Price Sharing Android Application

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Introduction

Due to worsening inflation, more and more Hong Kong citizens compare products' prices before making any purchases. People commonly compare prices by looking at advertisements or by visiting physical retail stores. Advertisements are mainly produced by supermarkets, which may be biased. Stores often claim that their products are the cheapest, but nobody actually knows if it is the truth or not. Although visiting different retail stores and manually comparing prices is the most accurate and reliable method, few people have time to do it. What people really need is an unbiased source of daily price data that makes it easy to compare prices.

Our goal in this project was to develop a mobile application called "Super Price Watch". This is a price sharing application, which provides the newest price information of products in Hong Kong supermarkets. Users can also share their views and rate products. With this application, Hong Kong people can find the cheapest and useful goods conveniently and quickly.

Objective

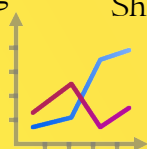Search product price

Data Grabber

Barcode Scanning

Share
Facebook Sharing

Shopping Cart
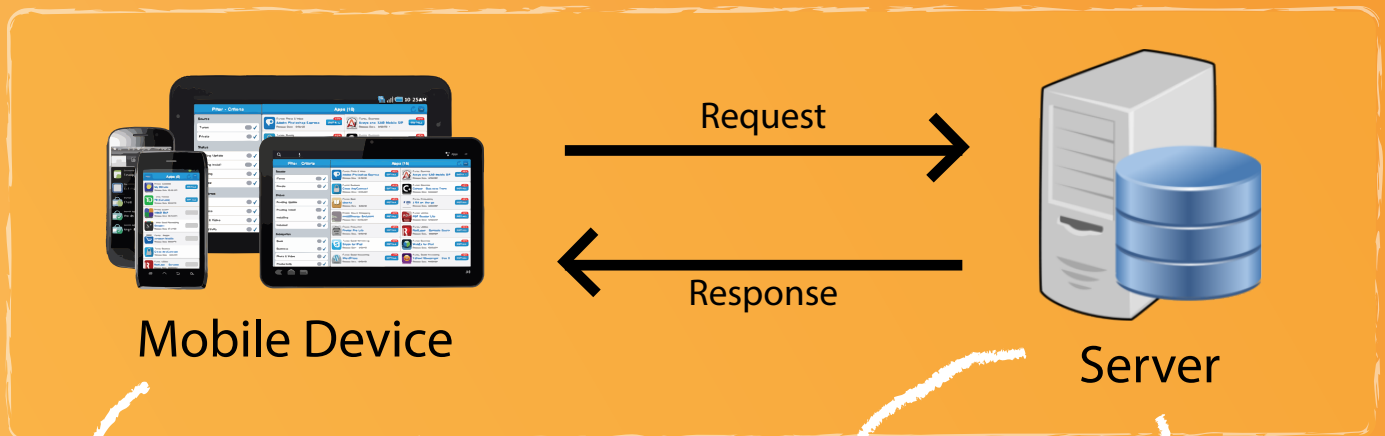
Comments

GUI
Graphical User Interface

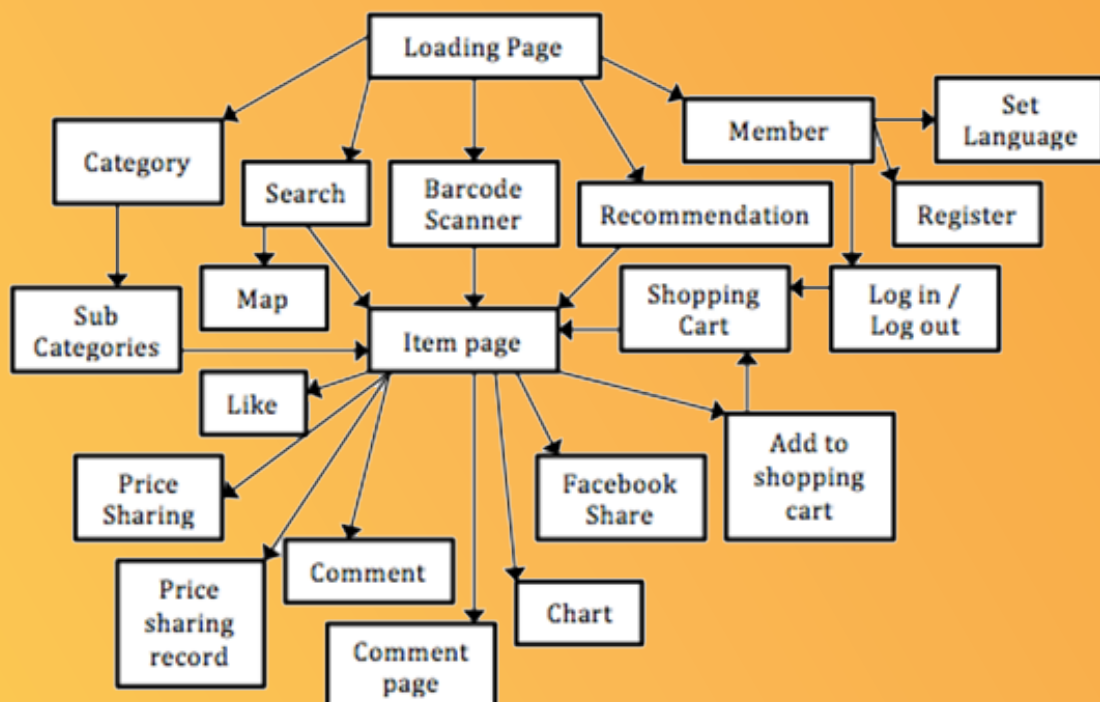Price Comparison Chart

Member

Shop Location

System Architecture

Mobile Device → Request → Server
Server → Response → Mobile Device

Data Grabber

Java + Jsoup

Database

MySQL + Jdbc Helper

Mobile Application

Loading Page

Category
Search
Barcode Scanner
Recommendation
Member
Set Language
Register

Sub Categories
Map
Item page
Shopping Cart
Log in / Log out

Like

Price Sharing

Price sharing record

Comment

Comment page

Chart

Facebook Share

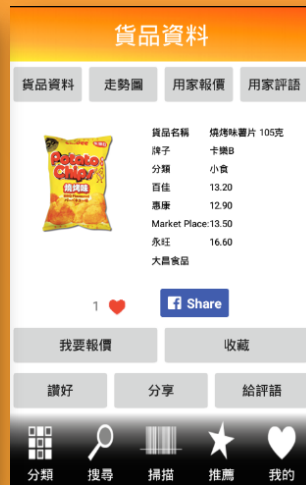Add to shopping cart
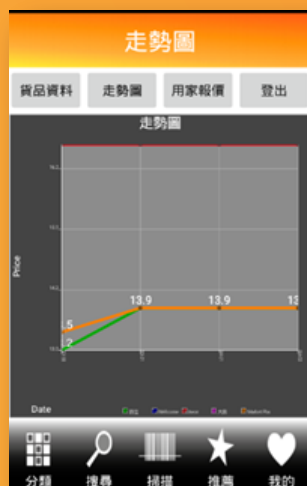
User Interface

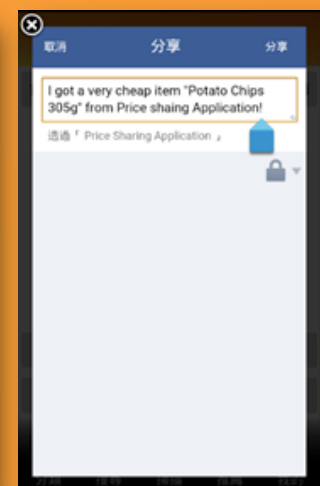Category

Item page

Shop Location

Chart

Scan Barcode

Facebook Share

Conclusions

In our project, we designed and implemented a user-friendly price sharing android application. The target users of the application are mainly household user and even grass-rooted citizens who want to keep an eye on the latest and the best offer from supermarkets.