Introduction

(definitions) Everyone usually likes to buy the cheapest one when they want to buy one kind of products.

(problem) The problem is that it takes a lot of time for people to compare product’s price from different stores or websites.

(solution) So, we design this project to help people compare product price in a different store.

With our product database, people can easily search the product and get product information in a short amount of time from our website, the information may contain the price in each store and some product detail information.

(motivation) Our project help people save time and money, they just need to search and decide what product they want and how much they can accept after comparing each kind of product in different store’s price, (so they will never too much for the same product).

(format) The rest of the proposal includes a definition of the problem, our solution, and motivation.

Problem Definition

Nowadays, shopping has become easier and people have to thanks for the internet, search the product on Amazon or some other website, you can find all kind of product easily, you can either shop online or go to the grocery store.

Everyone must have the experience once or twice, when you bought something from one store, and maybe few days later, you find the same product with a much cheaper price in other store, and it is so annoying.

Maybe you forget to check the price on the other website, maybe the discount just expired, and you miss it, people need to check on different website for product, promotion, all kind of information of the product, it could take a lot of time or waste your money.

There are a few comparison shopping search engines exist, such as Google Shopping, NexTag, PriceGrabber, they all can compare the price of one product from different stores or website.

(reference: [www.google.com/shopping](http://www.google.com/shopping), [www.nextag.com](http://www.nextag.com), [www.pricegrabber.com](http://www.pricegrabber.com))

Google Shopping is perhaps the largest and best-known comparison shopping engine, look like Google search, but with some of filter (price range, seller).

NexTag has much more detail of your searching result, you can filter it by category, price range, brand, seller.

PriceGrabber is similar to NexTag.

There still have improvements can be done to these three comparison shopping engines, which is to add more other feature onto it, such as keeping track of product history price, price change, promotion, etc.

Problem Solution

The project will make user easier to find the products’ information and compare with the price for different stores.

This product will be a website that can search for prices and more information about the products.

The project will generate the detail information for the detail in every include store. For example, user can search a product by keyword like 'shampoo'. And every include brand for shampoo will display. User can find which store contain that specific product and prices in different stores.

Motivation

Why people need our solution?

Since people usually spend a lot of time in searching and looking for the product that they want to buy, our project helps them save time and cost to find the product fast. And people only search the key word in our project and get useful information about the product like the price and where to purchase.

**What makes our project unique?**

Our project can compare many different stores’ or brands’ price and find which product in the store or brand is the best one and the cheapest one in a very short amount of time.

Emphasize what your project contributes or achieves?

Our project saves a lot of time and cost to let people find what they wish to purchase fast and find the nearest location for people. At the same time, our project can promote sales in a way and help the product sell better and collect useful evaluation from users to help the product be improved better by the store and the brand.

Conclusion

It is annoying to find out you pay more money for the same product, but it happens again and again when we go shopping, forget to check this store, miss the promotion. It always costs a long time to search for product price then compare. That’s why we are proposing this project to give people another option to do all this thing in a short amount of time, simply search for the product, and we will get the price, product information from different store website to do the comparison for user.

Time-line:

ERD - Wednesday, Oct 10th

Initial (logical) relational model - Wednesday, Oct 17th

Initial draft design – Wednesday, Nov 07th

References

Google Shopping: [www.google.com/shopping](http://www.google.com/shopping)

NexTag: [www.nextag.com](http://www.nextag.com)

PriceGrabber: [www.pricegrabber.com](http://www.pricegrabber.com)