



# Price Sharing Application

# Smart Shopper

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# Introduction

Online purchasing becomes a trend for shoppers in 21<sup>st</sup> Century, it helps shopper more easily to find the best deals online. A lot of applications of online purchasing have been performed in the App market. However, those application are lack of the function of price comparison.

Considering this problem, our group developed a supermarket price sharing application with the technique of barcode scanning on the Android platform. It enables users compare prices from popular supermarkets without going anywhere

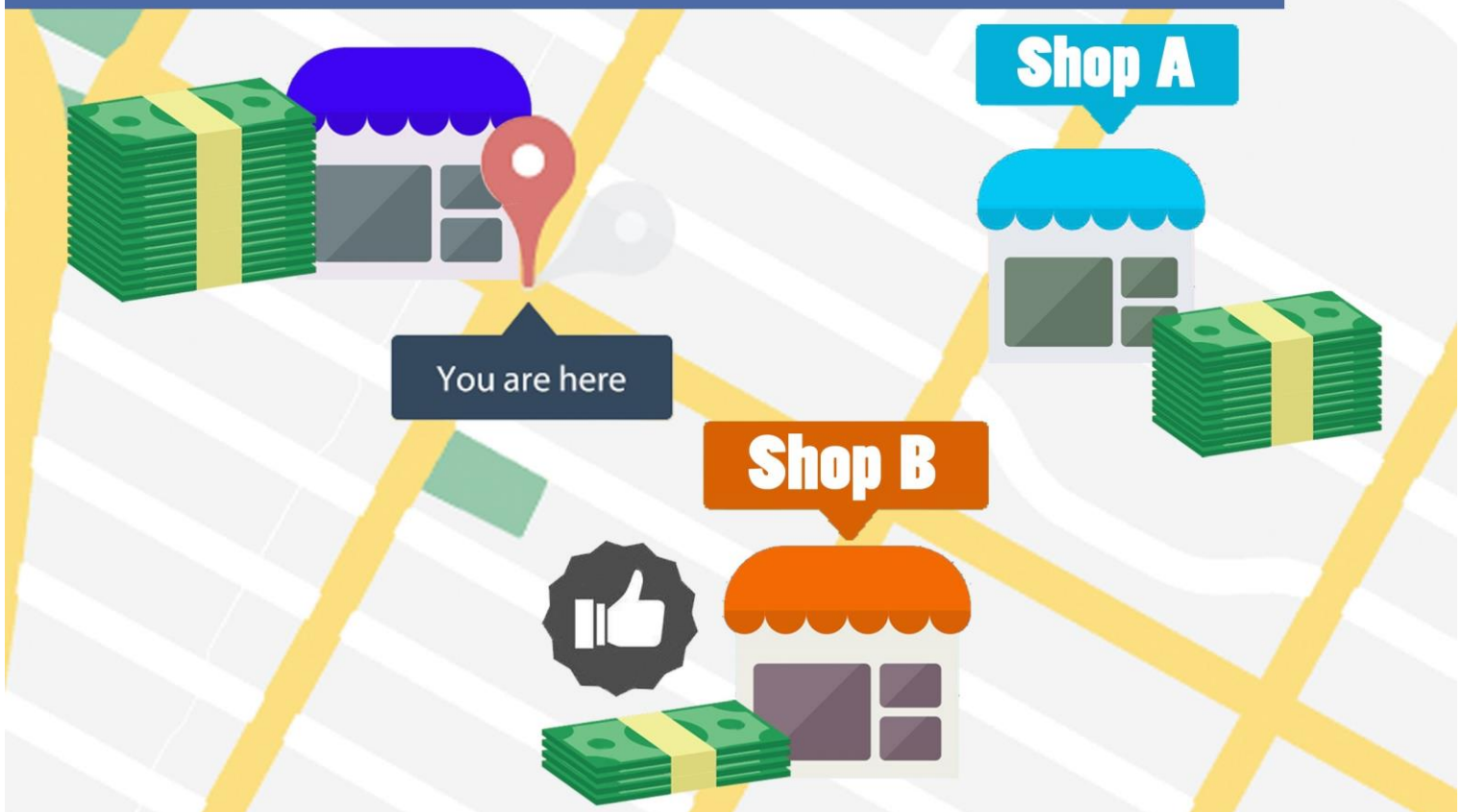


## Objective

- Price Comparison
- Item Search
- Barcode Scanning
- Data Grabber
- Best Bargain Price
- Historical Price Chart
- Shopping Cart

## **Goal:**

**Find the lowest online deal for all your purchases!**



# System Architecture

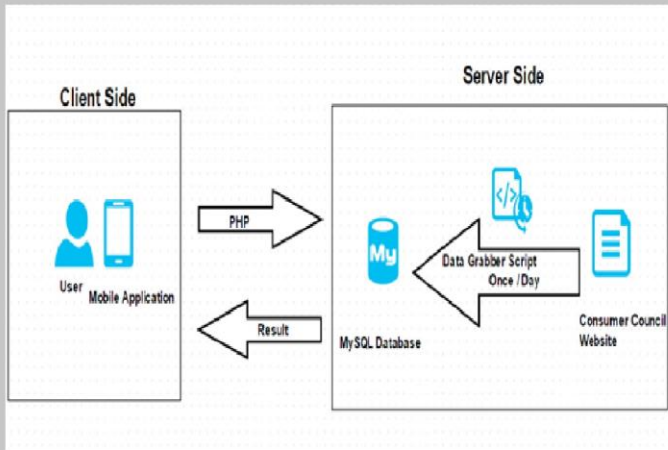


Figure 1. System Architecture Diagram

# Data Grabber

Consumer Council have designed a comprehensive price sharing website. However, contents of this website is too small to read in mobile devices. We grabbed the data from this website every day to form our database

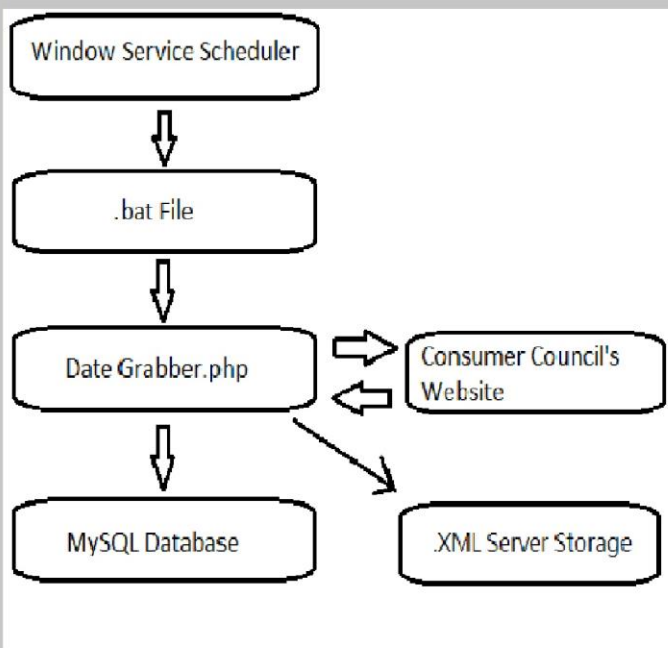


Figure 5. Data Grabber Model

# User Interface

We designed a user-friendly user interface for user to search or scanning the barcode for products. Scroll view design can convenience users to view more information.



Figure 2. Home Page



Figure 3. Scroll view of product categories



Figure 4. Scroll view of Best Bargains

# Barcode Scanning

After tapping the camera icon at the top right corner, the barcode scanner will be activated.



Figure 6. Barcode Scanner



## Map Data

### Store Location

After tapping the button "Location" in the home page, the store location of the user and two popular supermarkets in Hong Kong will be shown.

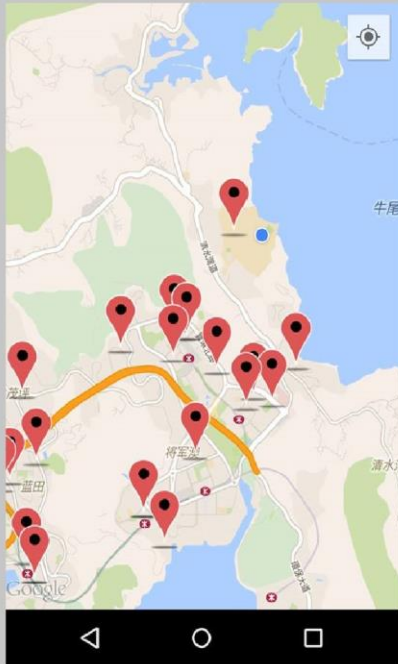


Figure 9. Store Location

## User Interface

### Production Information Page

It shows the production information with prices offered by different supermarkets. The historical prices chart will also be shown in this page. Users can



Figure 7. Product Information Page



Figure 8. Historical Price Chart

## Conclusion

We developed a supermarket price sharing application on the Android platform to convenient shoppers from the feature of price comparison.

We accomplished our objectives successfully. We hope this supermarket price sharing Android app can achieve our goal of "Find the lowest online deal of products in supermarket for shoppers who purchase in Hong Kong."