

## COMPANY AVATAR: SHELF LIFE INC.

### Overview:

Shelf Life Inc. was created to create an app that could tackle the global challenge of food waste at the consumer level. Grounded by the founders' lived experience with food insecurity, the company's mission is to empower everyday users with intelligent, easy-to-use tools that help them track consumption, reduce waste, and contribute to sustainable living.

### **Core Identity:**

- · Name: Shelf Life Inc.
- Stage: Early-stage, Pre-Seed
- Focus: Development of a lowmaintenance MVP with AI-powered functionality to drive early adoption and secure seed funding
- Values: Sustainability, Empowerment,
   Simplicity, Impact
- Key Objective: Build a lightweight yet powerful proof-of-concept that demonstrates their vision and garners investor interest

### **Guiding Principles:**

- Make food sustainability accessible and achievable
- Leverage AI responsibly
- Create measurable, positive environmental impact
- Use metrics to influence customers food practices
- Freemium model, allowing equitable access to all

#### **Future Vision:**

To evolve the MVP into a fully developed app with barcode scanning, smart shopping lists, and gamified dashboards that promote eco conscious habits scalable through dedicated tech hires post-seed round.

### **Target Audience:**

Individuals and families seeking better control over household food practices, targeting individuals who are passionate about sustainability, and looking for digital support in reducing individual household waste.



# Data Source & Database

Database: Used Google Sheets & Google API

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	А	В	С	D	Е	F	G	Н	I	J	К	L	М	N	
1	Username =	Date_of_Entry =	Date_of_Purcha =	Food_Type =	Brand =	Food_Nam =	Quantity =	QUnit =	Weight -	WUnit =	Total_Q*W =	Price =	Total_Price =	Expiry_Dat =	
2	snackhoarder	2025-05-18	2025-05-18	Fruit	Okanagan	Apples	3	pcs	180	g	540	1.99	5.97	2025-05-30	
3	snackhoarder	2025-05-18	2025-05-18	Pantry	Quaker	Oats	3	pkg	852	g	2556	4.31	12.93	2025-06-08	
4	snackhoarder	2025-05-18	2025-05-18	Deli	Schneiders	Ham	2	pkg	750	g	1500	5.56	11.12	2025-05-30	
5	canofbeans	2025-05-18	2025-05-18	Bakery	Vachon	Cupcakes	2	pkg	412	g	824	3.39	6.78	2025-05-30	
6	canofbeans	2025-05-18	2025-05-18	Snack	Kellogg's	Poptarts	2	pkg	250	g	500	7.33	14.66	2025-06-09	
7	canofbeans	2025-05-18	2025-05-18	Dairy	Lactantia	Milk	2	L	1000	ml	2000	7.70	15.40	2025-06-05	
8	hungryhippo	2025-05-18	2025-05-18	Dairy	Lactantia	Milk	3	L	1000	ml	3000	1.92	5.76	2025-05-26	
9	hungryhippo	2025-05-18	2025-05-18	Dairy	Liberte	Yogurt	3	pkg	250	g	750	5.89	17.67	2025-06-09	
10	hungryhippo	2025-05-18	2025-05-18	Pantry	Quaker	Oats	1	pkg	745	g	745	7.79	7.79	2025-05-26	
11	hungryhippo	2025-05-18	2025-05-18	Bakery	Premiere Mois	Croissant	3	pkg	468	g	1404	7.16	21.48	2025-06-07	
12	snackhoarder	2025-05-19	2025-05-19	Vegetable	Freshline	Spinach	1	pcs	193	g	193	1.80	1.80	2025-05-27	
13	snackhoarder	2025-05-19	2025-05-19	Bakery	Dempster's	Bread	3	pkg	508	g	1524	3.14	9.42	2025-05-26	
14	snackhoarder	2025-05-19	2025-05-19	Bakery	Vachon	Cupcakes	1	pkg	752	g	752	1.54	1.54	2025-06-07	
15	snackhoarder	2025-05-19	2025-05-19	Condiment	Kikkoman	Soy Sauce	3	pkg	350	ml	1050	6.02	18.06	2025-06-15	
16	snackhoarder	2025-05-19	2025-05-19	Deli	Kimchi Korea	Kimchi	2	pkg	750	g	1500	6.77	13.54	2025-06-04	
17	snackhoarder	2025-05-19	2025-05-19	Deli	Maple Leaf	Bacon	3	pkg	750	g	2250	3.75	11.25	2025-06-17	
18	snackhoarder	2025-05-19	2025-05-19	Dairy	Lactantia	Milk	1	L	1000	ml	1000	5.81	5.81	2025-05-30	
19	snackhoarder	2025-05-19	2025-05-19	Dairy	Liberte	Yogurt	1	pkg	750	g	750	5.83	5.83	2025-05-31	
20	canofbeans	2025-05-19	2025-05-19	Dairy	Lactantia	Milk	1	L	1000	ml	1000	4.34	4.34	2025-06-08	
21	canofbeans	2025-05-19	2025-05-19	Pantry	Kellogg's	Cereal	1	pkg	926	g	926	5.32	5.32	2025-05-29	
22	hungryhippo	2025-05-19	2025-05-19	Fruit	Okanagan	Apples	3	pcs	240	g	720	5.62	16.86	2025-06-02	
23	snackhoarder	2025-05-20	2025-05-20	Dairy	Lactantia	Milk	2	ı	1000	ml	2000	6 11	12 22	2025-06-14	



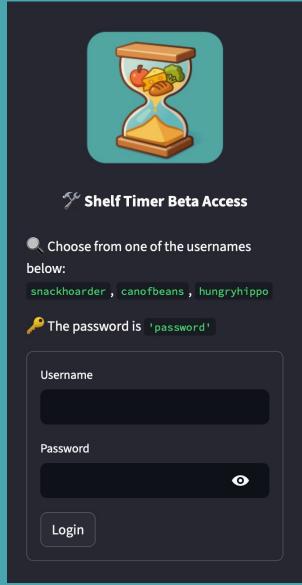
**Synthetic Data Generation:** 400 entries were generated with varying quantities, food types, and expiry dates.

# Platform & Login Access



Streamlit Via Hugging Face Spaces:
Used to host Proof-of-Concept

**Default Users:** 3 default users to select from to give potential investors pre-loaded data to experiment with



## **Shelf Life Timer**



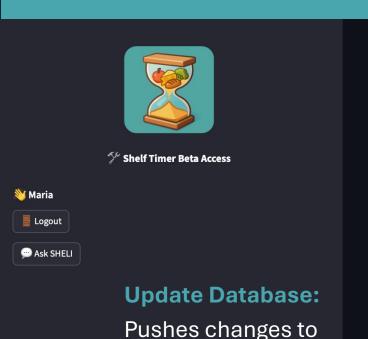


17 Shelf L	ife Timer — Quantities 🛒 Smart G	rocery List 📊 Dashboard	Day Slider: Slider which users can manipulate to see								
17 Sł	nelf Life Timer		what food items are close to expiry for a given time								
Items expiring within the next:			frame.								
1 day/s	. day/s 30 day/s										
	Food Name	Brand		Expiry Date	Quantity	Unit					
93	Bread	Dempster's		2025-07-01	2	pkg					
100	Ham	Schneiders		2025-06-30	3	pkg					
110	Ham	Schneiders		2025-07-02	3	pkg					
127	Carrots	Bonduelle		2025-07-04	1	pcs					
135	Milk	Lactantia		2025-07-04	2	L					
139	Soy Sauce	Kikkoman		2025-06-28	2	pkg					
153	Ham	Schneiders		2025-07-03	2	pkg					
179	Butter	Agropur		2025-07-02	3	pkg					
184	Bread	Dempster's		2025-07-02	2	pkg					

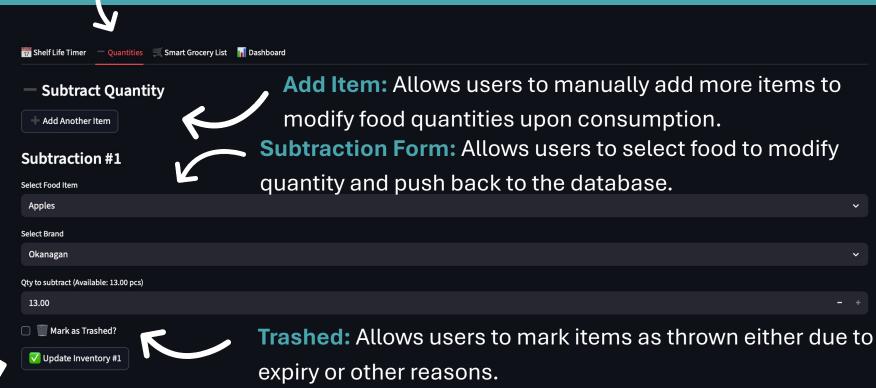


**Dynamic Pantry:** Quick view of expiring items and their remaining quantity.

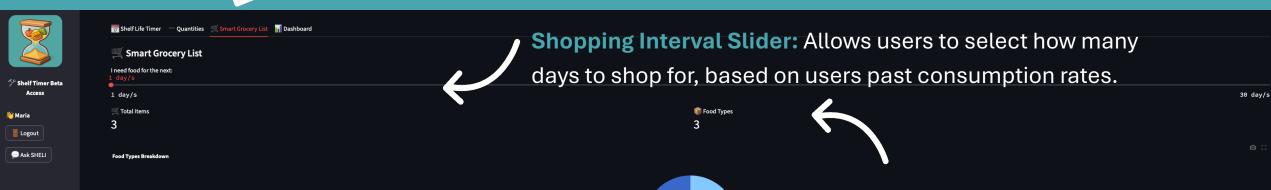
## Quantities



the database

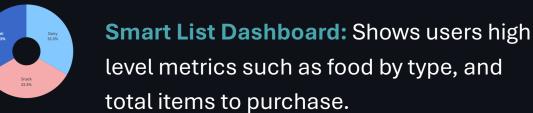


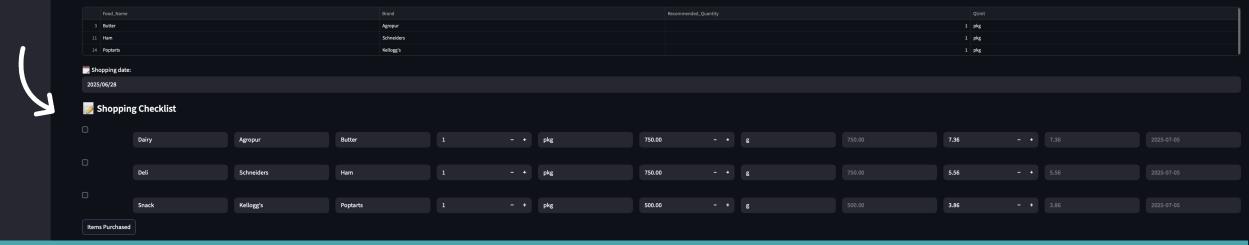
# **Smart Grocery List**



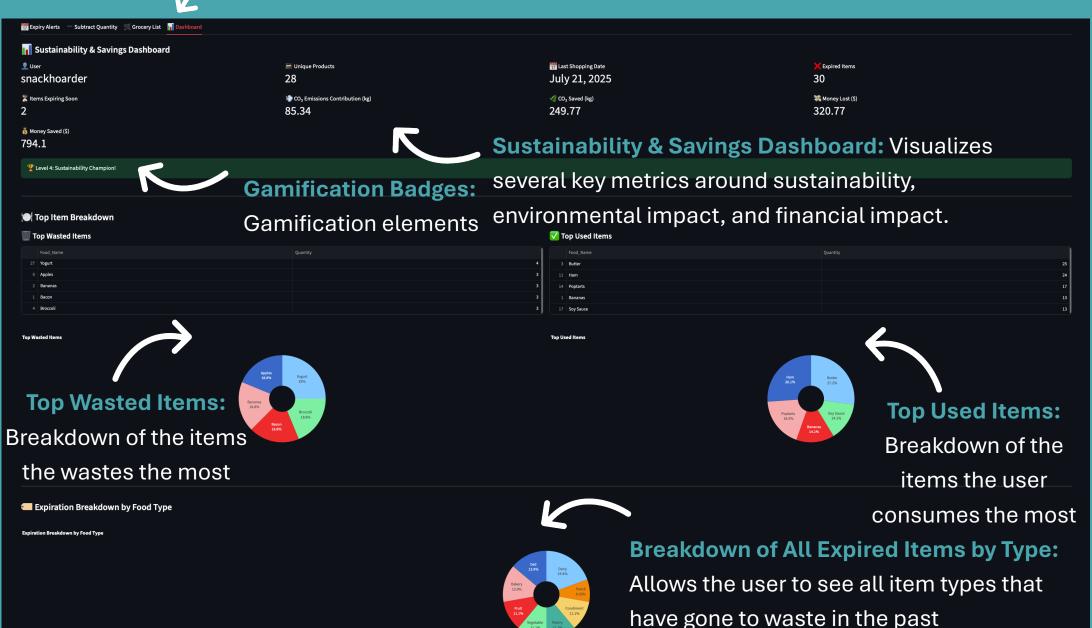
## **Shopping Checklist:**

Allows users users to update quantities and push directly into the database while shopping

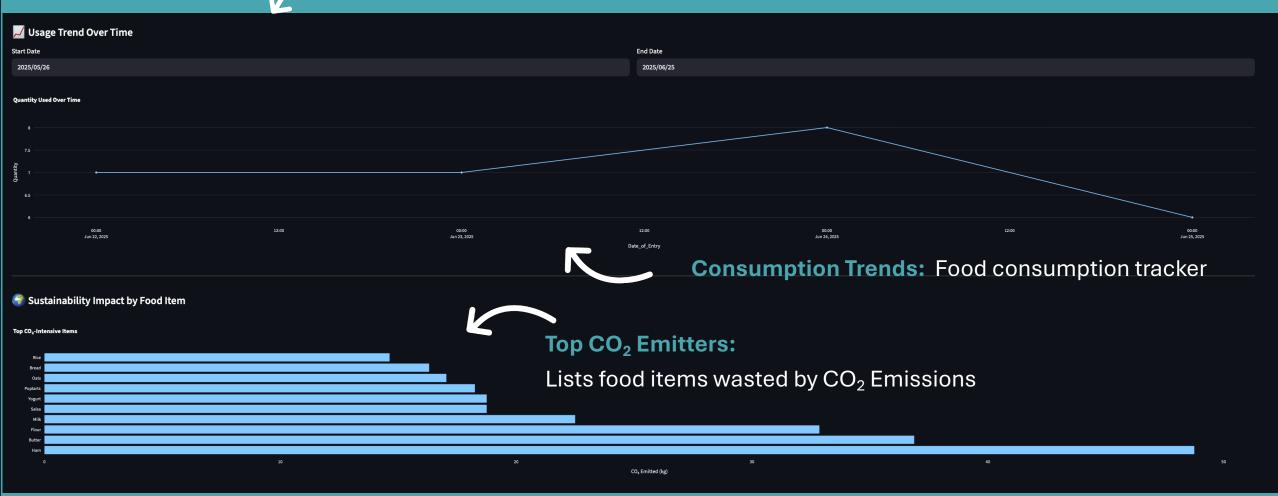








# **Dashboard**



## 1) How it's calculated:

 $CO_2$  emissions are estimated using the formula:  $CO_2$  Emitted = ((Quantity × Weight in grams) / 1000) × 2.5

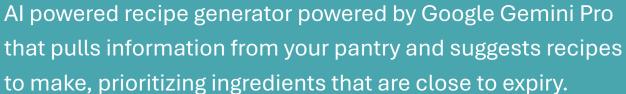
## 2) Why 2.5 is used:

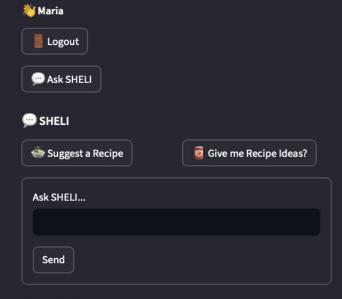
The 2.5\* kg CO<sub>2</sub>/kg value is a globally recognized average, based on FAO and WRAP studies. Emissions are computed separately for wasted and used items to show both environmental impact and savings.

# Al Powered Recipe Generator

## **Shelf Timer Chat Assistant:**







#### SHELI's thoughts:

Okay Maria, let's see what we can make with these ingredients, focusing on using up items that are expiring soon!

Based on the inventory, it looks like we have quite a bit of Ham,
Flour, Butter, Bread, Milk, Yogurt, Soy Sauce, Apples, Carrots,
Spinach, Poptarts, Cookies, Cereal, Croissant, Salsa, Oats, Chips,
and Rice that we can work with.

Given the large quantity of butter and flour, it might be a good idea to make some cookies!

I suggest making some Oatmeal Cookies. We can also make french toast with bread, milk, eggs, and butter if you have eggs.

Here's why this is a good option:

- Uses Multiple Ingredients: Oatmeal Cookies would allow us to use a lot of flour and butter.
- Expiration Dates Addressed: We can utilize a lot of the flour and butter that expire in July.
- Other Pantry Staples: It also uses pantry staples.

Would you like me to give you a simple recipe for Oatmeal cookies? Or perhaps another suggestion entirely? Let me know!



**Manual Workflow** 

**Hugging Face Limitations** 

OCR Computer Vision IOS & Android App IOT

## **What's Next**



# SHELF TIMER INC.

