

Emily, Michael, Satyam

NYC Fresh Finder

Healthy food made easy in NYC



Story

Imagine you're a parent living in the city trying your best to provide healthy food for your family.

The only options are expensive corner stores with no fresh produce, and supermarkets are difficult to get to by bus/train.

You want to feed your family nutritious meals but don't know where to shop.





Our Solution/ Product Definition

That's where **NYC Fresh Finder** comes in.

Our site helps to empower communities with real-time data on **food access, affordability, and resources**, making it easier to find healthy, affordable food options.

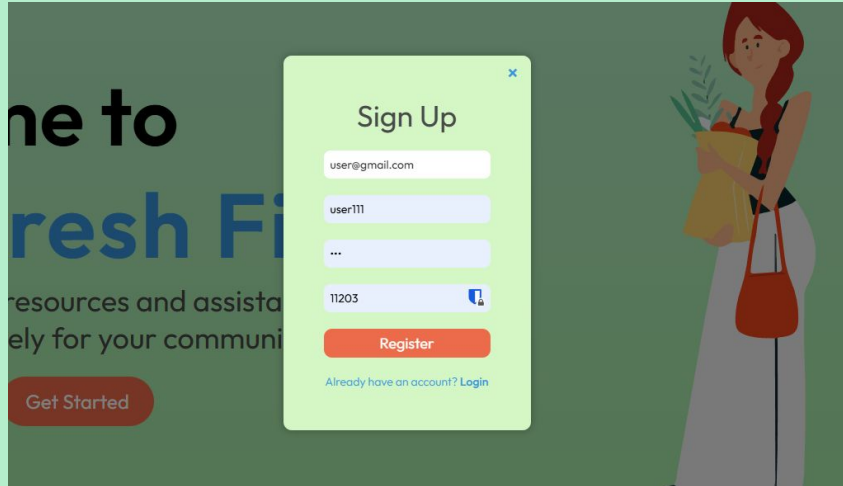
By highlighting **food deserts, price trends, and community programs**, this website helps people make better food choices and improve overall well-being.

Project Walkthrough


<https://nycfreshfinder.com/>

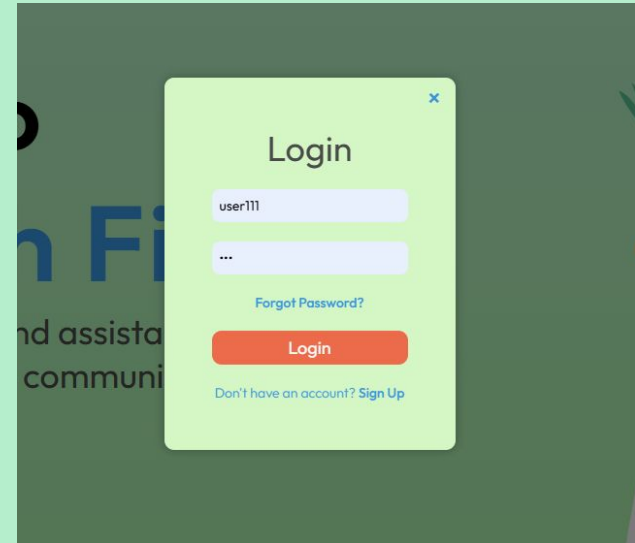


User Sign Up and Login



The background illustration shows a woman with red hair in a braid, wearing a black top and a grey skirt, holding a yellow shopping bag with green plants. The sign-up form is a light green modal with a close button (X) in the top right corner. It contains the following elements:

- Sign Up** (Title)
-
-
-
- 
-
- [Already have an account? Login](#)



The background illustration shows a yellow shopping bag with a black bottle and some red and orange items. The login form is a light green modal with a close button (X) in the top right corner. It contains the following elements:

- Login** (Title)
-
-
- [Forgot Password?](#)
-
- [Don't have an account? Sign Up](#)

Map View + Reviews Page

Food Search

Discover nearby food resources and assistance programs such as pantries, farmers' markets, supermarkets, and more.
Just enter your Zip Code or Borough

Locations near 11222

PANTRY

Address: 136 MILTON STREET, Brooklyn, 11222

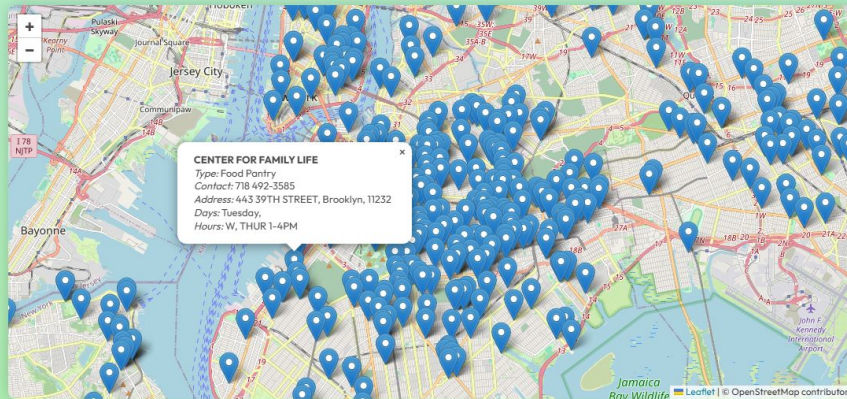
Rating: ★★★★★

McGolrick Park's Down to Earth Farmers Market

Address: Russell St. & Nassau Ave. (center of park), Brooklyn, 11222

Rating: ★★★★★

Q 11222



CENTER FOR FAMILY LIFE

Reviews

Create Review

Michael

11/16/2025

Price: ★★★★★ Quality: ★★★★★

Very welcoming, great meal packages for families

Create Review

Your Name:

User

Price:

★★★★★

Quality:

★★★★★

Comments:


Share your experience...

Submit Review





User Submitted Food Item Cards



HomeMapAnalysisCompareResources

Search for a food item...

Min Price: \$0.00

Max Price: \$5.00

Add New Item

Apples

- Price: \$2.99
- Location: Whole Foods Market - Gowanus

Edit

Bread

- Price: \$3.50
- Location: Key Food - Park Slope

Edit

Greek Yogurt

- Price: \$2.99
- Location: Trader Joes - City Point BKLYN

Edit

Bananas

- Price: \$2.99
- Location: Trader Joes - City Point BKLYN

Edit

Milk (1 gal)

- Price: \$4.19
- Location: Key Food - Park Slope

Edit

Eggs (Dozen)

- Price: \$6.49
- Location: Whole Foods Market - Gowanus

Edit

Orange Juice

- Price: \$4.59
- Location: Cosco - Sunset Park

Edit

Rice (5 lb bag)

- Price: \$3.99
- Location: Trader Joes - City Point BKLYN

Edit


Add New Item

Omega-3 Eggs (Dozen)

5.29

Wegmans - Brooklyn Navy Yard

Add Item



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Additional Resources Page



NYC Fresh Finder

[Home](#)

[Map](#)

[Analysis](#)

[Compare](#)

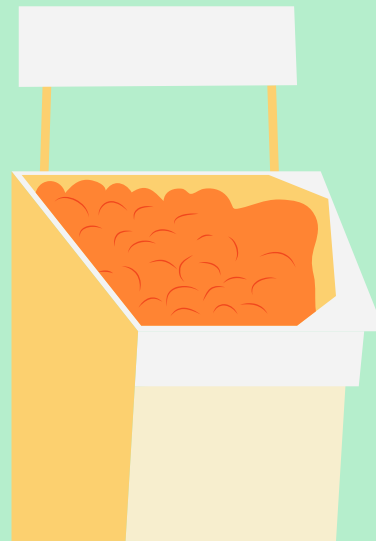
[Resources](#)

Community Resources

Find local food initiatives and assistance programs (gardens, free-meal programs) to support your community's access to nutritious food options.

Links

Connect to essential food assistance programs like SNAP, WIC, and more.

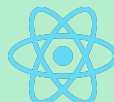
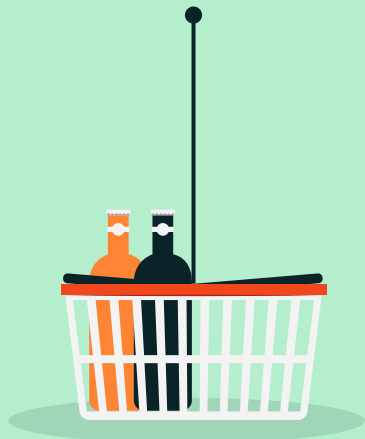


Software Packages and Technologies

Front-End Technologies

HTML, CSS, JavaScript, Leaflet.js

- UI Development
- Responsive Design
- Interactive Map



Back-End Technologies

Node.js, Express.js, PostgreSQL



- API and Server-Side Logic
- Data Storage (Reviews, Locations, Users)
- User Authentication



Data-Analysis Technologies

Python (Pandas, NumPy, Geopandas)



- Price Comparison
- Heat map locating food deserts
- Highlight affordability based on income level



Ethical Considerations

- **Misinformation** – Item cards aren't verified, so information can be wrong
- **Data Security** – Data security so that user info is protected from malicious attacks
- **Accessibility** – Language support so that people who don't speak English are able access it



Work Distribution



Emily

Data Analysis/Front-Development, Project Lead

Sourced, cleaned, and formatted food data

Implemented Maps

Led project planning and team meetings

Michael

Back-End Development

Designed and built Database, Created
API's, Built server side logic

Satyam

Front-End Development

Created original UI prototype design

Worked on front-end UI

Implemented front-end features (adding
reviews, item cards)



Challenges and Lessons



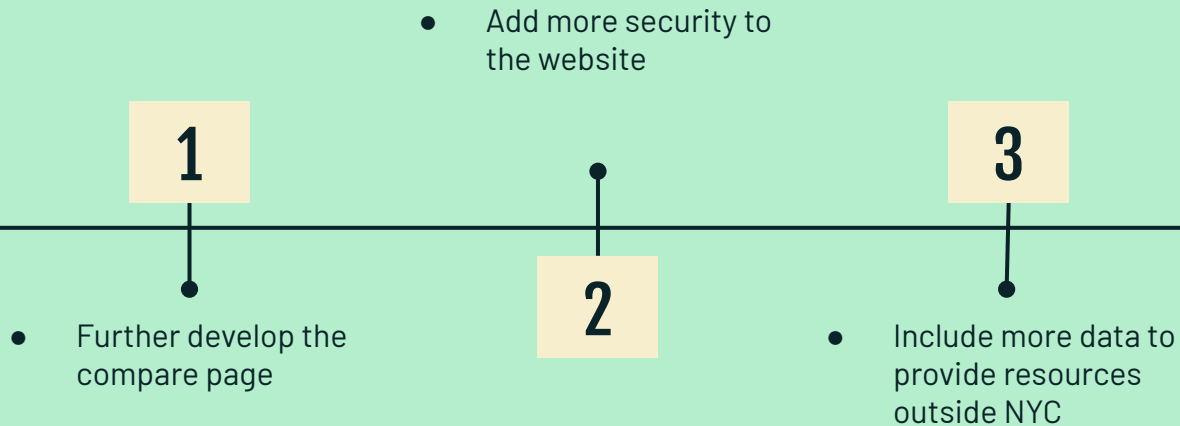
❖ Time Management:

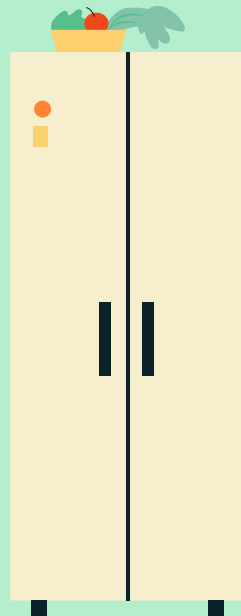
- We thought we had a lot more time than we actually did, so there was a time crunch in the last few weeks to implement remaining core features and fix any bugs.

❖ Issues with Data:

- We originally planned certain features with the assumption of having more data than what is actually available, so we had to spend extra time for a workaround.
- We were able to repurpose our planned features to work around not having certain data.

Next Features

- 
- 1
 - Further develop the compare page
 - 2
 - Add more security to the website
 - 3
 - Include more data to provide resources outside NYC





THANK YOU!