



Food Saver App

Team 7
Sean Robinson
Javier Ortiz
Junghyun Kim
Frank Dadzie



Software Purpose

Provide communities with a tool for finding discount price produce near them.

Provide stores with a tool for selling produce which expiration date is due soon.

The app will function as a digital marketplace, where users can create listings or shop through existing listings.

Payment will be handled on location between vendor and customer, no in-app payment system.

Allows for underserved communities to more easily find affordable food.

Reduces the waste created from expired foods.

Reduce the money lost for unsold expired products.



Technical Platform

Use Android Studio to develop the app. (Android only app)

GPS location and maps supported by Google Maps

NoSQL database storage and API ran through Firebase.

Web image hosting through imgur.com



Vendor Functionalities

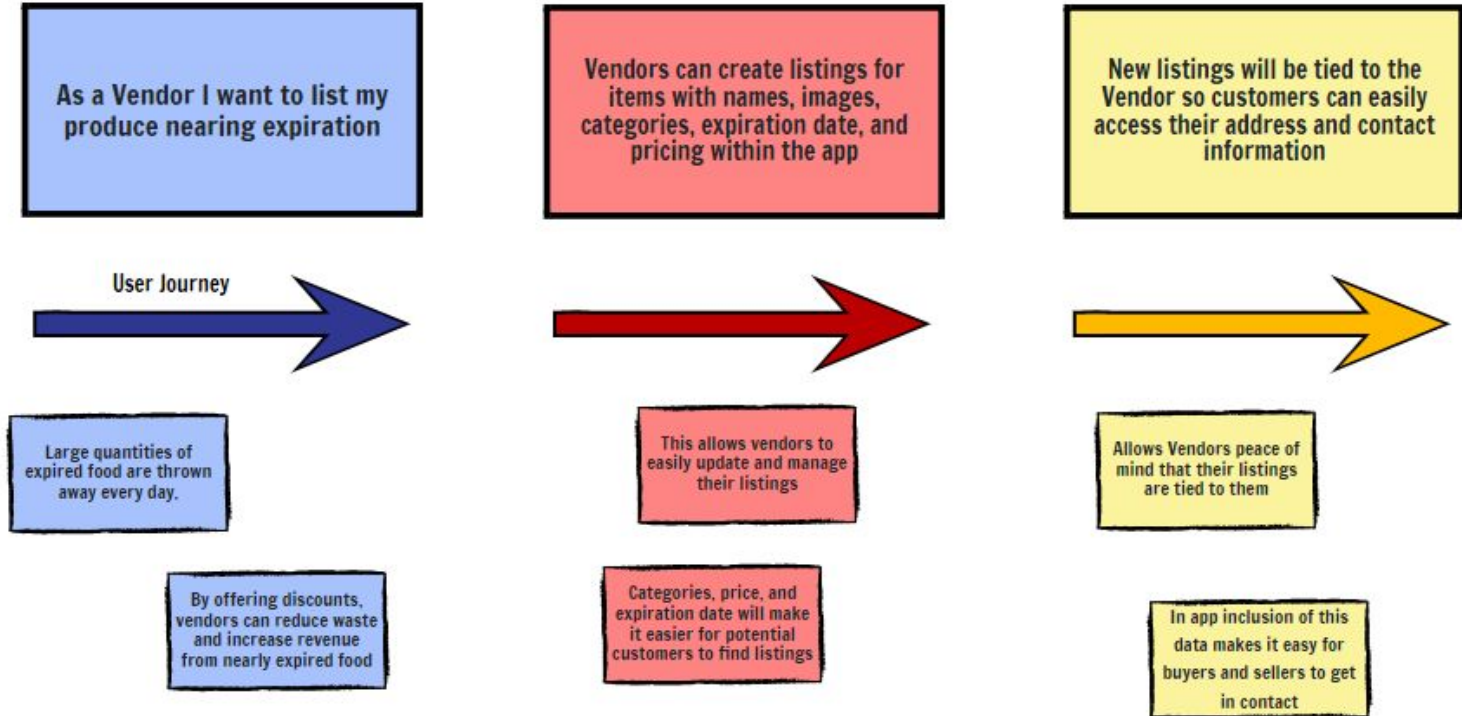
1. Create listings with image, price, description
2. Remove listings past expiration
3. Mark listings sold
4. Update store address and name



Buyer Functionalities

1. Use GPS and Maps
2. Browse catalog of local produce
3. Use in app vendor information for contact and directions
4. Add vendors to a favorites list to see new listings by these shops

Vendor Story



Buyer StoryBoard

1



Description

The buyer checks the refrigerator and sees that it has no food left to eat.

2



Description

The buyer checks wallet and sees that only has a small amount of money to buy food

3



Description

Buyer remembers the Foodsaver app that downloaded. With this app, buyers can buy food that is about to expire for a lower price.

4

A login form titled "Login Form" is centered on a pink-to-purple gradient background. The form is white with a thin grey border. It contains two buttons at the top: "login" (pink) and "signup" (white with a pink border). Below these are two input fields: "Email Address" and "Password". A link "Forgot password?" is positioned below the password field. At the bottom of the form is a large pink "Login" button. Below the form, the text "Not a member? Signup now" is displayed in a small font.

Description

Buyer signup in the food saver app
Here, the buyer enters his credentials and password, which is secure and saved in Firebase.

5



Description

Buyers see merchants selling food close to their location. The app asks for GPS use permission from the user and automatically shows the merchants in a 25 miles range

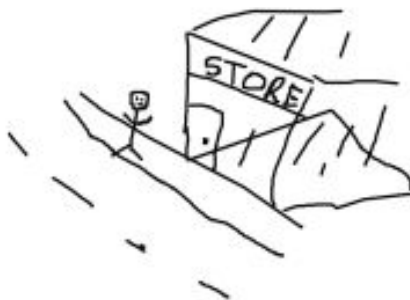
6



Description

Buyer can see all the available products with the expiration date and price discount of the merchant

7



Description

The buyer gets the address of the place and goes there to buy discount-priced produce.