Price comparison website for online shopping

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Abstract:

The usefulness of Smartphone apps for regular life has grown in recent years. The primary goal of this project is to provide a simple method for consumers to check the stock and price of items on different online stores. The software makes it easy to compare prices from different vendors by letting users input product details. After then, the program searches its databases to provide a comparison of the product details from several websites. Plus, customers can stay updated on product availability and sales via push alerts, so they never miss a bargain.

I. INTRODUCTION

Cost comparison websites, which provide consumers with the information and metrics they need to compare costs across various online purchasing sites, have grown in popularity with the expansion of e-commerce. Shoppers may save both time and money with the aid of these websites since they allow them to make well-informed purchases. It may be tedious and time-consuming to manually check the prices of the same goods across several online stores in order to make a price comparison. Even though there are a lot of price comparison websites, none of them include wish list goods. Our solution to this problem is the Wish List Products Price Comparison Website, which restricts its analysis to the user's intended purchases. This website allows users to compare costs across several e-commerce platforms, and it also alerts users if the price of a product changes. This tool is great for those who shop online a lot and want to see how different stores' prices stack up against one other all in one place. By comparing costs from many vendors, this method helps shoppers locate the best deals on the items they want.

II. LITERATURE SURVEY

With the rise of price comparison services, suppliers are able to compete more effectively, which is good for customers. Books, periodicals, and newspapers were the only resources available to customers in the past when it came to researching goods and services. With the advent of the internet, however, customers may more easily do this process online while researching products and services. Search engines that allow users to compare prices are one kind of search technology that helps people discover products and services, assess alternatives, and save money on search costs. Modern price comparison sites use sophisticated tools including cost calculation, internet crawling, and user control panel enhancements. Price comparison services gather and aggregate pricing, items, and other important data from other parties, then make it easy for users to access and utilize this wealth of information.

III. LIMITATIONS

1) The application's findings cannot be more imprecise than the inputted data.
2) An active internet connection is required for this program to function correctly.
Thirdly, the software could act strangely if users don't input the right data.

IV. PROPOSED SYSTEM

A computerized method is being suggested since the present system has detected abnormalities. Only the user will have access to the suggested system. The system that compares the costs of things that customers are looking to buy is termed a wish list product price comparison site. Among the system's advanced features are the ability to compare prices across many online retailers and the ability to get price changes notifications for items in a user's wish list. Regular online shoppers will find this site especially helpful as it compiles pricing from several online stores into one convenient spot.
The program will show the user costs from several stores so they may get the best deal on the thing they wish to purchase. The user will be notified by the system whenever the product price is changed.
Part A: Benefits
1) More people are able to shop at cheap rates.
Using this approach saves time 2.

It is possible for many people to gain from attending therapy sessions online.

V. OBJECTIVES AND LIMITATIONS OF THE CURRENT WORK

Online shopping has exploded in popularity, giving customers access to a plethora of sites offering a wide range of products at various costs. Price comparisons among stores are essential for making educated purchases. Buying a wide range of things has never been easier than with the help of online shopping sites. With this system's sophisticated functionality, users may be notified whenever the price of certain goods they have put to their wish list increases. This website enables users to compare costs from numerous stores in one place, which is very useful for regular internet consumers.

The technology aggregates product pricing from many shops to help consumers get the best deal for the things they want to start purchasing.

VI. PROBLEMS AND DRAWBACKS OF CURRENT SCENARIO

I. Issues

1) Customers will have the option to create a wish list for things they are interested in buying on this website. The website will then compile all of the pricing for these things from different online stores and provide them to you in one convenient location.

Also, there's a fancy function on the site that lets you know when the price of an item on your want list goes up or down. Users will find it simpler to stay updated on pricing changes and take advantage of them because of this.

3) This technique is great for frequent online consumers who wish to compare costs from several online retailers in one convenient location. In addition to helping them conserve energy, it will save them the trouble of having to actively look for the best deals. The technology aids customers in finding the best deal on items by displaying pricing from several stores.

I. Negatives

1) Online price comparisons are the first thing consumers do when they want to purchase something.

Two, you may find the identical things sold at different costs on different online stores.

Thirdly, comparing costs from several websites used to be a laborious process.

4) When prices change, the system notifies users by comparing them across different e-commerce websites.

Regular internet shoppers will find this approach useful since it allows them to compare costs from several stores in one convenient location.

6) Customers are greeted by an intuitive interface that presents all the necessary information.

7) The present method is not user-friendly, inaccurate, or easy to maintain.

These difficulties are intended to be addressed by the proposed system. be ready ahead of time and make plans appropriately for this situation.

VII. METHODOLOGY

Multiple methods exist for collecting research data; one of them is the use of oral interviews, which have applications in both theoretical and applied fields. Oral interviews are one kind of data collection used in management studies for the purpose of conceptualizing change management and operational planning. For information systems projects to be considered successful, they are required to follow a series of steps called the System Development Life Cycle (SDLC). Every step of the software development life cycle (SDLC)—from initial concept to finished product—includes planning, analysis, design, and implementation. Software is used to examine and provide pertinent findings while designing a project's process.

One CDLC model is the SSADM, which uses a step-by-step approach with analysts and users systematically completing and evaluating each stage before moving on to the next (Hevner, 2004).
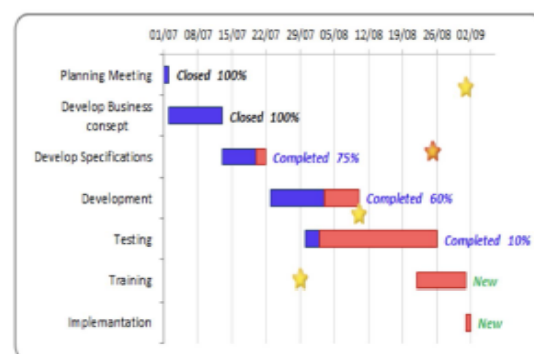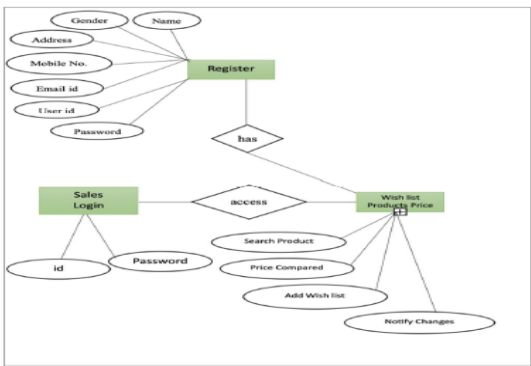

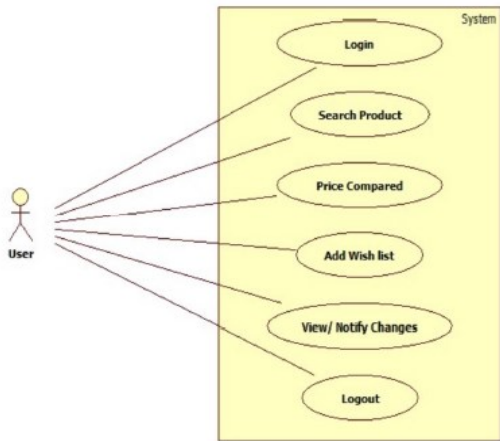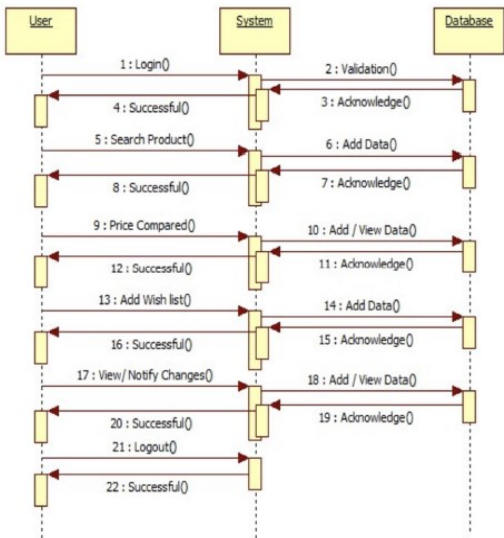Fig-1: Gantt Chart.

Fig-2: E-R Diagram
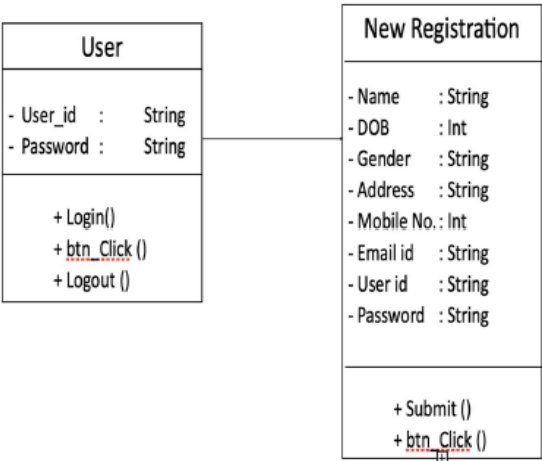

Fig-3: Use Case Diagram
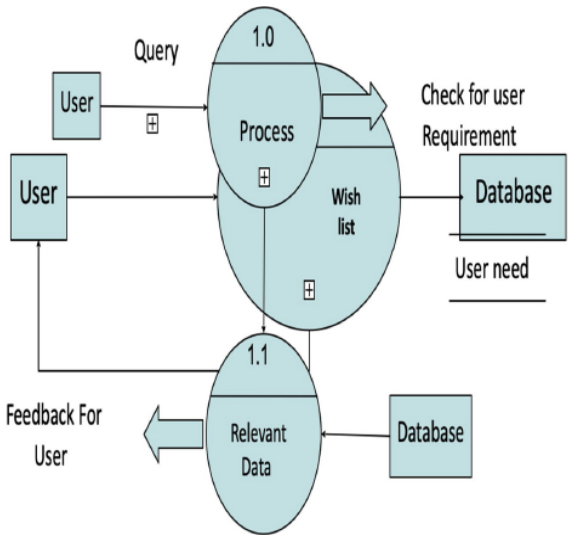

Fig-4: Sequence Diagram

Fig-5: Class Diagram

Fig-6.1:Data Flow Diagrams

Fig 6.2: Data Flow Diagrams

VIII. FEATURES

A. Load Balancing
B. Easy Accessibility
C. User Friendly
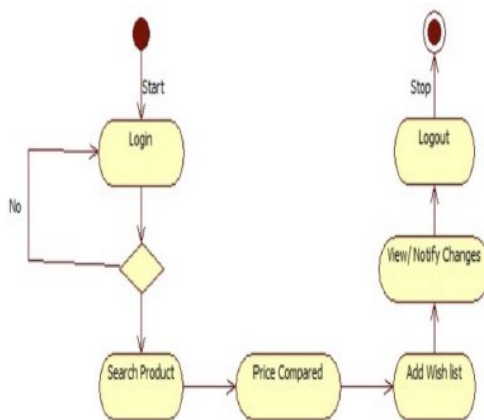D. Efficient and Reliable
E. Easy Maintenance

Fig-7: Activity Diagram

IX. CONCLUSION AND FUTURE SCOPE

The "Products Price Comparison" system, built using Django and Python, is now live and available to the public. Our team put in a lot of time and effort to develop this system. We hope the end result brings the users a lot of joy, and we're very pleased with it. Nevertheless, we are receptive to any potential changes or upgrades in the future, as there is always space for improvement in development projects. Thanks to this project, we have gained a wealth of information about the development industry. We are certain that this expertise will serve us well going forward.
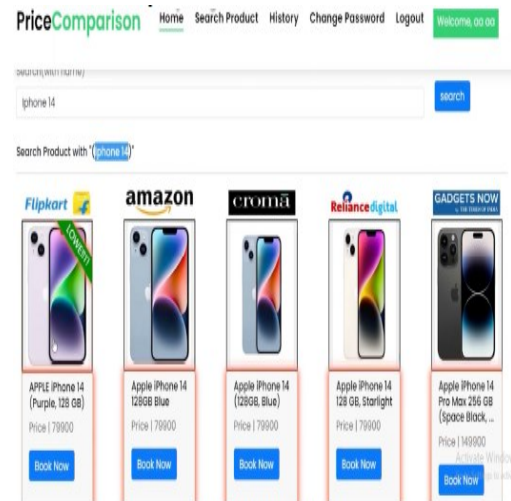

Fig-8: Application User Interface

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