**Revision History**

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| --- | --- | --- | --- |
| **Version** | Date | **Description** | Author |
| 1 | 27 January 2015 | Draft Pending Changes from Other Members | Philip |
| 2 | 27 January 2015 | Add Constraints | King |
| 3 | 28 January 2015 | Revise product overview | Hadi |
| 4 | 28 January 2015 | Revise grammar and layout | Philip |

**Introduction**

Grocery pricing currently varies wildly based on variables such as supply, demand, and the availability of substitute items. We envision a web application that will allow an end user to compare the price of a grocery item based on geographic location. Other features include the ability to crowdsource grocery prices, and add and remove grocery items from a geographic region based on availability.

**Problem Statement**

There is currently no way for a grocery consumer to compare prices within a geographic region. This application will fill that void with a reliable geographically-based comparison engine and crowdsourcing features.

**Product Position Statement**

With the spread of online shopping, people are still checking more than one website to find the right product for them. This application is for grocery consumers who want to price check items. There is no competition.

**Market Demographics**

Our target demographic is any consumer that wants to price check grocery items within a geographic region. We will start with the Cincinnati metro region and then expand based on initial first run results.

**Use Cases Overview**

* Users are able to search items
* Users are able to sort items by price
* Users are able to login
* Users are able to add items
* Users can update item information
* Users are able to delete items
* Users are able to update their account​
* Users are able to delete their account​

**Key High-Level Goals**

* The ability to price match based on geographic region
  + Priority: High
* Users can add items to a geographic region's catalog
  + Priority: High
* Users can edit items in a geographic region's catalog
  + Priority: High
* Users can delete items in a geographic region's catalog
  + Priority: Medium

**Key User-Level Goals**

* User: Login to catalog
  + Priority: High
* User: Manage account
  + Priority: Low
* User: Add/Modify/Remove geographic region catalog items
  + Priority: High

**Product Overview & Feature Summary**

A user will be able to visit the application with a web browser. From the homepage the user will be able to search and compare prices based on a geographic region, which will direct them to a page that lists results based on distance of user’s location. Also user has ability to sort item by price. Moreover, user can add item but must then log in to the app. Users are able to edit or delete their profile from the user portal.

**Other Requirements and Constraints**

The web app will be made to use responsive design techniques.