## Food Saver

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## Background

#### Wasting Food

Americans
throw out more
than 1,250
calories per day
per person.

#### **Nutrition Wasted**

Nearly half of fruits and vegetables get thrown out.

#### Real Trash?

Food is the No. 1 thing in America's landfills.

### Main goals

Goal 1

Goal 2

Goal 3

#### **Affordability**

Creating a non-profit platform that allows people to buy nutrient essential foods for low prices

Helping people who are in need

## **Generating Profits for Sellers**

Sellers get to make profit on their product on the brink of expiration, but margin is still fair for buyers as well. Use a dynamic pricing system by suggest the product's price based on its quality and quantity to give a **fair deal** for both parties.

#### **Less Food Wasting**

Sellers will get more incentive selling their product which allows less food to be wasted.

#### **Environmental friendly**

#### **Technical Platform**

- A Web Application
- Backend: Python (FastAPI framework)
- Frontend: HTML/CSS/JS
- Database: Deciding between MySQL and NoSQL Real-time database (Firebase)
- Service: Stripe for handling payment between buyers and sellers, Firebase Authentication
- Dev tool: Visual Studio Code, Git

## Storyboard 1 Seller/Vendor

#### Authentication

Seller can sign up an account to the system.

Seller can login to the system once their credential is authenticated.

#### Seller Dashboard

Display Seller's product for sale

Seller can Create Read Update Delete products

Display Order Tracking and History

#### **Product**

Display product information (price, quantity, expired date, brand, etc)

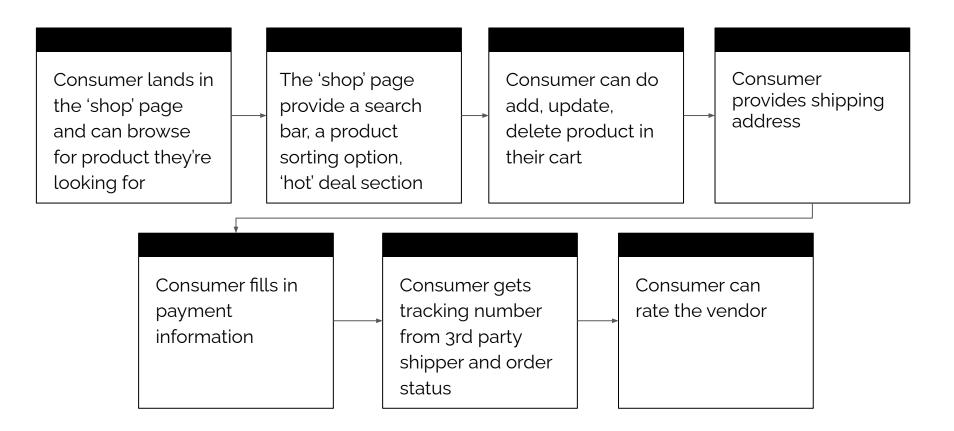
Dynamic Pricing
System: suggest
price based on
the product
real-time
information

#### Order

Sellers can ship product using 3rd party shipping service (UPS, etc).

Set up Payment method using Stripe.

## Storyboard 2 Buyer/Consumer



# Thanks for listening