



Mobile Web Application for Grocery Budget Planning

Abstract

Grocery shopping can be a real hassle, especially for shoppers with specific preferences, or an interest in saving money. In recent years, the basic shopping list has evolved into a variety of tools and mobile applications, each with different improvements over the classic pen and paper version. In this project, a mobile web application that consolidates all the available information and tools into a single, intuitive shopping assistant and providing price comparison across different items and stores. The effectiveness of this solutions will be evaluated by analyzing through online surveys and data gathered from willing users on the effects of the proposed system on their habits and spending. This mobile web application will have the potential to benefit everyone who grocery shops, in particular those people with financial concerns.

Objectives

1. To design and develop a mobile web application which allow user to manage their grocery list.
2. To help users to budget for their grocery spending based on time period and maximum limit.
3. To suggest to the users, the best price for a set of products, and the location of the store.
4. To promote savings to user while shopping for groceries.
5. To include an interactive system which allows users to create, manage and manipulate the list as needed.

Product Description

The Grocery Budget Planning Application is an application which help user to organize and keep track their shopping list in their mobile devices. This application help user to accordance on the budget that have been allocated for grocery expenditures based on particular month.

Features in Grocery Budget Planning Application:

1. **Shopping list:** view list, add list, delete list, update list, view item, add item, update item and delete item.
2. **Budget:** view budget, add budget, delete budget and update budget.
3. **Store:** view store list and find store
4. **Price:** compare price of item
5. **Location:** find location
6. **Summary:** view budget monthly expenses

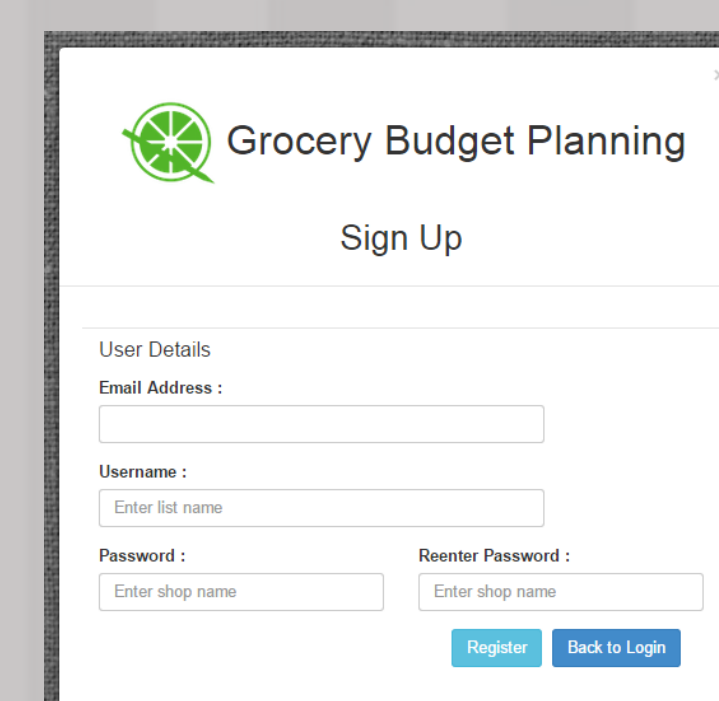
Product Invention

- This application allow user to manage their grocery shopping list effectively without overspending.
- User can check and compare existing item prices in the shopping list created across different stores.
- User also can insert certain amount of budget they wish to allocate for grocery expenses in particular month while using this application.
- This application helps user to make better budget estimation while buying groceries.

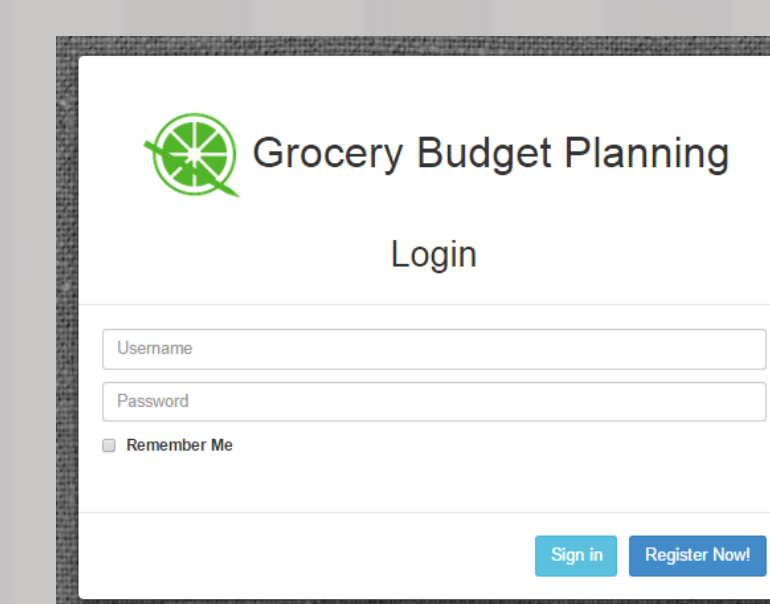
Commercial Potential

- Grocery Budget Planning Application may become one of the best platform for groceries retailer and companies in Malaysia to reach their customers if they provide online grocery shopping sites.
- Grocery Budget Planning Application also have the potential to become like Trivago which are the best online site that compare price of hotels.
- Online grocery shopping is the next big thing in Ecommerce. Thus, Grocery Budget Planning Application will play an important roles to help companies increasing their revenue.

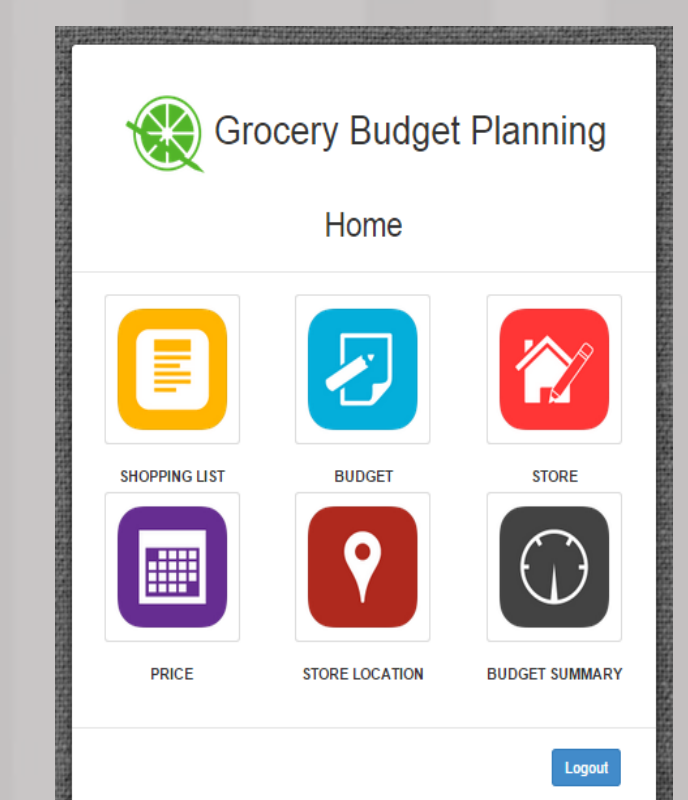
Screenshots of Application



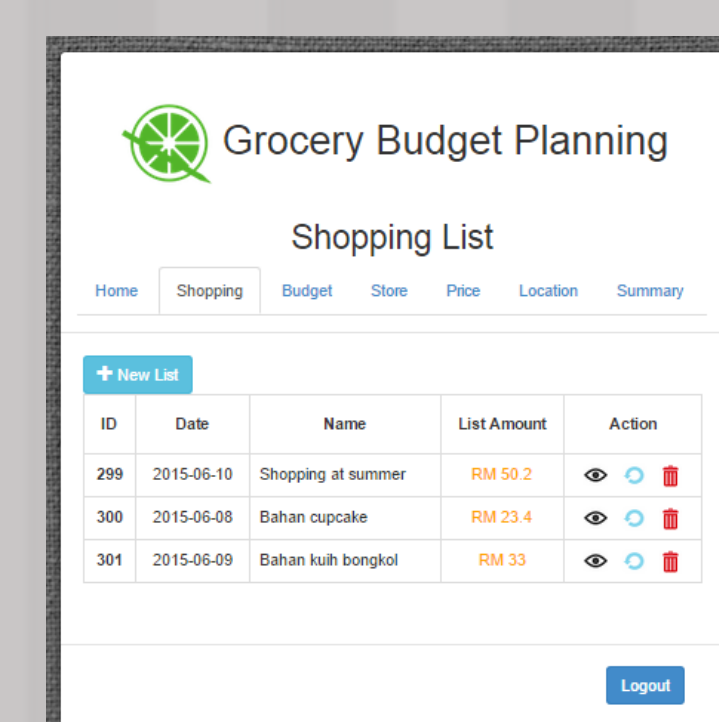
1. Register



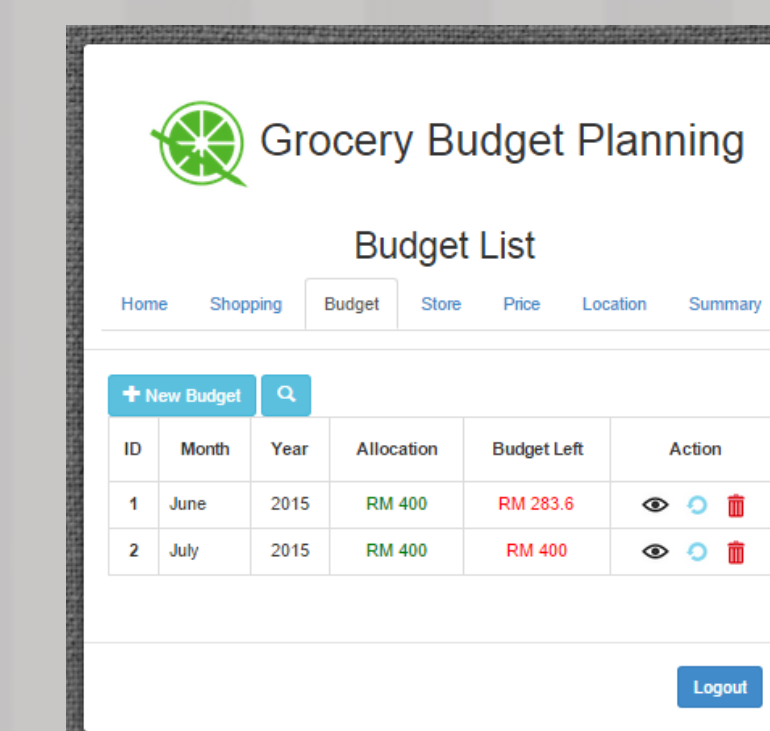
2. Login page



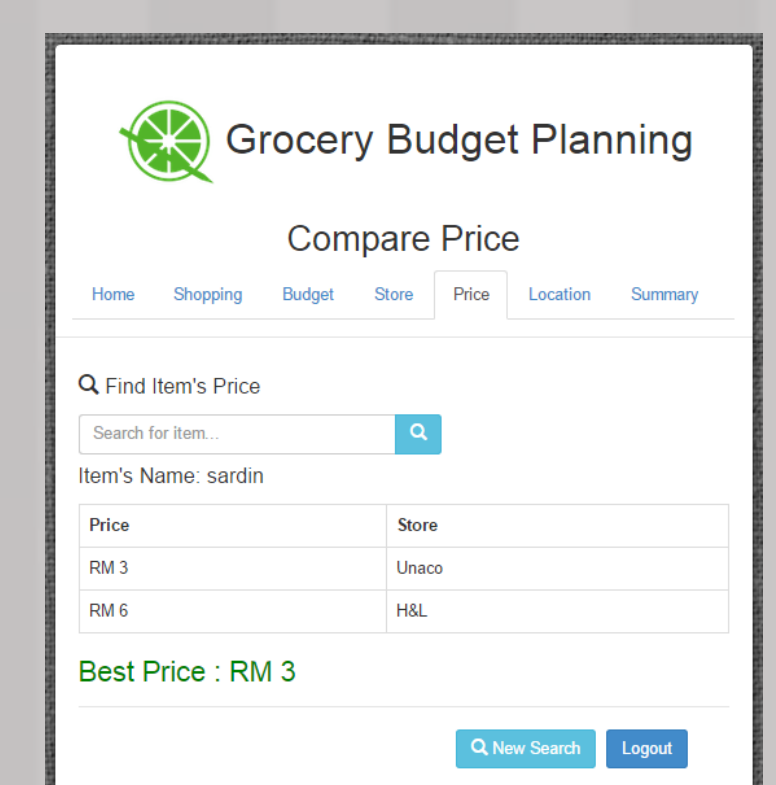
3. Home page



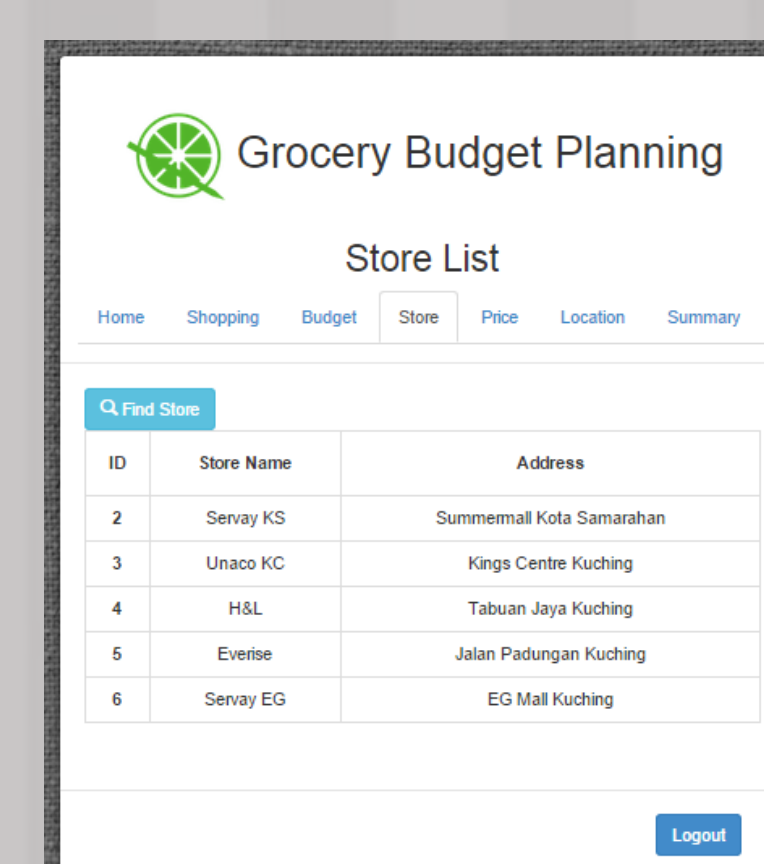
4. Shopping list



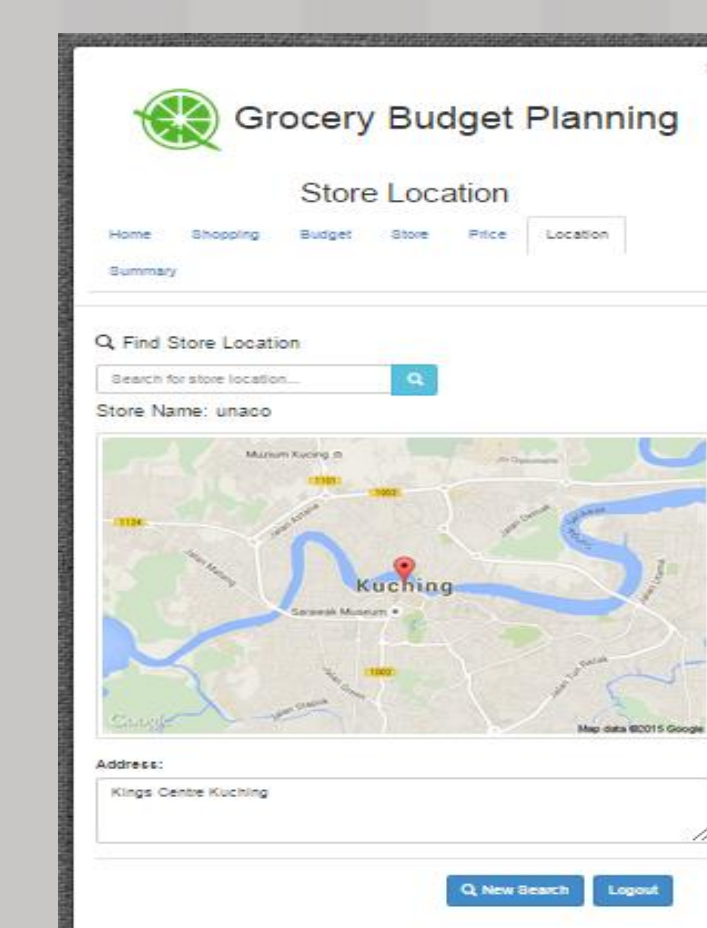
5. Budget



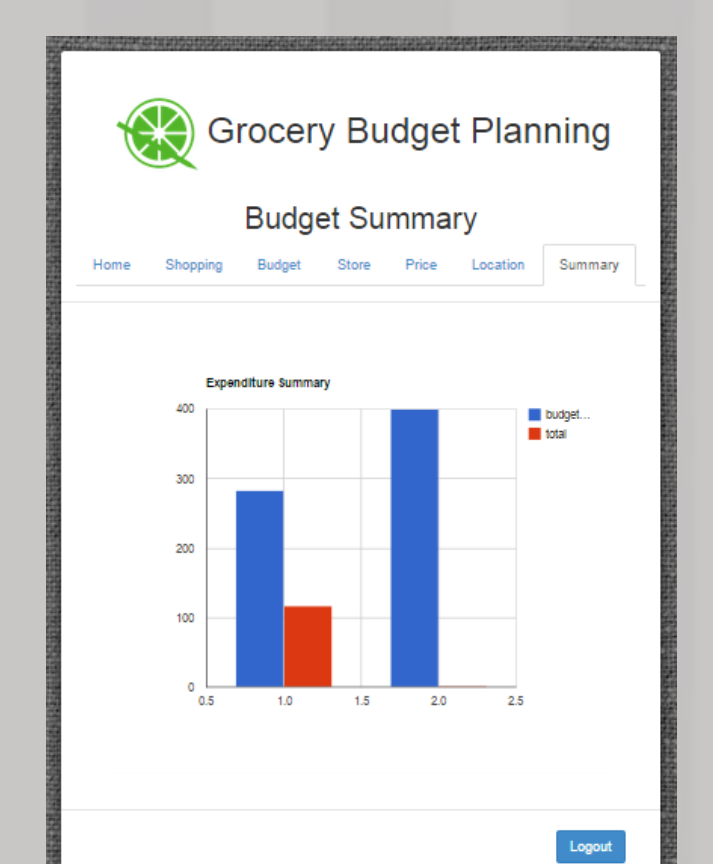
6. Compare price



7. Store list



8. Location



9. Summary