

Term Project Proposal Presentation

Web Systems Development Group 7

Problem Statement

A common problem in our world today is how to deal with **excess**. People are in a constant battle as to how to control their unconscious behavior of desiring more when they already have so much.

The reality is that when people **do** realize how much they have, **they do not know how to manage it, nor do they have the time to deal with it properly.**

Leaving the issue of excess unaddressed is even more dangerous in a world that is impacted by the climate crisis everyday. Furthermore, the reluctance to come up with an accessible solution can have a **potential irreversible impact.**

It is even more important to leverage **technology** in order to solve these issues.

Our Solution

StockSmart is a web application with the **primary goal of reducing excess, but in the kitchen.** The application allows users to **track the items currently in their kitchen, the expiration date, and the status of the items.** Users can also **build grocery lists,** and the application cross references these lists with the items already in the kitchen to ensure the user is not buying something they already have.

The application will also have a feature that allows users to **build donation lists.** This is to account for users who have items in their kitchen that they know they cannot finish before the expiration date. The application alerts users within a week of an items expiration date to add it to their donation list. This ensures that the food is not going to waste, and instead will be donated to homeless shelters and food banks who are in need of items.



Users and Stakeholders

This platform will help...

- Busy college students by providing a system that allows them to electronically tackle their groceries
- Young adults who are newly graduated and overwhelmed with starting their first jobs by allowing them to start practicing efficient shopping and household food management habits
- This platform will help new parents as well large families, who normally buy groceries in bulk due to convenience, become more mindful about their spending by tracking their groceries and quantity of items in the kitchen in order to prevent waste
- Organizations reallocating food waste to those in hunger will benefit from this app, through our donation list feature,



Functional and Nonfunctional Requirements

Functional Requirements

1. Users should be able to login if they are a returning user or sign up if they are first time user.
2. User should be able to select personal profile or group mode.
3. Users should be able to navigate to the “In My Kitchen” tab and select a food group on the clickable pie chart and view those items currently in their kitchen.
4. Users should be able to add food items to their Kitchen Log on the “In my Kitchen” tab.
5. Users should be able to add a friend on the “In my Kitchen” tab.
6. Users should be able to create a grocery list on the “Grocery List” tab.
7. Users should be able to receive alerts for items that are within a certain window of expiration.
8. Users should be able to create a donation list on the “Donation List” tab.
9. All users that are in group profile mode should be able to edit and view a common kitchen list, grocery list, and donation list.

Nonfunctional Requirements

1. Easy to navigate that uses common symbols and icons.
2. User’s credentials such as login information will be secure.
3. If the user is on “Personal Profile” mode, any friends the user adds to their page will have “view access” only, and if on “Group Profile” mode, friends will have “edit access”.
4. Reliability will be ensured by fast load times, timely notifications, and accuracy of data across all pages.
5. Application will be accessible on Firefox and Chrome browsers.

Technology Stack



Linking
between
pages



Styling
Pages



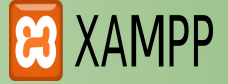
Interactions
(ie. alerts,
clicking a
food group)



Sign In,
Login page,
Grocery
page,
Donation
Page



Kitchen Item
Logs,
Grocery List,
Donation List
Logs. Users
DB



Hosting the
application



The image displays four hand-drawn wireframes for a web application, each with detailed annotations for user flow and data handling.

SIGN IN PAGE

This wireframe shows a login interface with the following elements:

- Buttons:** "Sign Up", "Log In", "Sign In" (bottom right).
- Form Fields:** "Last Name", "Last Name", "Username", "Password".
- Annotations:**
 - "Sign Up" and "Log In" are circled and connected by a double-headed arrow.
 - "Last Name" and "Last Name" fields are connected by a double-headed arrow.
 - "Username" and "Password" fields are connected by a double-headed arrow.
 - A "Sign In" button is located at the bottom right.

LOGIN PAGE

This wireframe shows a login interface with the following elements:

- Buttons:** "Sign Up", "Log In", "Sign In" (bottom right).
- Form Fields:** "Username", "Password".
- Annotations:**
 - "Sign Up" and "Log In" are circled and connected by a double-headed arrow.
 - "Username" and "Password" fields are connected by a double-headed arrow.
 - A "Sign In" button is located at the bottom right.

MY KITCHEN BLEND


This wireframe shows a complex interface for managing kitchen blends. It includes a circular diagram for "MY KITCHEN BLEND" and a table for "MY KITCHEN BLEND".


- Buttons:** "Sign Up", "Log In", "Sign In" (bottom right).
- Form Fields:** "Last Name", "Last Name", "Username", "Password".
- Annotations:**
 - "Sign Up" and "Log In" are circled and connected by a double-headed arrow.
 - "Last Name" and "Last Name" fields are connected by a double-headed arrow.
 - "Username" and "Password" fields are connected by a double-headed arrow.
 - A "Sign In" button is located at the bottom right.


MY GROCERY LIST


This wireframe shows a grocery list interface with a table for "MY GROCERY LIST".


- Buttons:** "Sign Up", "Log In", "Sign In" (bottom right).
- Form Fields:** "Last Name", "Last Name", "Username", "Password".
- Annotations:**
 - "Sign Up" and "Log In" are circled and connected by a double-headed arrow.
 - "Last Name" and "Last Name" fields are connected by a double-headed arrow.
 - "Username" and "Password" fields are connected by a double-headed arrow.
 - A "Sign In" button is located at the bottom right.



[ADD A FRIEND](#)



[IN MY KITCHEN](#)



[GROCERY LIST](#)



[DONATION LIST](#)



[PROFILE](#)



[ADD A FRIEND](#)



[IN MY KITCHEN](#)



[GROCERY LIST](#)



[DONATION LIST](#)



[PROFILE](#)



[ADD A FRIEND](#)



[IN MY KITCHEN](#)



[GROCERY LIST](#)



[DONATION LIST](#)



[PROFILE](#)



[ADD A FRIEND](#)


[IN MY KITCHEN](#)



[GROCERY LIST](#)



[DONATION LIST](#)



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[PROFILE](#)



IN MY KITCHEN

ORDER MY LIST

DELIVERY LIST

PROFILE

MY GROCERY LIST: 8/29/21

FOOD	FOOD GROUP	BOUGHT	ADD TO KITCHEN
Almond Milk	Dairy	<input type="checkbox"/>	<input type="checkbox"/>
Tomatoes	Vegetables	<input type="checkbox"/>	<input type="checkbox"/>
Apples	Fruit	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Add an Item


[Share-Share](#)

[IN MY KITCHEN](#)

[GROCERY LIST](#)

[DONATION LIST](#)

[PROFILE](#)

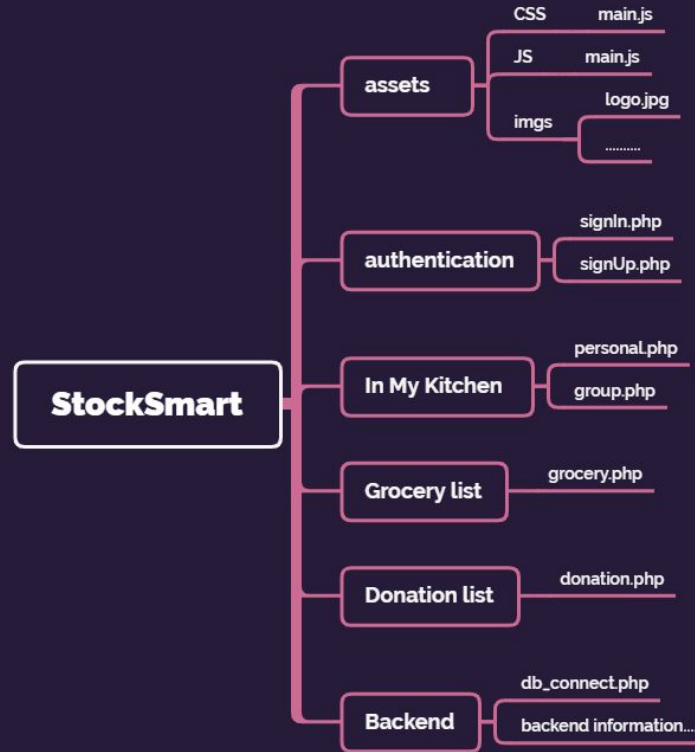
MY DONATION LIST

FOOD	LOCATION	DONATE BY	DONATED
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>



Site Map

1. Authentication
2. Grocery list
3. Donation List
4. Assets
(CSS/JS/IMG)
5. Backend



TikTok Video

https://www.tiktok.com/@websystemsgroup72021/video/7008359383285402886?lang=zh-Hant-TW&is_copy_url=0&is_from_webapp=v1&sender_device=pc&sender_web_id=7008260722610849286



Thank you!
Any questions?

