Requirement specifications

Developing a mobile application :

Smart Shopping List

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Plan

1. General context

The main context about developing a smart shopping list application is to facilitate the creation of a personal customisable list of our needs from the market ,giving the user the ability to select and choose the products he needs all with specifying the price for each list . Helping us to not lose any information while or after writing a list . Help people create shopping lists easily and make updates to prices and best offers during shopping sessions.
Optimise shopping run in distance and price

2. Problematic

With the shopping list applications available on the apps stores, A simple shopper can't have a whole idea about

- All the products currently present in the market.

- Real-time Visibility for the products prices and the discounts periods and places.

3. Objectives

-An application cover all the products currently in use in all over the shops and stores markets in the local market.
-The user can get the last info about all the products availability and price with a real-time Notification .
-Offering for user the best nearby markets to buy from , depending of his region (Geolocalisation) or help him to organize a shopping trip.
-Assist the user to buy or not the product in case there are better options in the market.
-User-Experience: An easy to use application.

4. Requirement specification:

1. Functional specifications:

The application must meet the following functional requirements:

Users :
- Manage the shopping lists
- Search/Add products to shopping lists
- Edit the products any time (price , amount)
- Add New Products.
- Change the information (price , amount) about a products in case there is changes happened in the market with using 2 methods :
  - Scanning the product identifier(Barcode ,QR code) and suggest it to admin.
  - Edit it manually and suggest.

- Share the list they already create or other's Lists between each other.

- Create private Group and invite any person to share his listes

- Create lists of shopping .

- Possibility of creating an account.

- Scan the ticket after the shopping

Admin :

- The admin will take the editing or the information as consideration after the changes of information with the users

1. # Non-functional Requirements:

- Performances: -the application must be Quick in terms of real-time actions.
- Usability : Easy to use -->Easy to understand -->Simple.

- Reliability: Users have to trust the system, even after using it for a long time

- The application will Detect the emplacement of the user using the Google Mapping and GPS features

- Notify the user with an estimation of last   Products prices nearby His Region.