FOOD SAVER

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Description and Purpose of Software System

Purpose:

- Give food providers a chance to sell their soon to expire food items, limiting waste and increasing profits for said provider.
- Give customers a way to get food for cheaper by bing food nearing their expiration date.

Description:

- Allow registered food providers sell their expiring food at a discounted cost
  - Can edit the food costs and other item information as well as add and delete such items.
- Customer can search, filter, and sort these items and view their information
- Customer can buy items online to pick up at the store

Targeted Users

Buyers:

- People that are budget-conscious or attentive with their money
- Environmentally conscious people trying to avoid wasting food and usable resources.
- Low-income people
- Although available to everyone, middle to low income people will benefit from this application even more.

Sellers:

- Store owners that wish to avoid needing to throw away food because it's expired and still want to make some money off of it.

- Upper Class
- Middle Class
- Working Class
- Lower Class
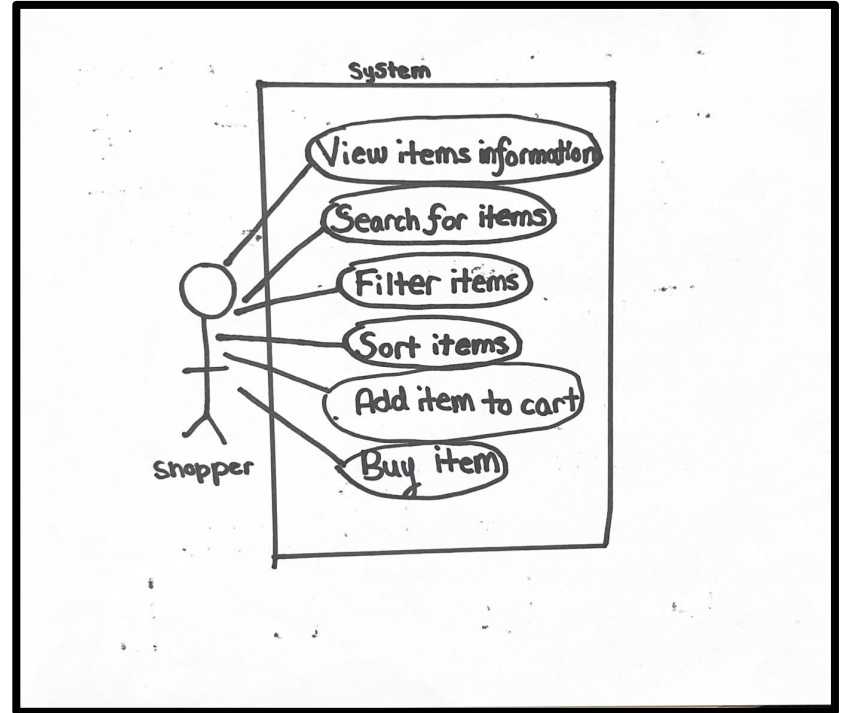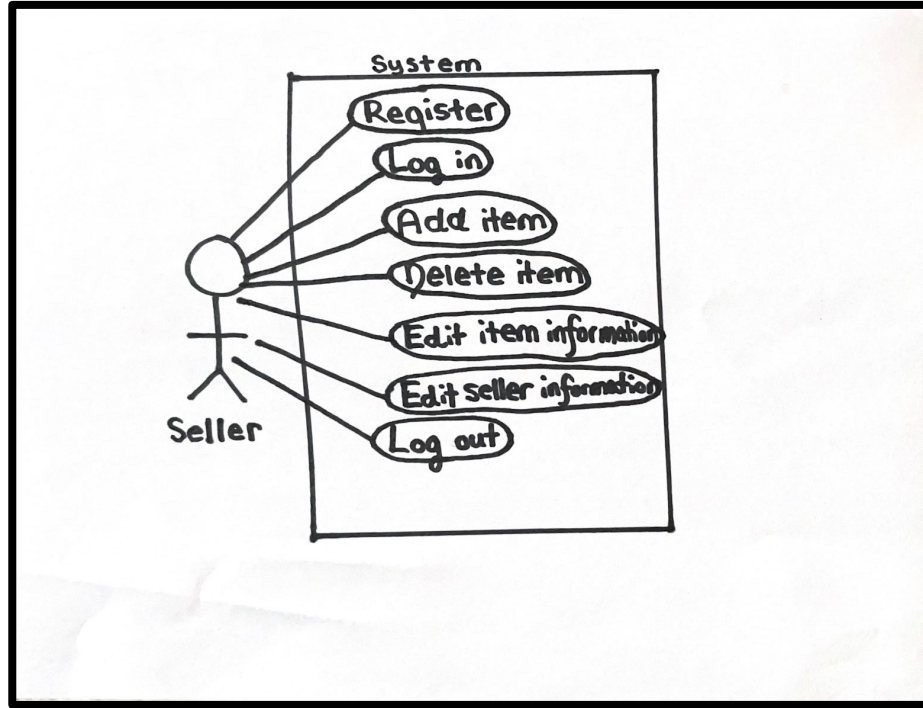
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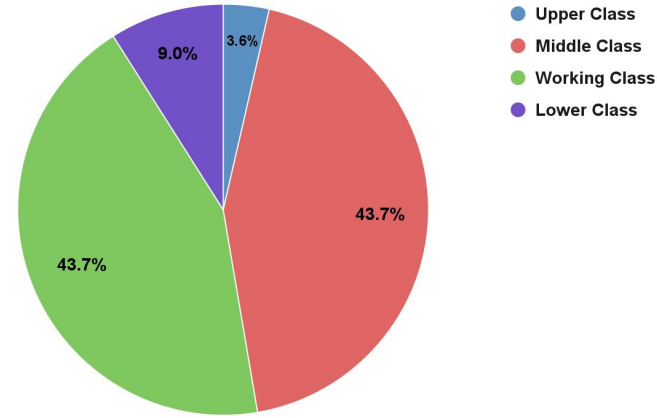
Technical Platforms

- Front-End:
  - HTML
  - CSS
  - JavaScript
  - PHP

- Middleware
  - Python

- Back-End
  - MySQL
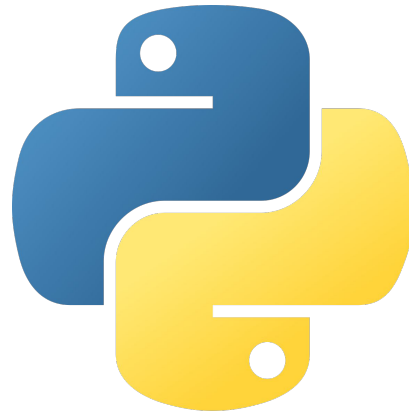
UML Use-Case Diagrams

The seller must register and login to alter items meanwhile the shopper can simply view such items on display while filtering through them.

UML Sequence Diagram

Use case: User applying filters to view only items matching certain filters.

1. Customer enters filters on the web page
2. Web page sends filters to middle layer
3. Middle layer requests matching item information from the database
4. Database returns matching item information
5. Middleware returns this data to the front end
6. Items are displayed to the customer
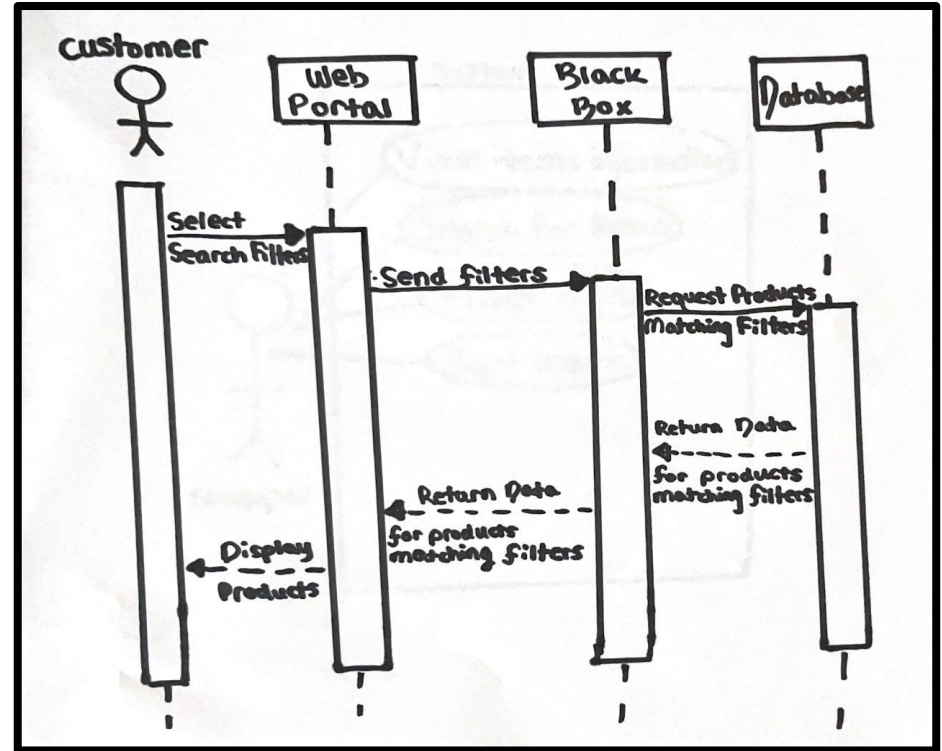
Process Flow – Wireframes

- Wireframes are shown here to represent the process flow of our HTML pages.
- Starting from the home page, there are two paths: buyer and seller

Homepage

Logo

Welcome to Food Saver!

Are you a… ?

Buyer

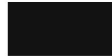Seller

Process Flow – Seller POV

Login

Seller Registration

Logo

Login

Username:

Password:

New User?

Logo

Register

Username:

Password:

Confirm:

Store Name:

Store Address:

Seller Dashboard & Listing

Seller Dashboard & Listing

Seller Dashboard & Listing

Dashboard

Logo

Current Listing

Item	Price
<text>	<price>
<text>	<price>

Account Information

Store Name: Rosie's Bakery
Store Address: 123 Seaseme St
Account Holder Since: 2023

_____

Change Store Name:
Change Store Address:

Add Food Item

Logo

Add Items

Item Name:

Type:

Exp. Date:
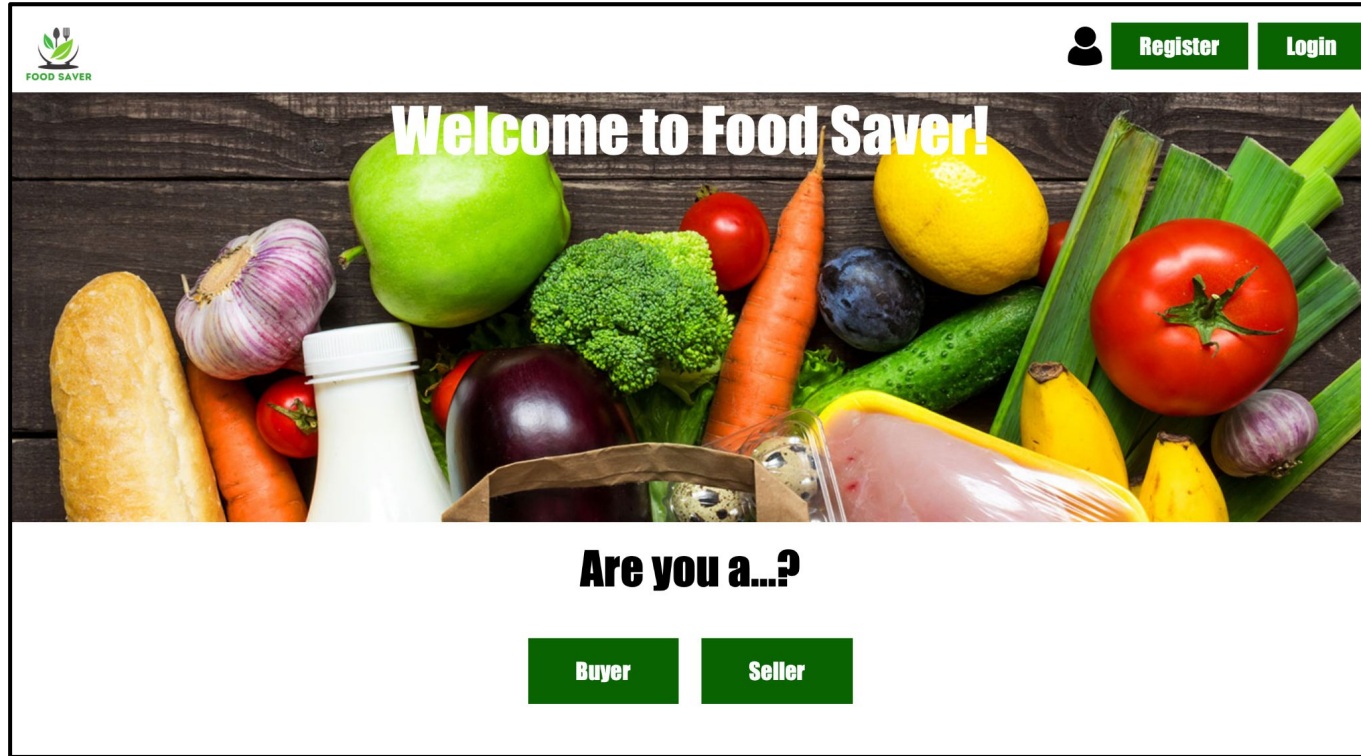
Unit Price:

Quantity:

Process Flow – Shopper POV

Shopping/Listing Page

Food Saver

Logo

Filter

Items

Sort by:

Checkout/Cart

Logo

Billing Information

Your Cart

Billing Address

Zip Code

Card Number

Expiration Date

CVV
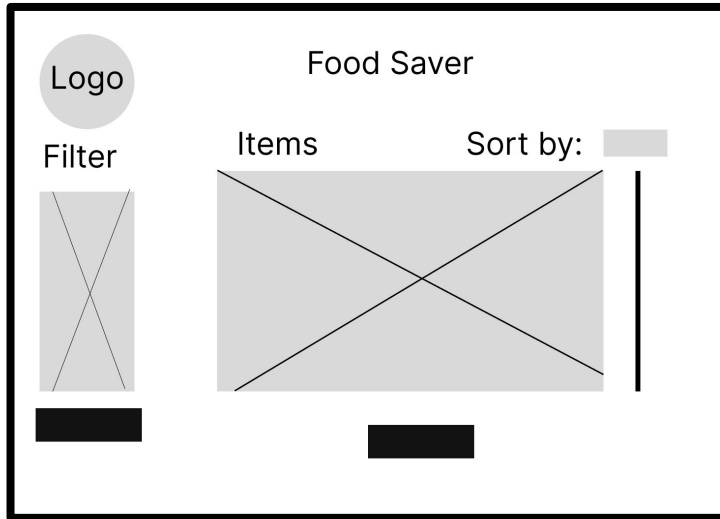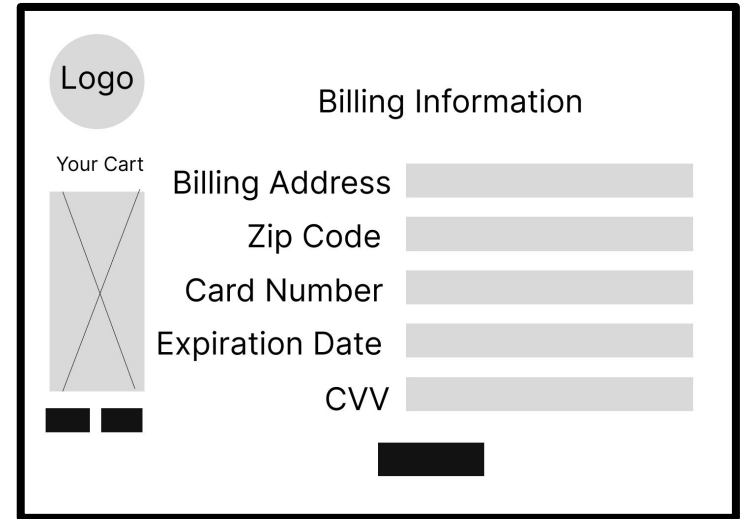
HTML HomePage

This introductory page queries the user of "Buyer" or "Seller"; this option initiates the appropriate path to take.

HTML Page 1 - Seller

The "Seller" path initiates with this page; the food provider must login with appropriate credentials, or they may be a new user.

HTML Page 2 - Seller

If the food provider is a new user, they must register with their information.

HTML Page 3 - Seller

Current Listing

Cinnamon Toast Cereal $1.00

Edit

Canned Baked Beans $2.75

Edit

Crunchy Peanut Butter $1.99

Edit

Delete Selected   Add Item

Account Information

Store Name: Rosie's Bakery
Store Address: 123 Sesame St.
Account Holder Since: 2023

Change Store Name:

Change Store Address:

Submit
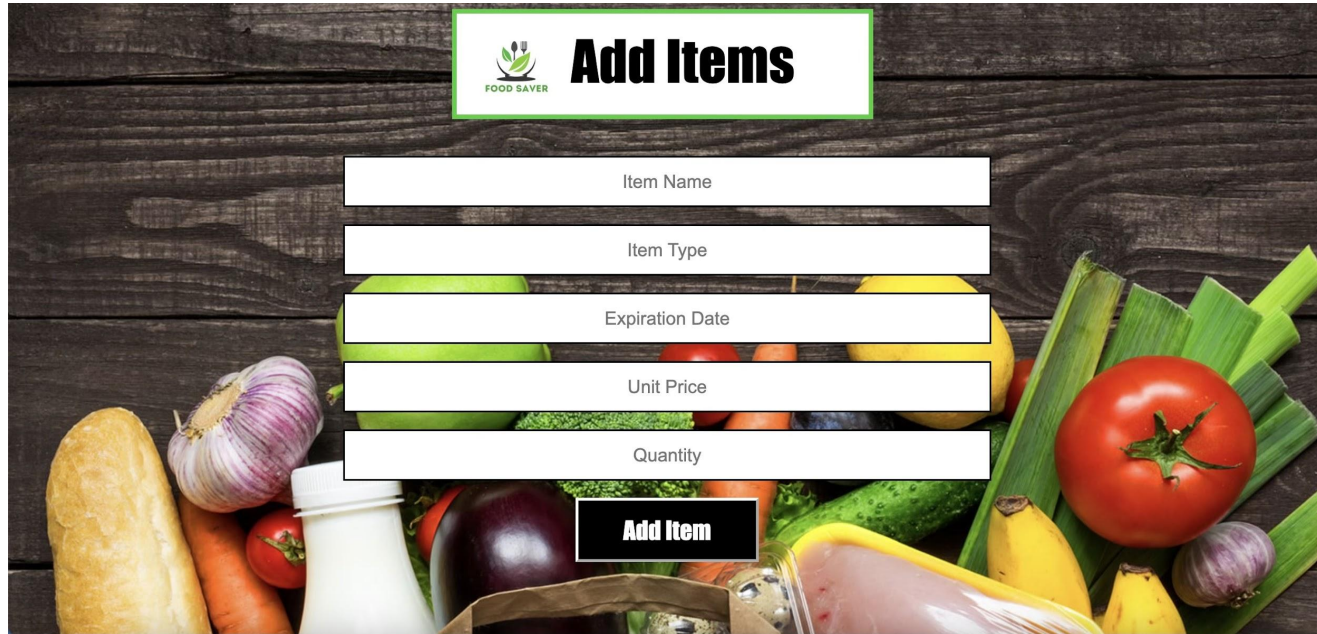
Once logged in or signed up, the food provider may be able to view their current listings along with their account information.
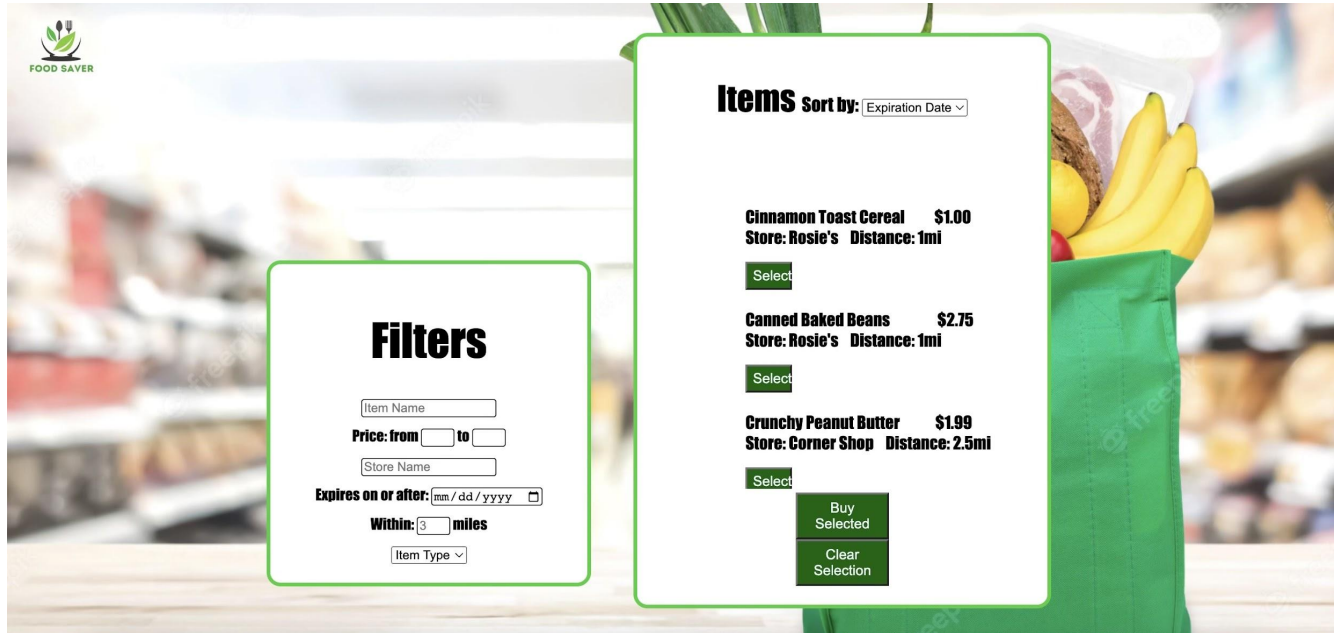
HTML Page 4 - Seller

If the food provider may choose to add items, they may choose to.

HTML Page 1 - Shopper

The shopper may freely view and sort items offered by the Food Saver website.

HTML Page 2 - Shopper

The shopper may be able to view their billing information as well as what their cart contains.