This is Fresh

Fresh is the hottest crowd-sourced grocery store price reporting app around!

The Fresh Team

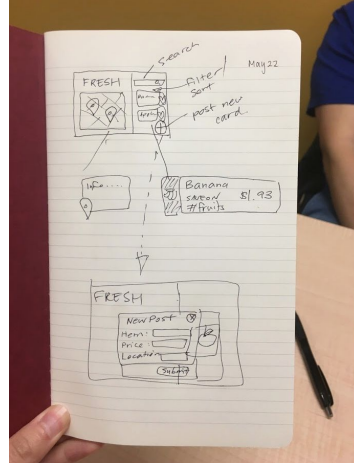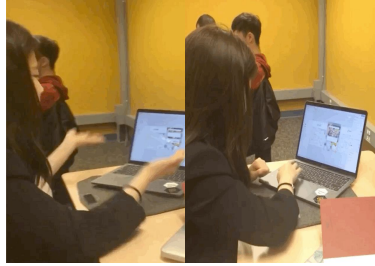Yao Liu

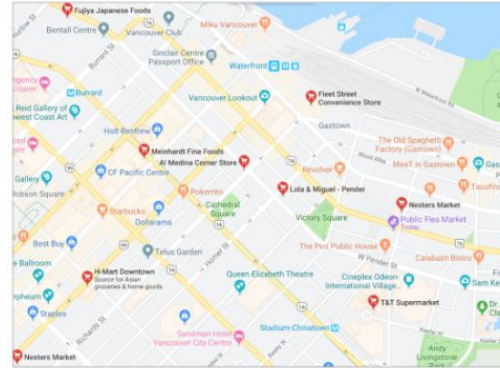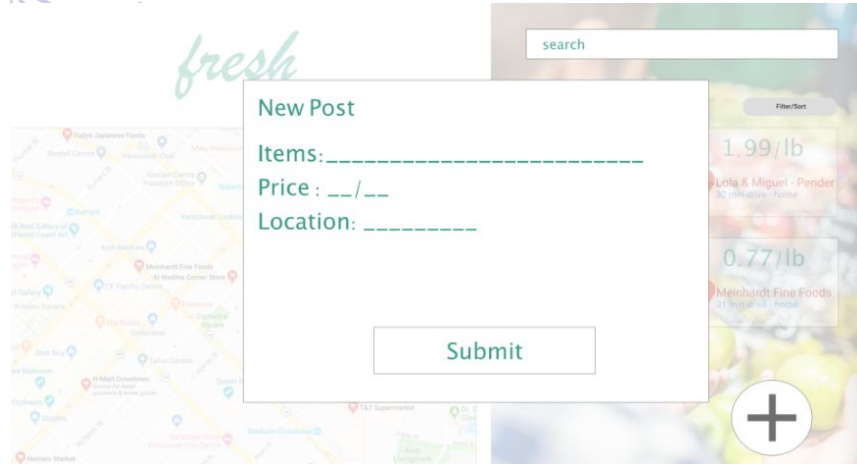
Nicole Li

Erica Choi

The Fresh Beginning

Fresh Stack 📚

- **HTML/CSS/Javascript**
- **React/Redux/Meteor.js Frontend**
- **Meteor.js Backend**
- **MongoDB Atlas database**
- **Continuous Deployment on Heroku**

```
_id: "ZY9pmuQ9QHn9ek8Za",
name: "Bananas",
price: 0.66,
unit: "per lb",
createdAt: "2019-08-06T02:51:39.819Z",
rating: 0,
imageSrc: "/images/Bananas.png",
location: {
  address:
    "Real Canadian Superstore, Number 3 Road, Richmond, BC, Canada",
  coords: { lat: 49.1793194, lng: -123.13849299999998 }
}
```
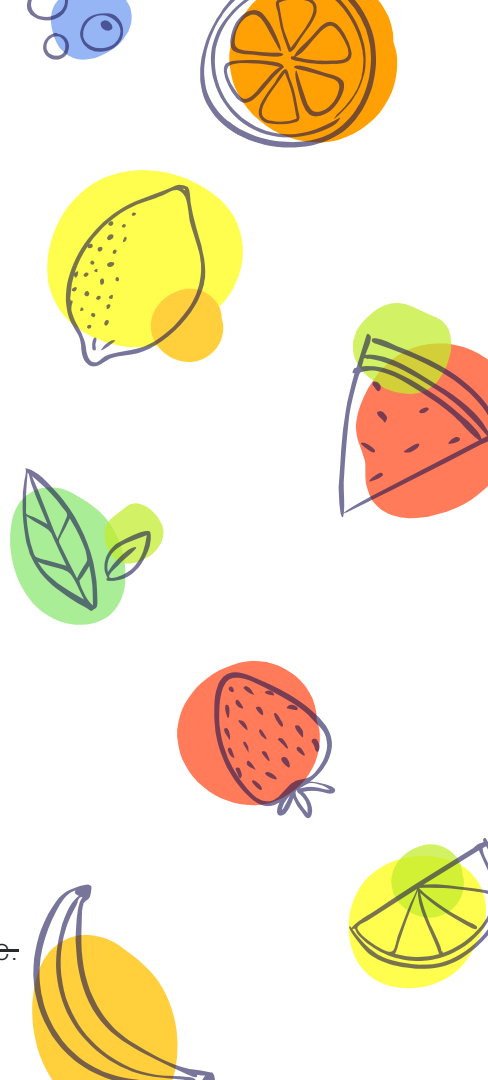
Fresh Goals ✔️

Minimum Requirements

- Users can view all the posts.✔
- User can make a new post to report the price and location for a grocery item.✔
- Users can search for a grocery item.✔

Standard Requirements

- User can make a new post with images.✔
- User can sort on grocery item prices in list view.✔
- User can see posts on a map.✔
- User can see posts in list view.✔
- User can leave thumbs up/down for approval.✔

Stretch Requirements

- User can create shopping lists using the posts items.✔
- ~~User can watch an item and get notified when prices are lower than their set price.~~

Walkthrough 🍌

Yao is craving for some bananas.

He's going to use the Fresh site to some cheap bananas and rate the deal.

Walkthrough 🛍️

Nicole found a deal. She's going to log onto Fresh and post to let the world know!

Walkthrough 📝

Erica needs to get some groceries. She wants to make a shopping list and buy some fruits.

A challenge encountered 💣

Problem → Item cards took forever to load, if they even did.

Diagnosis → Attempting to display the uploaded images saved as an encoded   string was timing out the database.
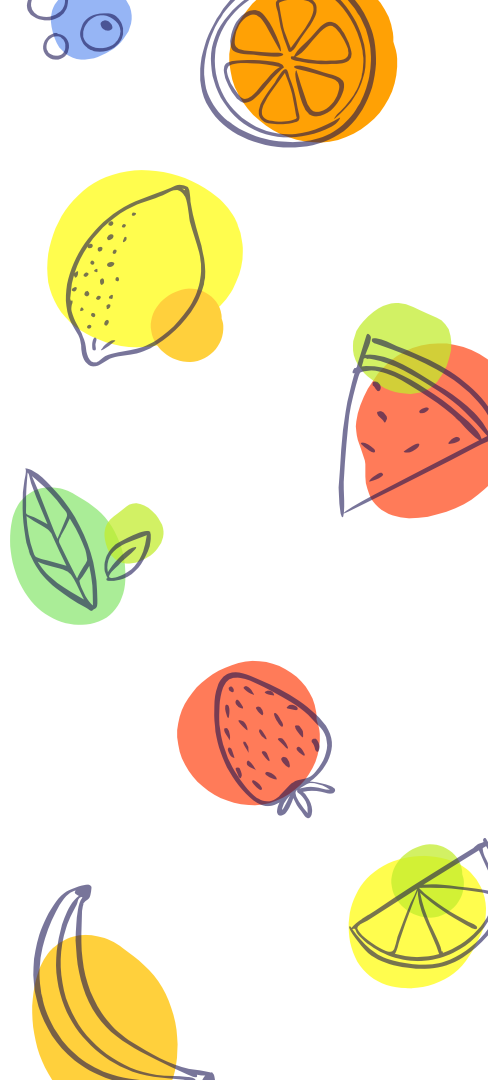
Actions we took → We knew this started happening after the image upload feature was added. We isolated the problem and investigated through the developer console and realized it was our database timing out.

Result → Instead of uploading image directly, first create a canvas and shrink the uploaded image to the smaller canvas which is then saved in the database. 6MB images were shrunk to ~200kb.
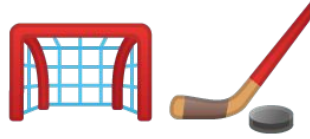
Fresh is Super Cool 🏆

- Maps API
- User accounts to log-in, save and edit shopping lists.
- Sending emails using Gmail's SMTP

Future Goals 🥅🏒

- Add the ability to watch for deals.
  - get notified on cheaper deals
- Mobile Integration
  - Use mobile location to help report deals
- Use image recognition to help report the item and prices

Stay Fresh!