price comparison tools have become an important tool for modern consumers, offering a range of benefits including time savings, cost savings, and increased transparency in the marketplace. By leveraging the power of technology to provide consumers with access to a wealth of product information and pricing data, these tools have transformed the way we shop and have helped to create a more competitive and consumer-friendly marketplace.

1.2 Brief Overview

Product and price comparing tools are online resources that help consumers compare the prices and features of various products before making a purchase. These tools are designed to make the shopping experience easier and more efficient, allowing consumers to make informed decisions and save money.

One of the primary benefits of product and price comparing tools is the ability to compare prices across multiple retailers. With these tools, consumers can quickly and easily compare prices from various online retailers, ensuring that they are getting the best deal possible. In addition, these tools often provide information on promotions, discounts, and coupons that can further help shoppers save money.

Another key feature of product and price comparing tools is the ability to compare product features. For example, consumers can compare the specifications of different models of the same product, such as laptops or smartphones, to determine which one best meets their needs. This can save time and effort in researching and comparing products manually.

Many product and price comparing tools also provide reviews from other consumers who have purchased the products. These reviews can provide valuable insights into the quality and reliability of the products, helping consumers make more informed decisions.

Finally, some product and price comparing tools also offer additional services, such as price tracking or alerts when a product drops in price. This can help consumers get the best deals on the products they want, even if they are not currently on sale.

Overall, product and price comparing tools are valuable resources for consumers who want to save money and make informed purchasing decisions. They offer a range of features and benefits, from price comparison and product feature comparison to reviews and alerts, making the shopping experience easier and more efficient.

CHAPTER 2

LITERATURE REVIEW

Product and price comparison tools have become an essential aspect of the e-commerce industry. They enable customers to compare product features and prices across different online retailers, allowing them to make informed decisions before making a purchase. In this literature review, we will explore the various aspects of product and price comparison tools, their benefits and challenges, and their impact on e-commerce.

Benefits of Product and Price Comparison Tools:

Product and price comparison tools provide numerous benefits to both consumers and retailers. One of the most significant advantages of these tools is that they allow customers to compare products and prices from multiple retailers, making it easier for them to find the best deals. This feature has become increasingly crucial in recent years as more consumers turn to online shopping due to its convenience.

Another benefit of product and price comparison tools is that they help to increase competition among retailers. When consumers can easily compare prices and features, retailers are forced to compete with one another, resulting in lower prices and better products. This increased competition benefits consumers, as they are more likely to find products at a lower price, and it benefits retailers, as they can attract more customers by offering competitive prices.

Product and price comparison tools can also provide valuable insights to retailers. By analyzing the data generated by these tools, retailers can identify trends in consumer behaviour, monitor competitor pricing strategies, and make informed decisions about product pricing and placement.

Challenges of Product and Price Comparison Tools:

Although product and price comparison tools provide numerous benefits, they also pose several challenges for both consumers and retailers. One significant challenge is the accuracy and completeness of the data provided by these tools. It can be challenging to ensure that the data is up-to-date and accurate, as prices and product features can change frequently.

Another challenge of these tools is that they can lead to information overload. With so much information available, consumers may become overwhelmed and have difficulty making a decision. This can result in decision paralysis or lead consumers to choose products solely based on price, rather than considering other factors such as product quality or brand reputation.

Product and price comparison tools can also lead to a race to the bottom in terms of pricing. When retailers are forced to compete solely on price, it can be challenging for them to maintain profit margins. This can result in a decline in product quality, as retailers cut corners to keep prices low.

Impact of Product and Price Comparison Tools on E-commerce:

Product and price comparison tools have had a significant impact on the e-commerce industry. One of the most notable impacts has been the increase in competition among retailers. With consumers able to compare prices and products easily, retailers have been forced to offer competitive pricing and higher-quality products to remain competitive.

Another impact of product and price comparison tools has been the rise of mobile shopping. As more consumers use mobile devices to shop, product and price comparison tools have become an essential feature of mobile shopping apps. This has led to an increase in the use of mobile devices for online shopping, further driving the growth of e-commerce.

Product and price comparison tools have also had an impact on how retailers market their products. With consumers able to easily compare products and prices, retailers must ensure that their products stand out from the competition. This has led to an increased focus on product differentiation, with retailers emphasizing unique features and benefits that set their products apart from the competition.

In conclusion, product and price comparison tools have become an essential aspect of the e-commerce industry. They provide numerous benefits to consumers and retailers, including increased competition, valuable insights, and the ability to make informed purchasing decisions. However, these tools also pose challenges, including accuracy and completeness of data, information overload, and the potential for a race to the bottom in terms of pricing. Despite these challenges, the impact of product and price comparison tools on e-commerce has been significant, driving growth and innovation in the industry.

Many factors influence consumers to buy a certain product online. Saad Akbar and Paul James has identified 9 factors that can influence a consumer to buy a product and is very helpful for the retailers. Among the 9 factors, the strongest predictors from highest to lowest were: Price, Refund, Convenience, Auction websites, Security, Brand, Search engines, Promotion and Online shopping malls. A typical consumer follows multiple ways to find the best price for a product. This means that consumers value highly the ability to research prices of the products they are interested in.

Generally, pricing strategies include the following five strategies:

- Cost-Plus Pricing — simply calculating the costs and adding a markup.
- Competitive Pricing — setting a price based on what the competition charges.
- Value-Based Pricing — setting a price based on how much the customer believes the product is worth.
- Price Skimming — setting a high price and lowering it as the market evolves.
- Penetration Pricing — setting a low price to enter a competitive market and raising it later.

With all this one can find and buy the required product very easily along with consuming less time and effective shopping. It now only reduces the time but is also very beneficial for working women/ working consumers as they don't have to go store-to-store to find required product with best pricing.

Overall, product and price comparing tools are valuable resources for consumers who want to save money and make informed purchasing decisions. They offer a range of features and benefits, from price comparison and product feature comparison to reviews and alerts, making the shopping experience easier and more efficient.

CHAPTER 3

METHODOLOGY

3.1 Methodology used

A methodology for a product and price comparison tool can be broken down into several steps:

Identify the products to be compared: The first step is to determine which products will be compared in the tool. This can be based on factors such as market demand, user feedback, or product availability.

Collect data on the products: The next step is to gather relevant data on the products, such as their features, specifications, and prices. This data can be sourced from various channels, including manufacturer websites, online retailers, and user reviews.

Categorize the products: Once the data has been collected, the products can be categorized based on their attributes. For example, smartphones can be categorized based on their operating system, screen size, camera quality, and price range.

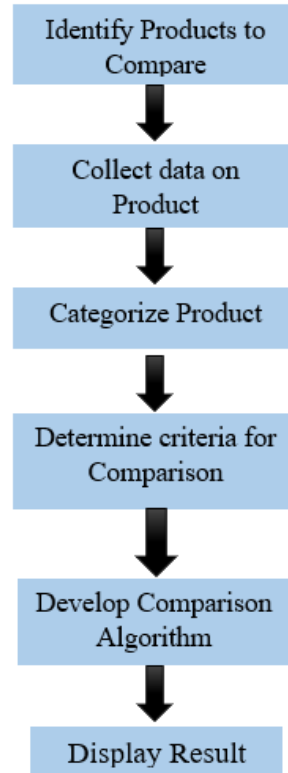
Determine the criteria for comparison: The next step is to establish the criteria for comparison, such as product features, price, or user ratings. This will help users to make informed decisions based on their priorities and preferences.

Develop a comparison algorithm: The comparison tool can then be programmed with an algorithm that takes into account the user's selected criteria and compares the products based on those factors.

Display the results: The final step is to present the results of the product comparison to the user in a clear and concise format, such as a table or chart. This will help users to easily compare the products and make an informed decision.

A Price Comparison tool, often called also Price Intelligence, Price Optimization or Price Monitoring tool - is usually a software in SaaS capable of detecting daily (or even several times a day) and automatically the main e-commerce metrics on a selection of online stores, in relation to a specific panel of SKUs:

- charged prices
- deviation from a certain price threshold
- discounts
- presence or absence of stock
- Thanks to this kind of software, companies can therefore conduct monitoring activities of their target market which would otherwise be extremely expensive, both in terms of time and resources.



Steps followed in Methodology

3.2 Methodology Explained

A product and price comparison tool is a valuable resource for consumers looking to make informed purchasing decisions. The tool allows users to compare products and prices across different brands and retailers, helping them to find the best deal on a particular product. The methodology for developing such a tool involves several key steps, which are discussed below in detail.

Step 1: Identify the products to be compared

The first step in developing a product and price comparison tool is to identify the products that will be compared. This can be based on a variety of factors, including market demand, user feedback, or product availability. In order to be effective, the tool should include a range of products that are relevant to the needs and preferences of the target audience.

Step 2: Collect data on the products

Once the products have been identified, the next step is to gather data on them. This data can include information on the product features, specifications, and prices, as well as user reviews and ratings. There are various sources of data that can be used, including manufacturer websites, online retailers, and product review sites.

The data should be collected in a structured format that allows for easy comparison across different products. This can be achieved by using a standardized format for product specifications, such as a table that lists the key features of each product.

Step 3: Categorize the products

Once the data has been collected, the products can be categorized based on their attributes. For example, smartphones can be categorized based on their operating system, screen size, camera quality, and price range. Laptops can be categorized based on their operating system, screen size, processor speed, memory, and price range.

Categorizing the products allows users to easily compare products within a particular category, and helps to make the tool more user-friendly.

Step 4: Determine the criteria for comparison

The next step is to establish the criteria for comparison. This will depend on the needs and preferences of the target audience, and may include factors such as product features, price, user ratings, and availability.

The criteria should be easy to understand and use, and should be presented in a way that allows users to easily select the factors that are most important to them. For example, a user might be able to select the product features that are most important to them, such as camera quality, screen size, and battery life.

Step 5: Develop a comparison algorithm

Once the criteria have been established, the tool can be programmed with an algorithm that takes into account the user's selected criteria and compares the products based on those factors. The algorithm can be designed to calculate a score for each product based on the criteria selected by the user.

The algorithm should be designed to be as accurate and reliable as possible, and should be regularly updated to reflect changes in the product data or the market.

Step 6: Display the results

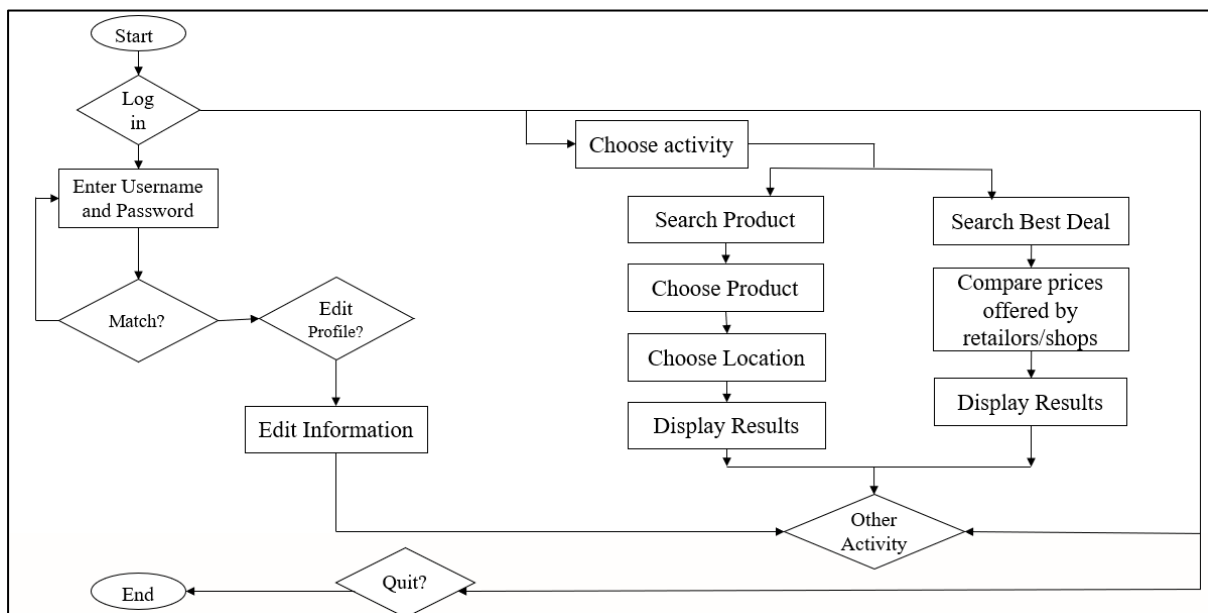
The final step is to present the results of the product comparison to the user in a clear and concise format, such as a table or chart. This will help users to easily compare the products and make an informed decision.

The results should be presented in a way that is easy to understand and use, and should allow users to quickly identify the best products based on their selected criteria.

To ensure the accuracy and reliability of the tool, it is important to regularly update the data on the products and retailers, as well as to monitor the performance of the algorithm. User feedback can also be gathered to improve the tool and make it more user-friendly.

In conclusion, developing a product and price comparison tool involves several key steps, including identifying the products to be compared, collecting data on the products, categorizing the products, determining the criteria for comparison, developing a comparison algorithm, and displaying the results.

3.3 Algorithm Used



The algorithm can be explained as:

Whenever the user starts the website, the initial step is to Log in entering their username and password. If the details match with the data stored, the user can continue with the shopping. Even if the details do not match with the data, the user can change the password according to their will.

The user can also scroll through the website without Logging in. The user can still choose whichever activity they want to do, i.e. either search a product or search for a best deal or sell a product.

The user can choose the required item and fill the billing details in order to buy the selected product. The user can also find great deals in our website offered by the retailers or by the website.

It is a best way for shopping as we can do it sitting in our house without dealing with the traffic and other time-consuming things. Not only that, one can order for someone else as well. This makes shopping very easy as well as interesting.

CHAPTER 4

DATA COLLECTION

Approaches for Data Collection

There are different approaches to collecting data for a product and price comparison tool, but here are some methods that we used:

4.1 Web scraping

This involves using software to extract data from websites. We used a web scraping tool to collect product and price information from various online retailers.

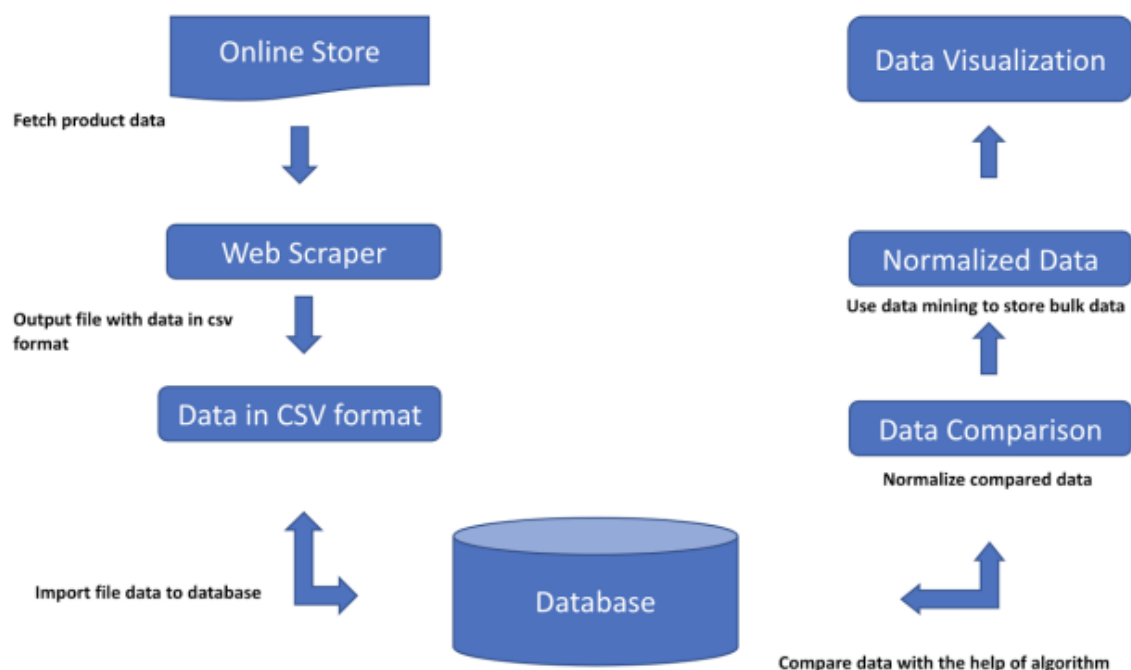
4.2 API integration

Some e-commerce sites offer APIs (Application Programming Interfaces) that allow third-party applications to access their data. We used these APIs to collect product and price information for our comparison tool.

4.3 Manual data entry

This involved manually entering product and price information in our comparison tool. Although this way is time-consuming, still we used this as this can provide more accurate data information or required product details.

It's important to ensure that the collecting data ethically and respecting the terms and conditions of the websites we are scraping or accessing through APIs. We also made sure that the data collected is up-to-date and accurate.



The System Architecture

CHAPTER 5

MODELLING AND IMPLEMENTATION

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terminal  Help  <!DOCTYPE html> - Untitled-1 - Price comparison - Visual Studio Code
index 3.1.html 9+  <!DOCTYPE html> Untitled-1 9+  V-guard (grey).jpg  V-guard (grey).jpg assets

1  <!DOCTYPE html>
2  <html lang="en" data-ng-app="searchPriceApp">
3  <head>
4      <meta http-equiv="content-type" content="text/html; charset=UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no">
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7      <meta name="description" content="Price comparison website: compare prices online for mobiles, laptops,
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11     <meta property="og:site_name" content="Pricee">
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13     <link rel="shortcut icon" href="src/assets/images/favicon.ico"/>
14     <script type="text/javascript">
15         document.write('<base href="' + window.location.protocol + "/" + window.location.host + window.loc
16     </script>
17     <script type="text/javascript">
18         (function(i, s, o, g, r, a, m) {
19             i['GoogleAnalyticsObject'] = r;
20             i[r] = i[r] || function() {
21                 (i[r].q = i[r].q || []).push(arguments)
22             }
23             i[r].l = 1 * new Date();
24             a = s.createElement(o),
25             m = s.getElementsByTagName(o)[0];
26             a.async = 1;
27             a.src = g;
28             m.parentNode.insertBefore(a, m)
29         })(window, document, 'script', 'https://www.google-analytics.com/analytics.js', 'ga');
30         ga('create', 'UA-64835266-23', 'auto');
31         ga('send', 'pageview');
32     </script>
33

```

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terminal  Help  main.html - Price comparison - Visual Studio Code
index 3.1.html 9+  main.html 9+  index.html  Settings  JS script.js 9+  V-guard (grey).jpg  V-guard (grey).jpg assets

1  <!DOCTYPE html>
2  <html lang="en" data-ng-app="searchPriceApp">
3  <head>
4      <meta http-equiv="content-type" content="text/html; charset=UTF-8">
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10     <meta property="og:description" content="&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
11     <meta property="og:site_name" content="ProPrice">
12     <link rel="shortcut icon" href="src/assets/images/favicon.ico"/>
13     <script type="text/javascript">
14         document.write('<base href="' + window.location.protocol + "/" + window.location.host + window.location.pathname.split('?')[0] + "/" + ">
15     </script>
16     <script type="text/javascript">
17         (function(i, s, o, g, r, a, m) {
18             i['GoogleAnalyticsObject'] = r;
19             i[r] = i[r] || function() {
20                 (i[r].q = i[r].q || []).push(arguments)
21             }
22             i[r].l = 1 * new Date();
23             a = s.createElement(o),
24             m = s.getElementsByTagName(o)[0];
25             a.async = 1;
26             a.src = g;
27             m.parentNode.insertBefore(a, m)
28         })(window, document, 'script', 'https://www.google-analytics.com/analytics.js', 'ga');
29         ga('create', 'UA-64835266-23', 'auto');
30         ga('send', 'pageview');
31     </script>
32     <script type="text/javascript">
33         var _comscore = _comscore || [];
34         _comscore.push(
35             c1: "2",
36             c2: "9548893"
37         );
38         (function() {
39             var s = document.createElement("script")
40             , el = document.getElementsByTagName("script")[0];
41             s.async = 1;
42             s.src = document.location.protocol == "https:" ? "https://sb" : "http://sb" + ".scorecardresearch.com/beacon.js";
43             el.parentNode.insertBefore(s, el);
44         })();
45     </script>
46     <!-- Google Tag Manager -->
47     <script>
48         window.dataLayer = window.dataLayer || [];
49         dataLayer.push({
50             'pageType': 'home',
51             'sitename': 'pricee.com',
52             'language': 'english',
53             'tvc_taboola_status': 'disable'
54         });
55         (function(w, d, s, l, i) {
56             w[l] = w[l] || [];
57             w[l].push(
58                 {
59                     'gtm.start': new Date().getTime(),
60                     event: 'gtm.js'
61                 }
62             );
63             var f = d.getElementsByTagName(s)[0]
64             , j = d.createElement(s)
65             , dl = l != "dataLayer" ? '&lt;l>' + l : '';
66             j.async = true;
67             j.src = "https://www.googletagmanager.com/gtm.js?id=" + i + dl;
68             f.parentNode.insertBefore(j, f);
69         })(window, document, "script", "dataLayer", "GTM-NR2K2Q");
70     </script>
71     <!-- End Google Tag Manager -->
72     <script>
73         (function() {
74             /** CONFIGURATION START **/
75             var sf_async_config = window._sf_async_config || (window._sf_async_config || {});
76             sf_async_config.uid = 34512;
77             sf_async_config.domain = 'pricee.com';
78             sf_async_config.flickerControl = false;
79             sf_async_config.useCanonical = true;
80             sf_async_config.useCanonicalDomain = true;
81             sf_async_config.sections = '';
82             sf_async_config.authors = '';
83         })();
84

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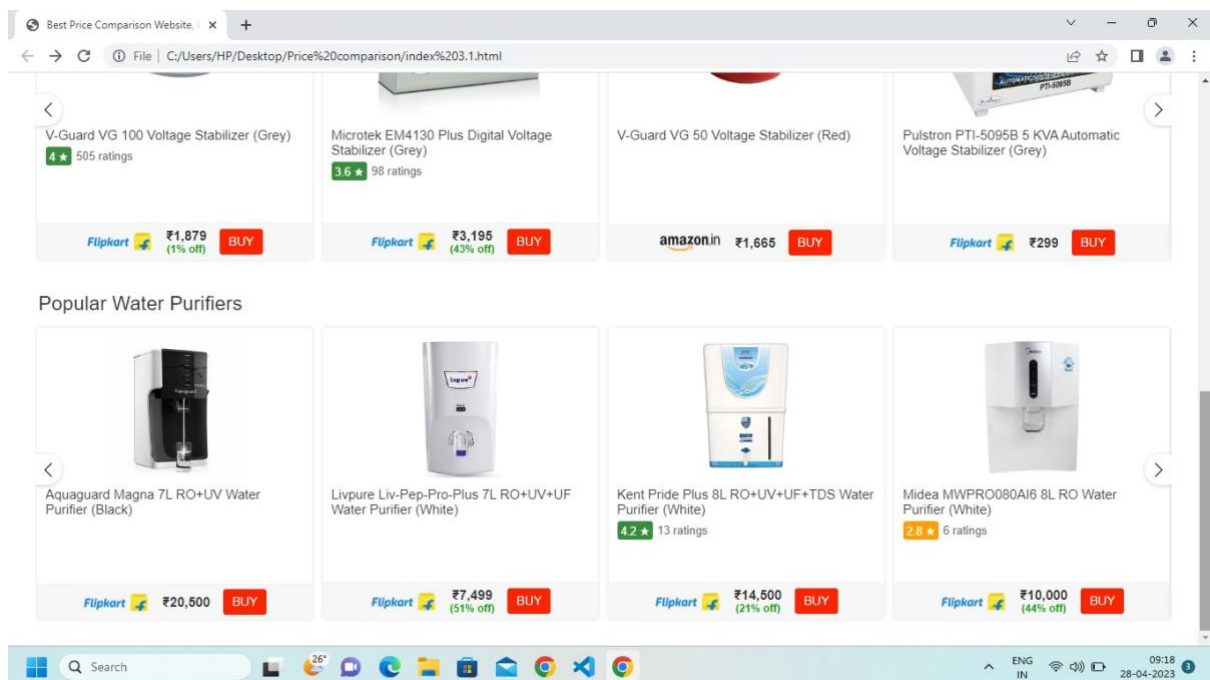
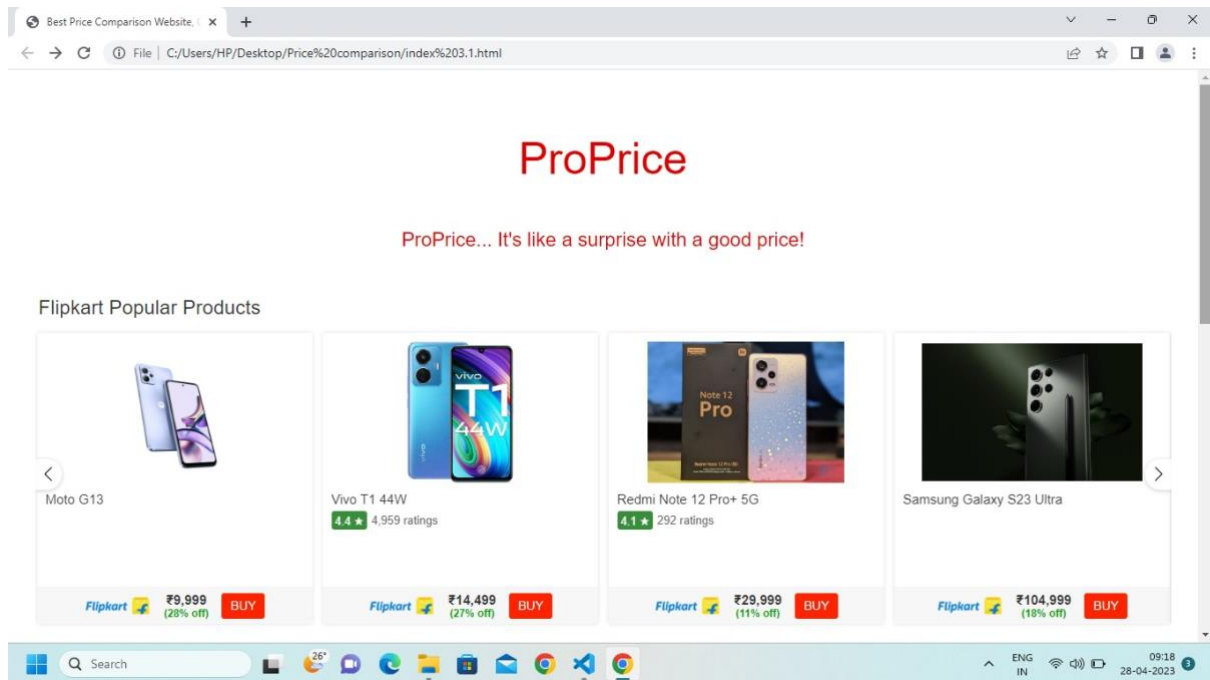
terminal  Help  main.html - Price comparison - Visual Studio Code
index 3.1.html 9+  main.html 9+  index.html  Settings  JS script.js 9+  V-guard (grey).jpg  V-guard (grey).jpg assets

41  <script>
42      var s = document.createElement("script")
43      , el = document.getElementsByTagName("script")[0];
44      s.async = 1;
45      s.src = (document.location.protocol == "https:" ? "https://sb" : "http://sb") + ".scorecardresearch.com/beacon.js";
46      el.parentNode.insertBefore(s, el);
47  }();
48  </script>
49  <!-- Google Tag Manager -->
50  <script>
51      window.dataLayer = window.dataLayer || [];
52      dataLayer.push({
53          'pageType': 'home',
54          'sitename': 'pricee.com',
55          'language': 'english',
56          'tvc_taboola_status': 'disable'
57      });
58      (function(w, d, s, l, i) {
59          w[l] = w[l] || [];
60          w[l].push(
61              {
62                  'gtm.start': new Date().getTime(),
63                  event: 'gtm.js'
64              }
65          );
66          var f = d.getElementsByTagName(s)[0]
67          , j = d.createElement(s)
68          , dl = l != "dataLayer" ? '&lt;l>' + l : '';
69          j.async = true;
70          j.src = "https://www.googletagmanager.com/gtm.js?id=" + i + dl;
71          f.parentNode.insertBefore(j, f);
72      })(window, document, "script", "dataLayer", "GTM-NR2K2Q");
73  </script>
74  <!-- End Google Tag Manager -->
75  <script>
76      (function() {
77          /** CONFIGURATION START **/
78          var sf_async_config = window._sf_async_config || (window._sf_async_config || {});
79          sf_async_config.uid = 34512;
80          sf_async_config.domain = 'pricee.com';
81          sf_async_config.flickerControl = false;
82          sf_async_config.useCanonical = true;
83          sf_async_config.useCanonicalDomain = true;
84          sf_async_config.sections = '';
85          sf_async_config.authors = '';
86      })();
87

```


CHAPTER 6
TESTING AND SUMMARY OF RESULTS

6.1 Testing Results



Best Price Comparison Website, x

File | C:/Users/HP/Desktop/Price%20comparison/index%203.1.html

Popular Voltage Stabilizers

| Product | Price | Discount | Rating | Source |
|--|--------|-----------|-------------------|-----------|
| V-Guard VG 100 Voltage Stabilizer (Grey) | ₹1,879 | (1% off) | 4.5 ★ 505 ratings | Flipkart |
| Microtek EM4130 Plus Digital Voltage Stabilizer (Grey) | ₹3,195 | (43% off) | 3.6 ★ 98 ratings | Flipkart |
| V-Guard VG 50 Voltage Stabilizer (Red) | ₹1,665 | | | amazon.in |
| Pulstron PTI-5095B 5 KVA Automatic Voltage Stabilizer (Grey) | ₹299 | | | Flipkart |

Popular Water Purifiers

| Product | Price | Discount | Rating | Source |
|--|--------|-----------|-------------------|-----------|
| V-Guard VG 100 Voltage Stabilizer (Grey) | ₹1,879 | (1% off) | 4.5 ★ 505 ratings | Flipkart |
| Microtek EM4130 Plus Digital Voltage Stabilizer (Grey) | ₹3,195 | (43% off) | 3.6 ★ 98 ratings | Flipkart |
| V-Guard VG 50 Voltage Stabilizer (Red) | ₹1,665 | | | amazon.in |
| Pulstron PTI-5095B 5 KVA Automatic Voltage Stabilizer (Grey) | ₹299 | | | Flipkart |

Search

26°

ENG IN

09:18 28-04-2023

Best Price Comparison Website, x

vivo T1 44W (128 GB Storage, 4 GB RAM)

Search for products, brands and more

Login Become a Seller More Cart

Electronics TVs & Appliances Men Women Baby & Kids Home & Furniture Sports, Books & More Flights Offer Zone

Home > Mobiles & Ac... > Mobiles > vivo Mobiles > vivo T1 44W (128 GB Storage, 4 GB RAM)

Compare Share

vivo T1 44W (Starry Sky, 128 GB) (4 GB RAM)

4.5 ★ 1,01,642 Ratings & 6,751 Reviews Assured

Extra ₹5491 off

₹14,499 ₹19,990 27% off

+ ₹49 Secured Packaging Fee

Available offers

- Bank Offer 5% Cashback on Flipkart Axis Bank Card T&C
- Special Price Get extra ₹5491 off (price inclusive of cashback/coupon) T&C
- Freebie Get Flat ₹2500 Bonus on My11Circle T&C
- Partner Offer EMI Offer: Sign-up for Flipkart Pay Later & Get ₹500* Flipkart Gift Voucher on EMI Txn Know More

View 3 more offers

Buy without Exchange ₹14,499

Buy with Exchange up to ₹13,950 off

Enter pincode to check if exchange is available

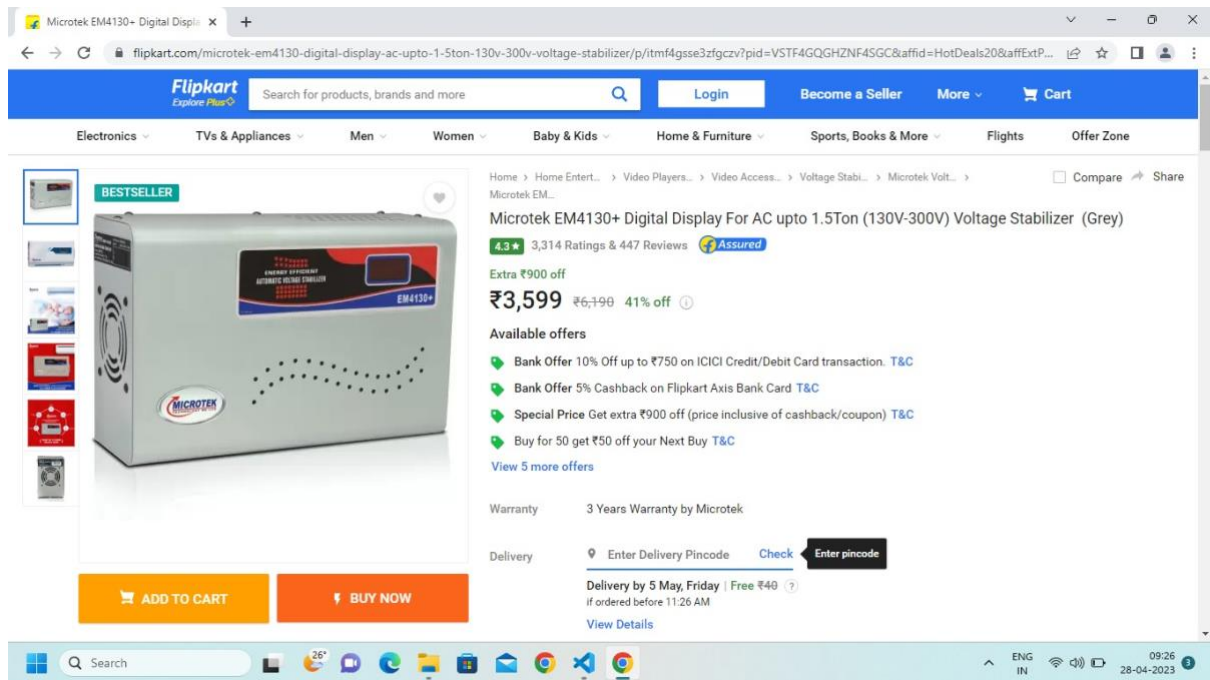
ADD TO CART BUY NOW

Search

26°

ENG IN

09:18 28-04-2023



A product and price comparison tool is a software application or online platform that allows users to compare the prices and features of products from different vendors or retailers. These tools typically aggregate information from multiple sources, such as product catalogues and pricing databases, and present the results in an easy-to-understand format. Users can often filter and sort the results based on their preferences, such as price range, brand, and product features. The main goal of a product and price comparison tool is to help consumers make informed purchasing decisions by providing them with accurate and up-to-date information about the products they are interested in, as well as the prices and deals available from different sellers.

CHAPTER 7

CONCLUSION

Users can find relevant information on the website to aid in making educated decisions. With the help of this price comparison website, the issue of working people needing to check the price before making a purchase of food products is resolved. It gives vendors a platform on which to announce current specials and promotions as well as new products. Not only this, even the ones who are confused between products can get a clear and straight closure to complete the purchase. This makes it easy for working people, as they don't have to roam or visit shops-to-shops in order to compare and buy the right product at a reasonable price. In my opinion, this is just the beginning of the growth of the product. This is a reasonable product for both consumers as well as vendors.

7.1 Need for Product and Price Comparison tool

A product and price comparison tool can be very useful for consumers who are looking to purchase a specific product. With so many products and pricing options available, it can be difficult and time-consuming to manually compare them all. A comparison tool can save time and provide valuable information that can help consumers make informed decisions.

Some potential benefits of a product and price comparison tool include:

Saving time: A comparison tool can quickly provide information on prices, features, and reviews for multiple products, making it easier to compare them all at once.

Making informed decisions: By having access to detailed information on various products and prices, consumers can make more informed decisions about which product to purchase.

Finding the best deals: Comparison tools can highlight the best deals and promotions available, potentially saving consumers money.

Increased transparency: Comparison tools can provide transparency into the pricing strategies of different retailers, allowing consumers to make more informed decisions about where to shop.

7.2 Role of Product and Price Comparison tool

The role of product and price comparison tools is to simplify the shopping process for consumers. Instead of spending hours browsing different websites and stores, consumers can use these tools to quickly compare products and prices in one place. This saves them time and helps them find the best deals available.

For retailers, these tools can also be beneficial as they allow them to compare their products and prices to those of their competitors. This can help retailers to stay competitive and adjust their pricing strategies to attract more customers.

7.3 Benefit of Product and Price Comparison tool

One of the main advantages of using a product and price comparison tool is the ability to save time and effort. Instead of manually searching through various websites or physical stores, consumers can easily access all the relevant information in one place. This can be especially

helpful for those who are looking to make a purchase quickly, or who want to compare multiple options before making a final decision.

Another benefit of using a comparison tool is the ability to easily compare features and specifications of different products. This can be particularly useful for items like electronics or appliances, where there may be significant differences in performance or functionality between models. By using a comparison tool, consumers can quickly identify which products meet their needs and which do not, making it easier to find the right option for them.

Overall, a product and price comparison tool can be a valuable resource for consumers who are looking to make informed purchasing decisions. By using these tools, consumers can save time and effort, compare features and specifications, and ultimately find the best deal for their needs and budget. However, it is important to choose a reputable and reliable comparison tool, and to consider factors beyond just price when making a final decision.

CHAPTER 8

FUTURE SCOPE

The future scope of a product and price comparison tool is promising, as consumers are increasingly relying on online shopping and are always looking for the best deals. Here are some potential areas of growth for this tool:

Integration with emerging technologies: As new technologies such as artificial intelligence and machine learning continue to evolve, product and price comparison tools can leverage these technologies to offer more personalized recommendations to users. By analyzing users' shopping history, preferences, and behaviour, the tool can provide more accurate and relevant product recommendations, as well as suggest the best deals based on the user's budget.

Expansion to new markets: Currently, product and price comparison tools are primarily focused on a few key markets such as electronics and appliances. However, there is potential to expand the tool's coverage to other industries, such as fashion, food, and beauty. This would require the tool to develop new data sources and algorithms to analyze pricing and product information for these markets.

Mobile optimization: With the increasing use of smartphones for online shopping, product and price comparison tools need to be optimized for mobile devices. This would require developing a mobile-friendly interface and ensuring that the tool's data and features are easily accessible on smaller screens.

Social media integration: As social media continues to play a significant role in online shopping, product and price comparison tools can leverage this trend by integrating with social media platforms. This would enable users to share their shopping experiences with their friends and followers, as well as receive recommendations and feedback from their social network.

Partnership with e-commerce platforms: Product and price comparison tools can partner with e-commerce platforms to offer their services to users directly on these platforms. This would enable users to compare prices and products without leaving the platform, providing a more seamless shopping experience.

Overall, the future scope of a product and price comparison tool is vast, and as technology continues to evolve, there will be many opportunities for these tools to improve and expand their services.

CHAPTER 9

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CHAPTER 10
APPENDIX

10.1 Research paper Publication

Our research paper titled “PRODUCT AND PRICE COMPARISON TOOL” has been published in International Journal of Scientific Research in Engineering and Management (IJSREM) on Volume 07, Issue 04 April 2023.

10.2 Acceptance Letter



DOI: 10.55041/IJSREM19578



ISSN: 2582-3930

Impact Factor: 8.176

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in recognition to the publication of paper titled

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published in IJSREM Journal on Volume 07 Issue 04 April, 2023

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