

## Logic process

### User

- Users will use the site if they regularly purchase groceries and are interested in finding the best deals. The user will find themselves at the login page and either choose to log in, register, or continue as a guest. If they are using the site as a one-time event to see only the price of an item across stores, then they will likely continue as a guest user. They will then proceed to search for their item, and compare prices.
- If the user is planning on using the site regularly when purchasing groceries they will likely take the time to register (or log in if they already have an account). They will then search for items, compare prices, log new prices, and make and view comments. This user will use the site both while in the store and before going shopping to determine where they can get the best prices.

### Admin

- An administrator will be able to use this site as a registered user would (search for items, add items, log prices, etc.) but can also moderate and view site activity. This includes disabling (or enabling) users, deleting comments, and accessing a log of price changes, item additions, and comments. Administrators are not responsible for keeping prices accurate or entering data, this is a user-run site. They may use the activity monitor to ensure comments are respectful and review either abnormally high or abnormally low logged prices. They may also use this information to disable users, for example, if a user continuously reports obviously incorrect prices or publishes hateful comments, they will disable the user to ensure the integrity of the site.

## Design and styles of all pages

### *Profile (admin and user)*

- I used a 2 column layout for both profile pages, putting the user's info (email, username, and full name) on the left. To the right is either the alert page if you are a general user, or a return to main site button if you're an admin. I wanted the profile page to remain simple, and also provide information that is user specific (such as their alerts for price tracking). For the admin, they have no data pertaining to themselves, therefore I added a return to main site button that will allow them to use the site as a general user. I used a 2 column layout so the user is able to see all of the information on the page without scrolling.

### *Search(user search for admin and item search for user)/Explore page(Hot Items)*

- For the user search, item search, and explore page, I used the same two-column layout, with results of the search/list of items on the left, and a column on the right to provide further details about an item if the user clicks on the "see more" button. I did this to avoid having to re-direct the user to a new page when they want to see an item in further detail and to allow for more search results to appear on the initial page. This reduces scrolling and allows the user to quickly switch between items without reloading the page.

#### *Add an item*

- I wanted the add an item page to be its own page in order to make it as simple as possible. The simple form increases the likelihood of users adding items (integral to the site's functionality).

#### *Activity monitor (admin)*

- The activity monitor is designed to provide administrators with a snapshot of recent site activity including comments and price adjustments. This makes monitoring for inappropriate comments and inaccurate price logs much easier. A two-column layout once again reduces scrolling and allows the user to see more results on a single page.

### **Client Side Validation**

- Client-side validation is used in all the entry forms on the site (including login and registration). For login/registration, a user must enter a valid email address and cannot leave the password field blank. For the add an item form price and weight and number fields. I used dropdowns where possible to prevent user error. Log price and track price fields are also number fields. For the add-an-item form, all fields will be required for submission except the item description.

# SITE MAP



