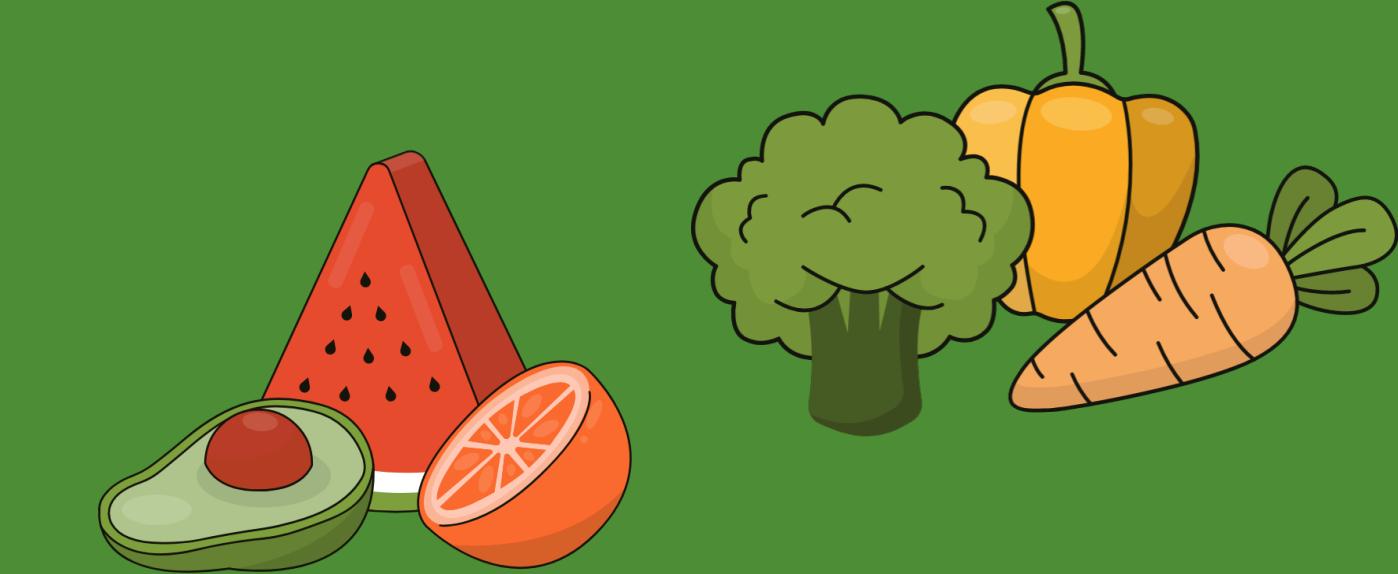




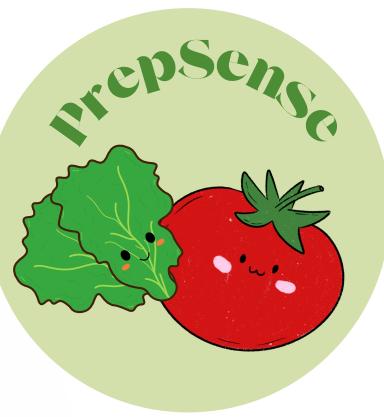
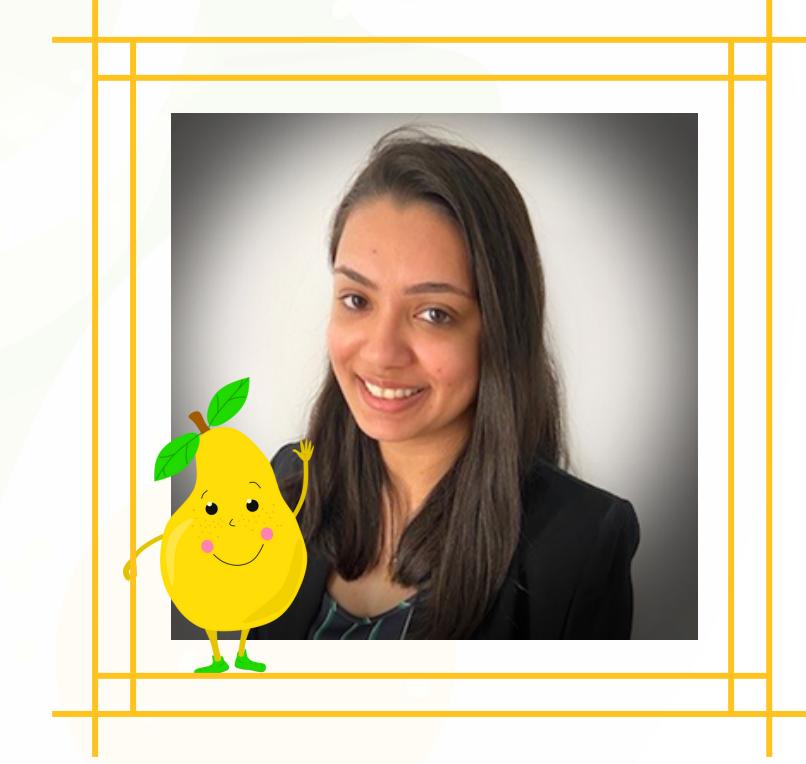
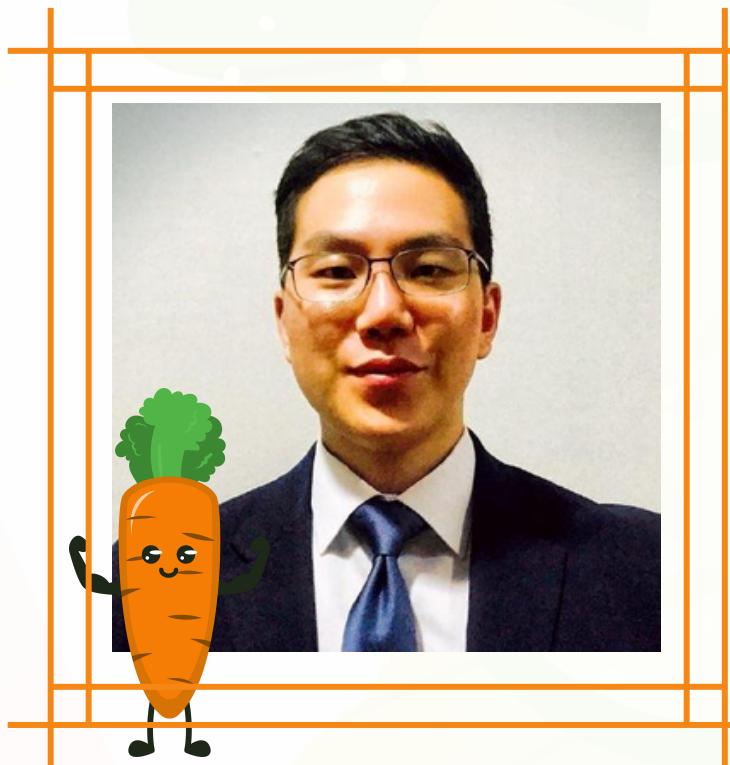
PrepSense

Let's make every ingredient count



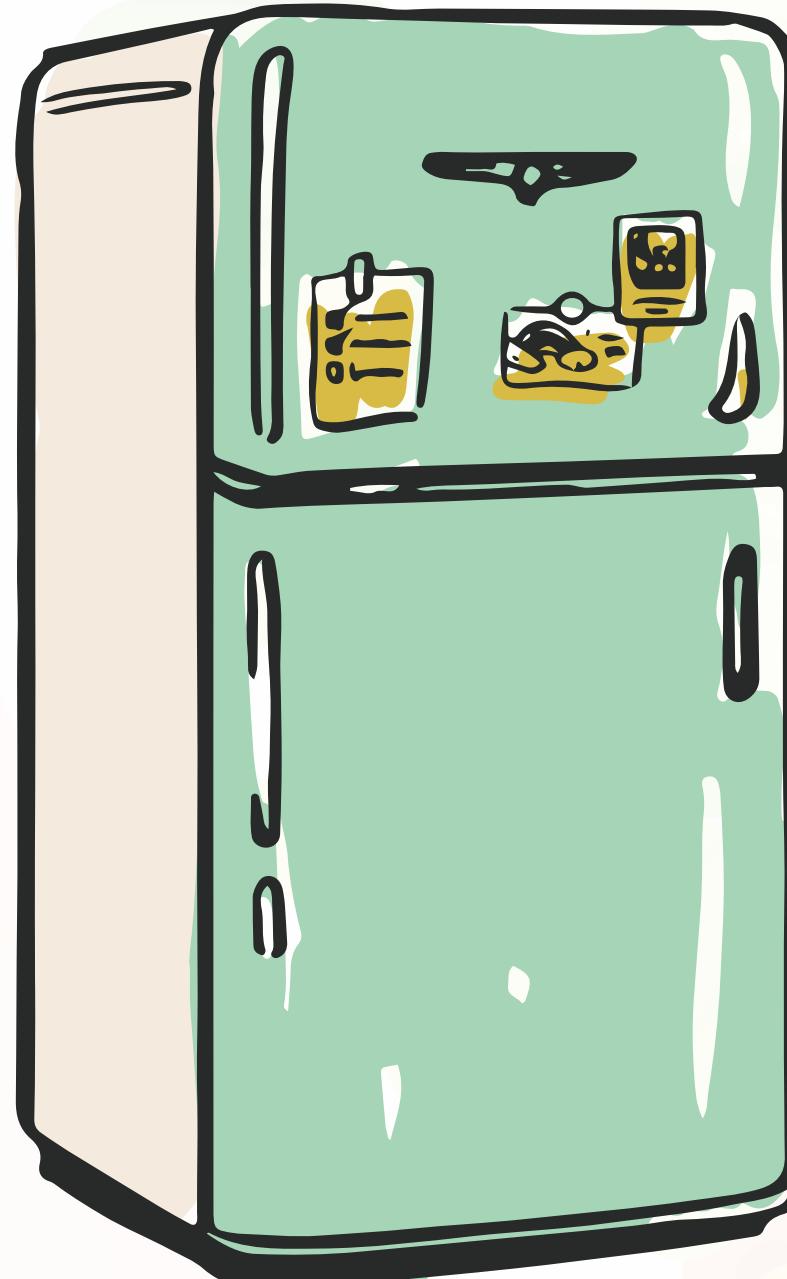


Our Team





“You can’t manage what you don’t measure”



40% of all food in the U.S goes uneaten

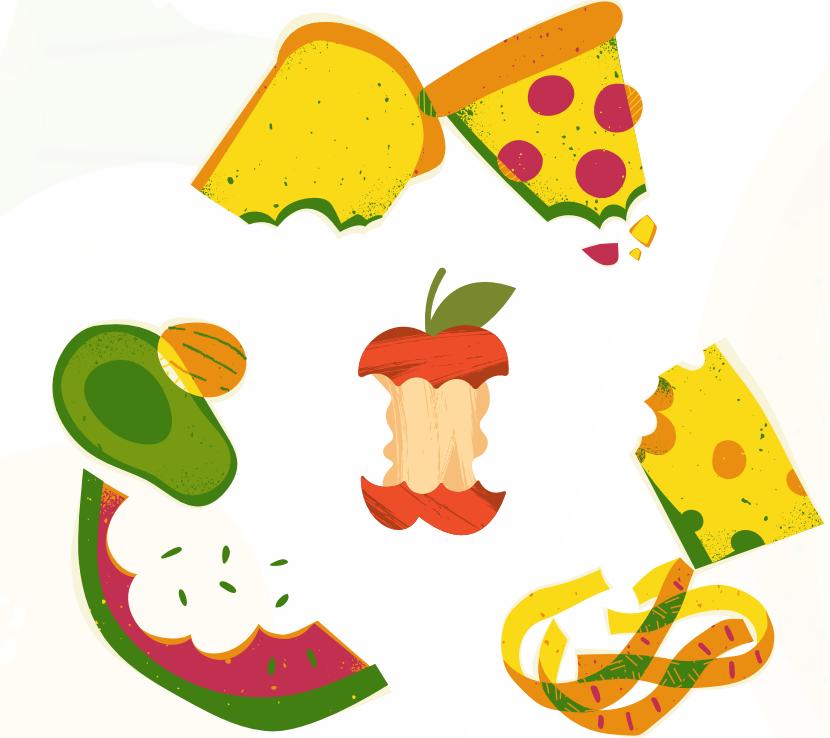
That's over 91 million tons of food wasted annually

\$1500 per U.S household in food waste annually

That equals ~500 pounds of food thrown away annually

U.S. waste each year equals Germany's consumption

Enough to feed 83 million people for a full year



Source: [Food & Environment Reporting Network \(FERN\)](#)

Everyday Dilemma



“I don’t remember what’s in the fridge”

“Oh no! The banana is rotten”

“I should buy only what’s needed”

“What should I cook for dinner today?”

Manual pantry tracking

Expired items

Food wastage

Unbalanced nutrition



Competitor Frustration – The Market Gap

Personalized recipe recommendations



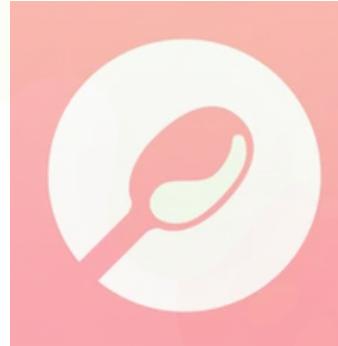
Recipes link out to third-party sites
Cluttered interface

Tracks food in your pantry, fridge, and freezer



★★★★★
usedtoactuallylikethis, 11/09/20
Glitchy, and lost all my food

All-in-one meal planner, pantry organizer, and grocery list manager.



★★★★★
Evilchicken777, 09/05/2018
Too complicated
I spent two and a half hours yeste

Tracks grocery purchases and suggests recipes



★★★★★
ahdhfiaoamhd, 01/25/2022
Simple tool, overly complicated tutorial
I downloaded this app and was so excited

Tracks grocery purchases and suggests recipes



★★★★★ 20 January 2025
This app is great at face value

pantry tracker with barcode scanning



★★★★★
GameDrop, 03/23/2023
Really thought this was the one



Meet Lily - The Conscious, Tired Consumer



Loves a good healthy meal



Visits the grocery store once a week



Prefers home cooked meals



Lives in Dallas



Lily



One of our classmates at the
MSADS program



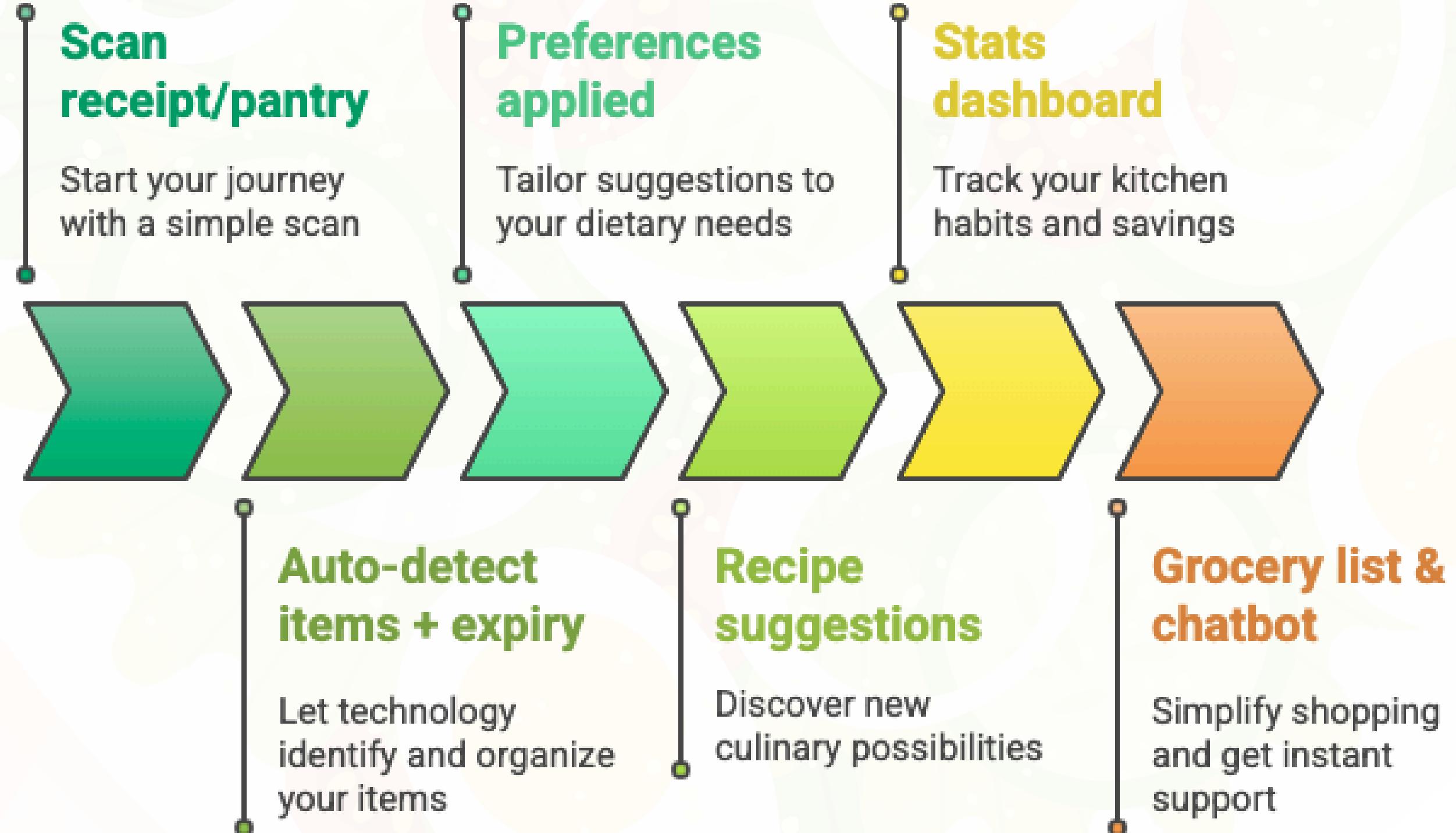
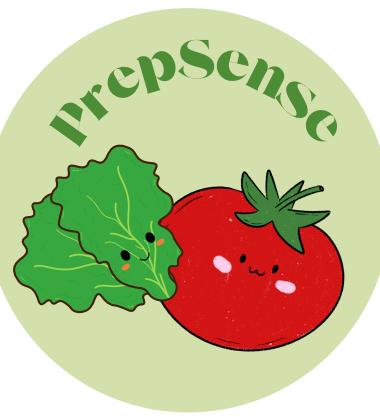
Tried tons of food tracking apps
but nothing that sticks



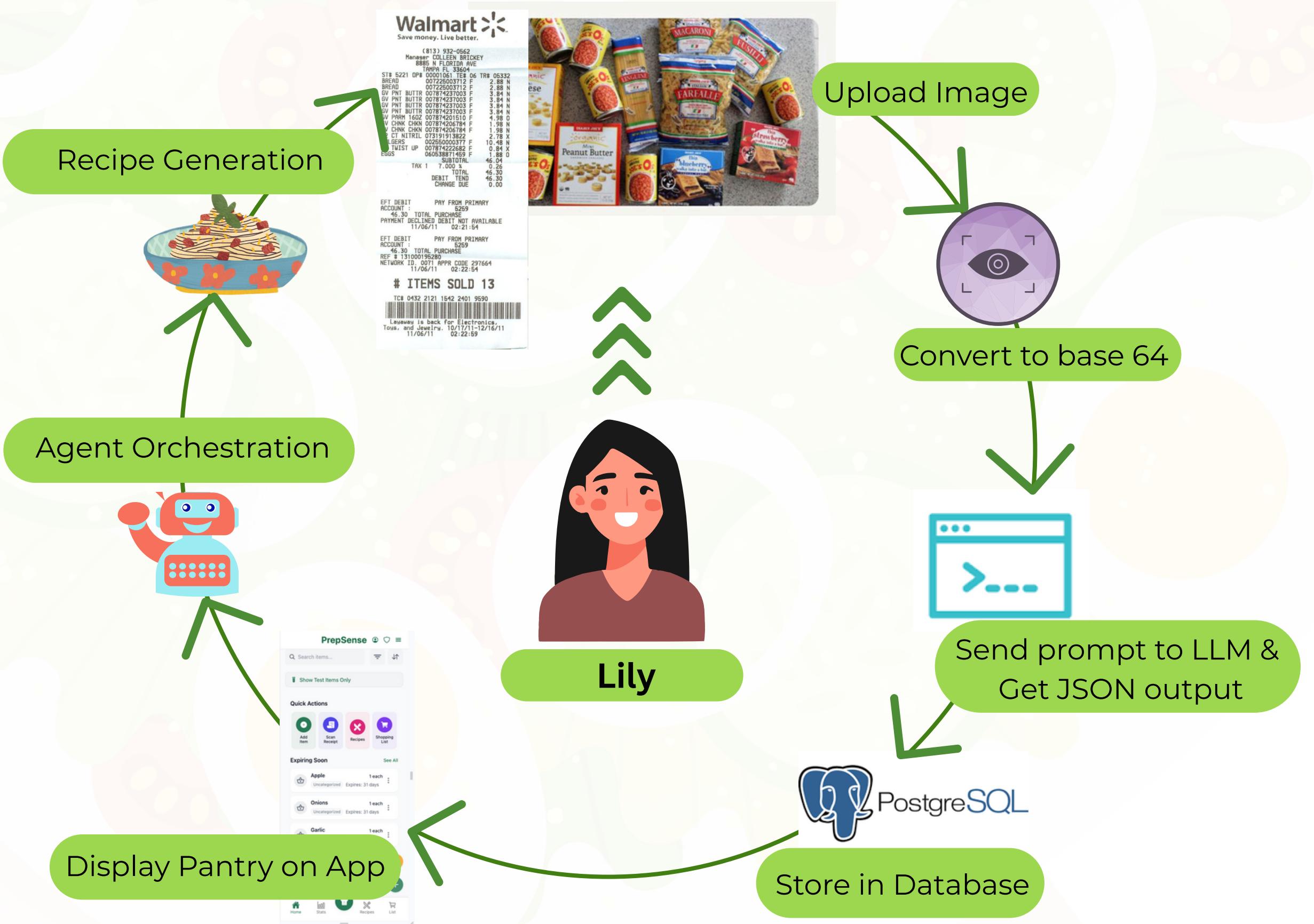
**Now Lily can see her pantry, reduce waste,
plan better meals, and feel in control.**



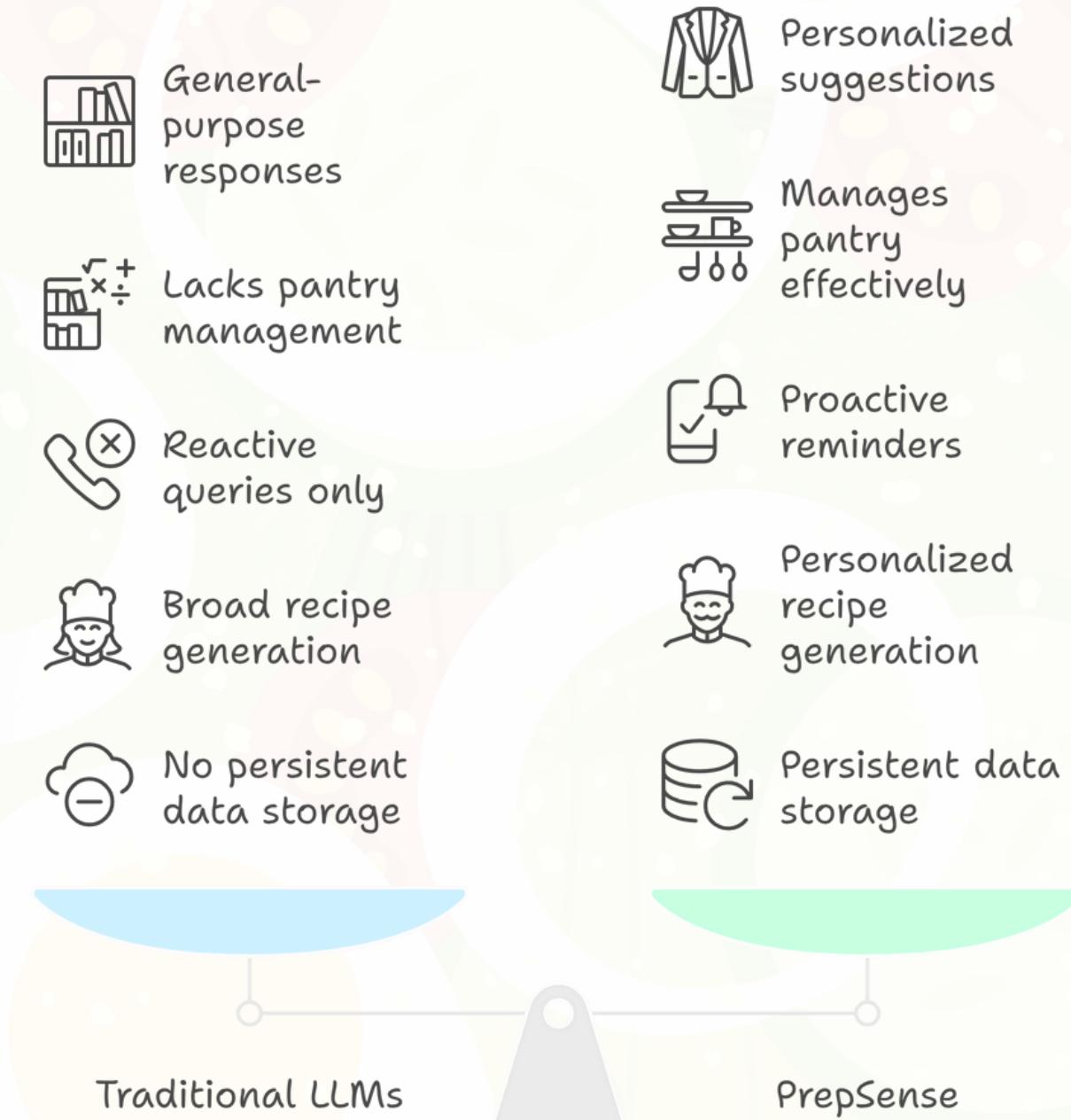
Lily's Workflow – From Receipt to Recipe



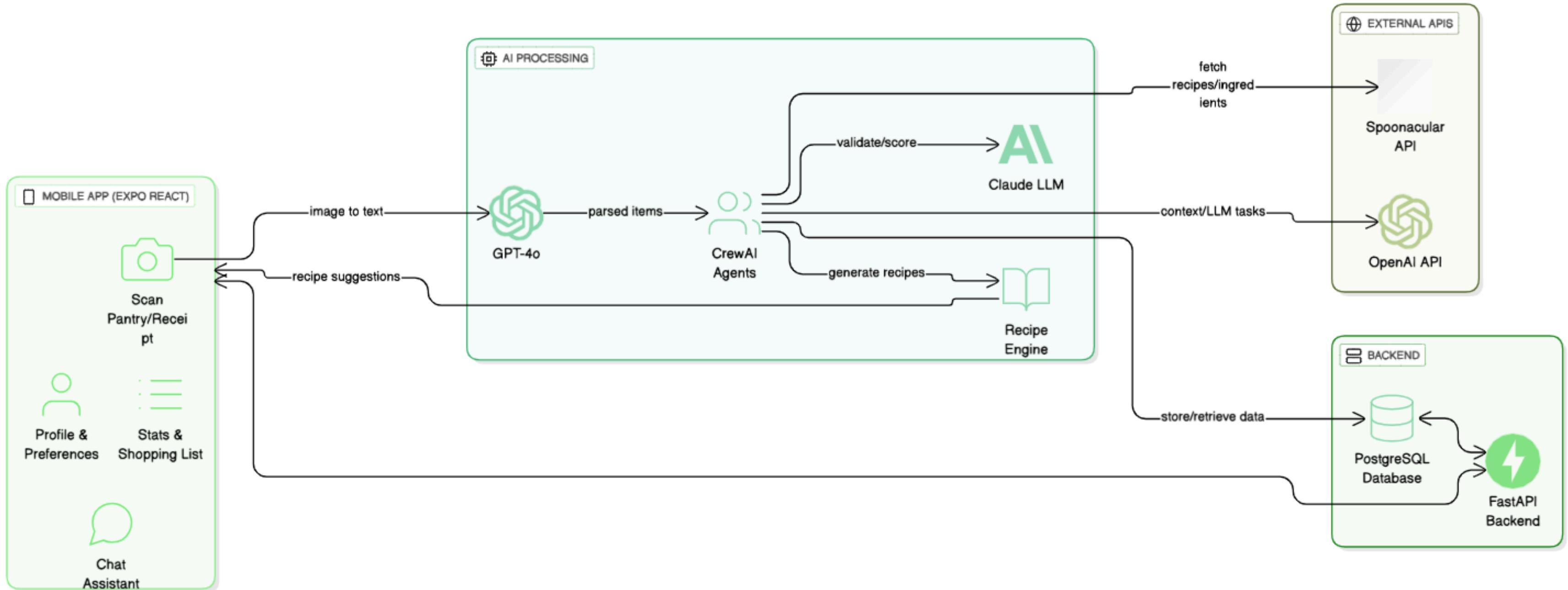
Smarter with Every Input – Multimodal AI



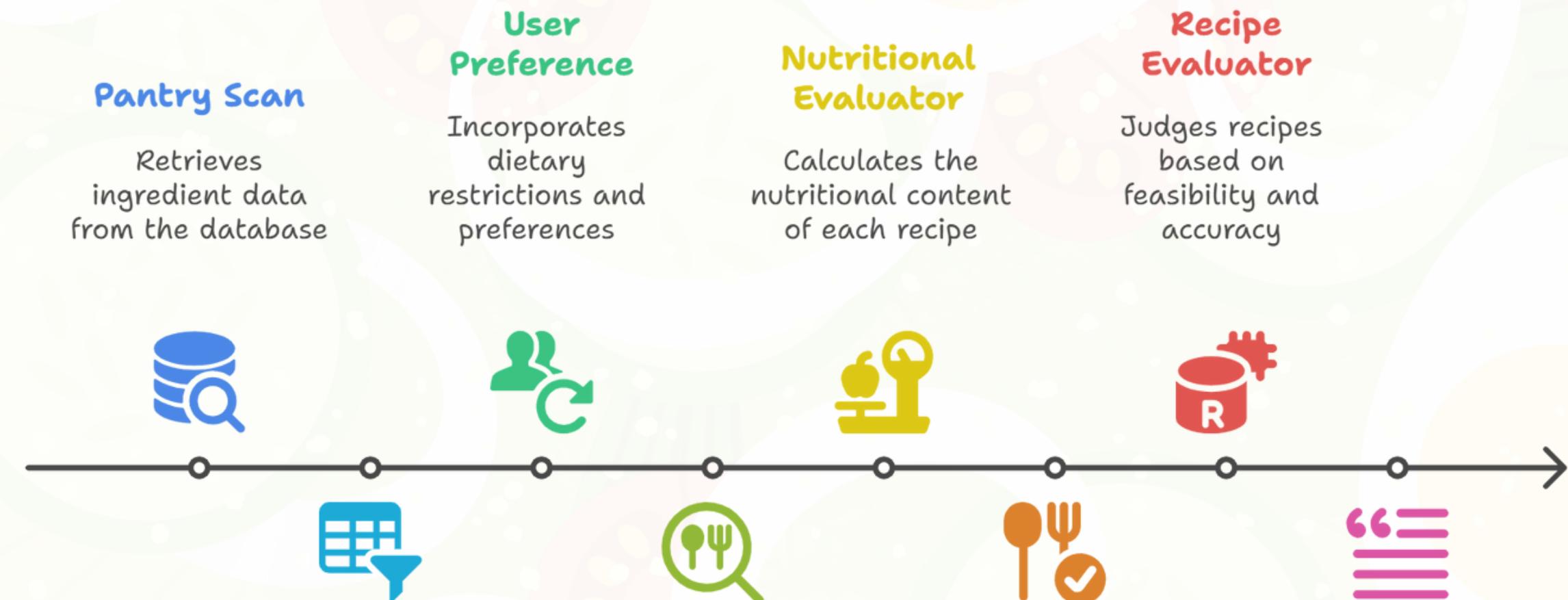
PrepSense offers personalized features over Traditional LLM



Under the Hood – Tech Architecture



Coordinated AI Agents



Ingredient Filter

Removes expired or unusable items

Recipe Search

Finds potential recipes based on filtered data

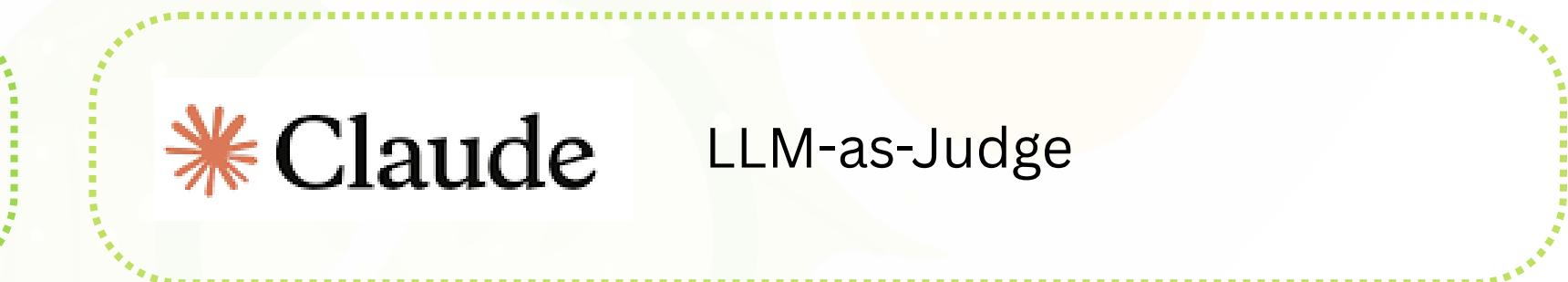
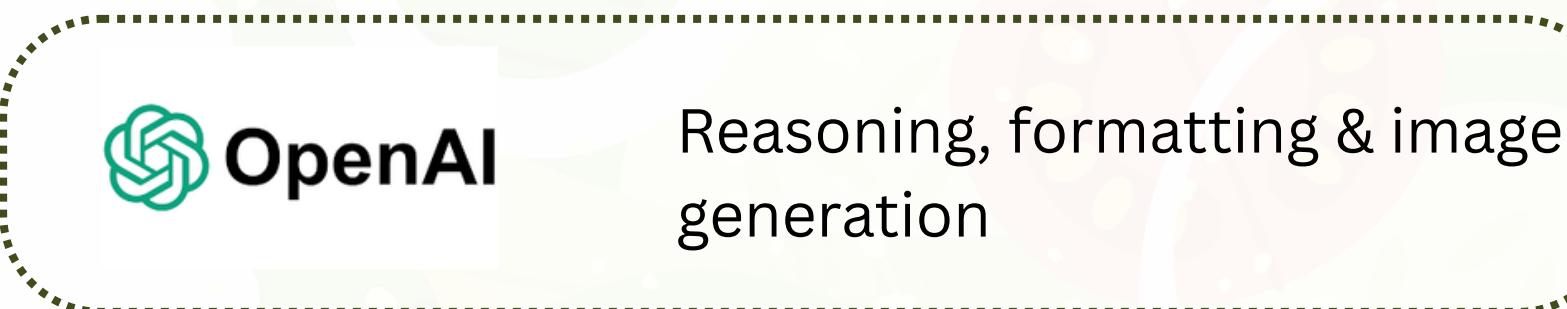
Recipe Scoring

Ranks recipes based on relevance and healthiness

Response Formatting

Prepares a user-friendly output of top recipes

Tech Stack



Additional Features



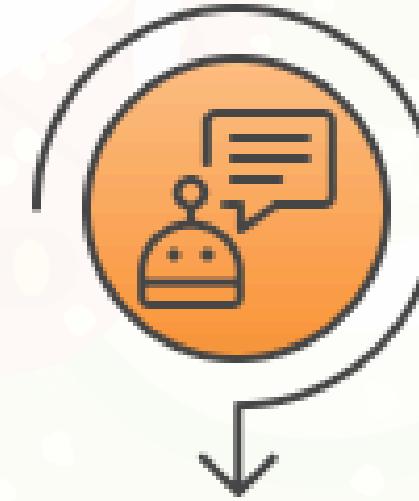
Stats View

Tracks expired and about to expire items. Displays food waste and CO₂ emission estimates.



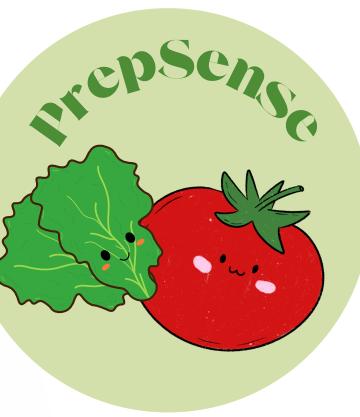
Shopping List

One-click add missing ingredients from recipe suggestions. Keeps pantry and shopping aligned.

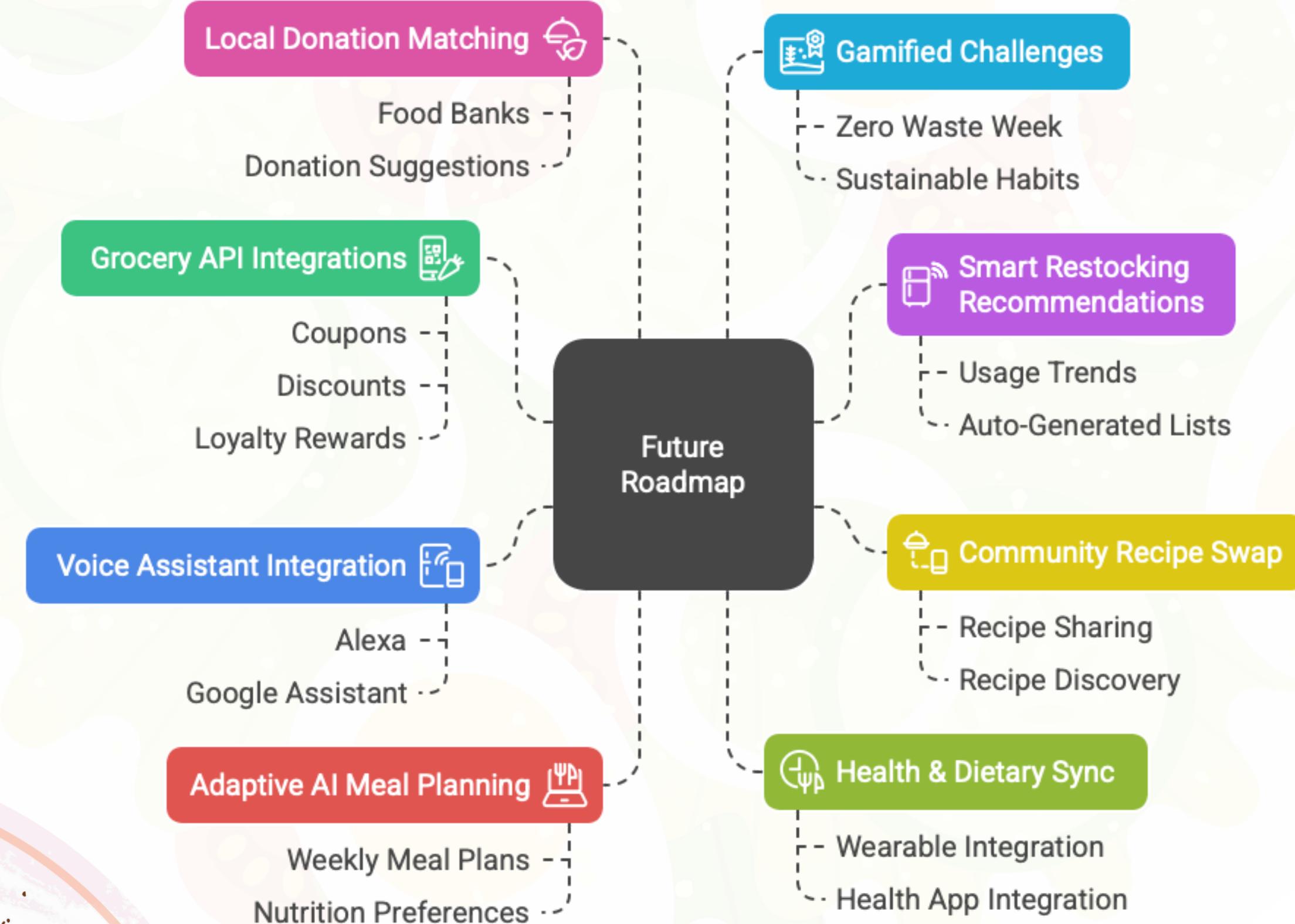


Chatbot

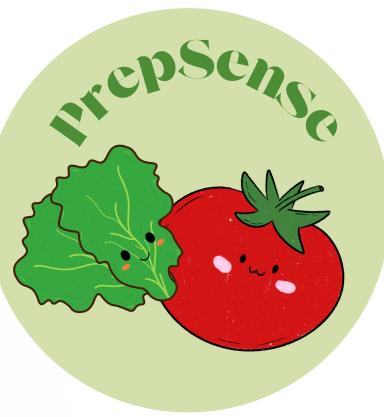
Interactive chatbot for meal-specific recipe suggestions. Supports categories like breakfast or healthy meals.



Future Roadmap



Final Impact – What PrepSense Leaves You With



Savings

Save money by reducing waste and planning smarter.

Better Food

Reduce waste with smart recipes and expiry alerts.

Awareness

Track emissions, waste, and food habits over time.

Everyday Assistant

Get personalised tips and reminders from pantry to plate.



Questions ?