



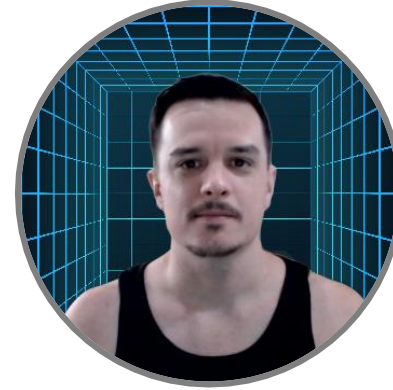
**CEN3031 - Fall 2023 - Group 15**

# MEET OUR TEAM



**Geoffrey Watson**

Product Manager



**Alec Patterson**

Development Team



**Alyssa Perkins**

Scrum Master



**Esteban Medero**

Development Team

# PROBLEM

According to Feeding America, a nonprofit foodbank network, 34 million people in the United States are food insecure with 9 million of those people being children. It is estimated that roughly 119 billion pounds of food is wasted annually.

## PROPOSED SOLUTION

To combat the combined problem of food insecurity and waste, we propose a software solution that connects food donation organizations with businesses who want to reduce their food waste and give back to the community.

# USER STORIES

*Restaurants,  
hotels, small  
businesses, grocery  
stores, etc.*

As a donator, I want to be able to notify local shelters and community organizations that food is available for pickup.

As a donator, I want to know when somebody is on the way to pick up the donation.

*Food Banks,  
Shelters, Meal  
Centers*

As a donatee, I want the ability to reserve a pickup.

As a donatee, I want to search for food that is available.

*General Users*

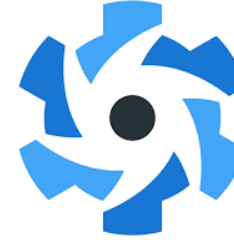
As a user, I want to know my credentials are safe, secure, and verify that it is always myself.

As a user, I want to be able to handle my transactions with as few clicks as possible.

# Coding Languages and Tools

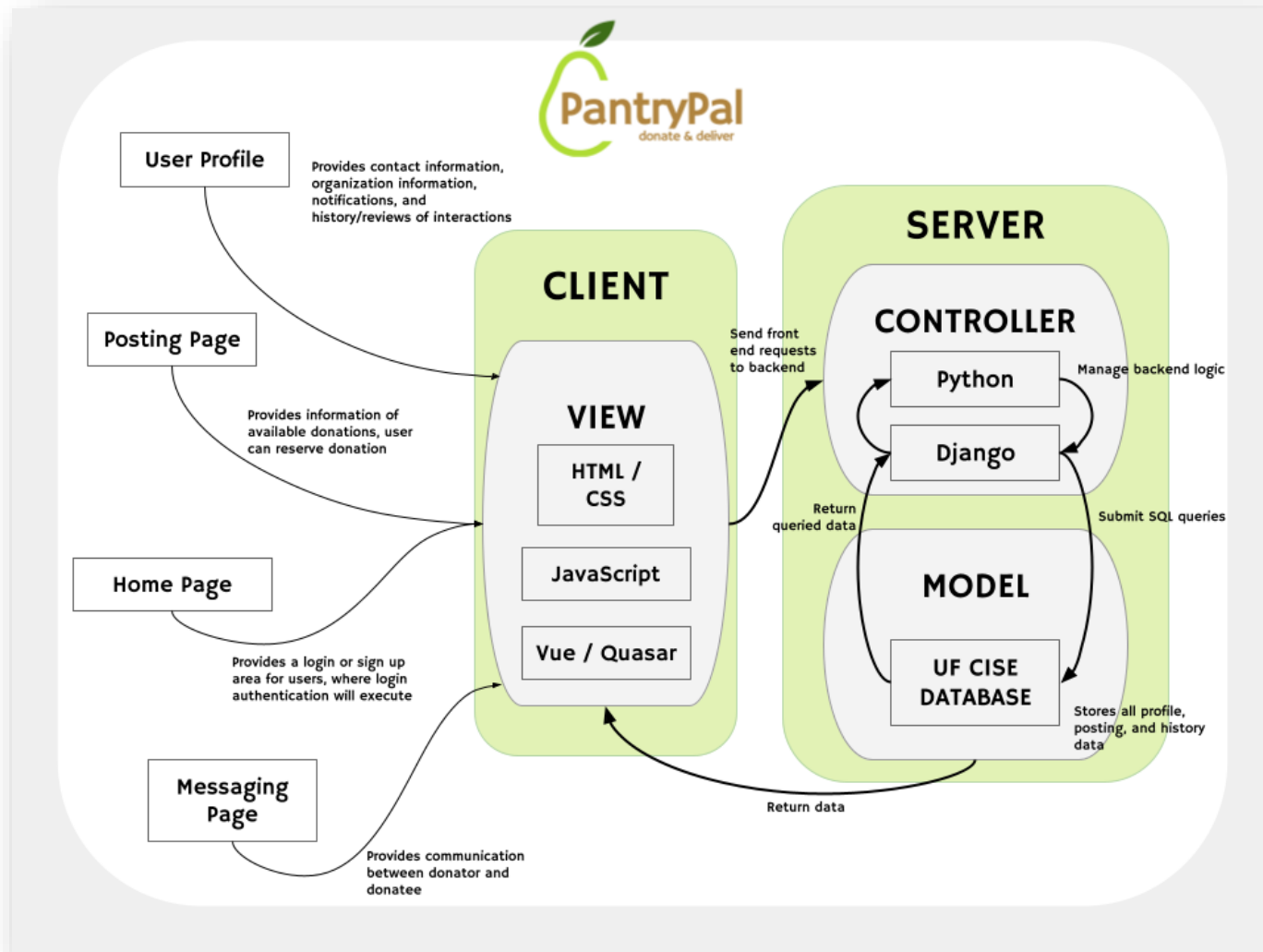
To develop this project, our software product will be broken down into a front-end, back-end, and a database. Namely Vue.js with Quasar framework, Django, and Oracle SQL.

- Quasar allows for the creation of a dynamic and engaging front-end
- Django manages the business logic and interactions on the server side
- Oracle SQL handles data persistence and retrieval with high efficiency and security.



# Architectural Design

We chose to use the Model View Controller communication pattern with Client-Server Architecture. This is due to our use of Vue.js and Django backend, as this gives us a clear client-server separation.



# Product Backlog

1 = Very Low | 2 = Low | 3 = Medium | 4 = High | 5 = Very High

Description	Priority	Story Points	Assignee(s)	Sprint
Design Database Schema	5	5	EM, AJP	-
Design Reserved Pickups	5	1	EM, AJP, AP, GW	-
Implement Database	5	13	EM, AJP, AP, GW	-
Implement Food Submission Page	5	3	AJP, EM	-
Implement Home Page	5	3	AP, GW	-
Implement Login	5	13	AJP, GW	-
Implement Postings Page	5	21	EM, AJP, AP, GW	-
Implement Reserved Pickups	5	21	EM, AJP, AP, GW	-
Design Food Submission Page (Donator)	4	1	EM, AP	-
Design Home Page	4	1	AP, GW	-
Design Posting Page (Donatee)	4	1	EM, AP	-
Implement User Roles in App	4	5	AJP, AP	-
Create User Action Flow - Donatee	3	2	EM, AJP, AP, GW	-
Create User Action Flow - Donator	3	2	EM, AJP, AP, GW	-
Design Profile Page	3	3	EM	-
Design Wireframe for Pages	3	3	AP, EM	-
Implement Profile Page	3	5	EM, AJP	-
Design Notifications System	2	1	EM, AJP, AP, GW	-
Design Reviews System	2	2	EM, AJP, AP, GW	-
Implement Communications Page	2	2	EM	-
Implement Notification System	2	21	AJP, AP	-
Create Food Preferences on Profile Page	1	3	AP, GW	-
Design Communications Page	1	0.5	EM	-
Implement Review Posting Page	1	8	AJP, AP, EM	-
Implement Reviews System	1	8	AJP, AP, EM	-

# Sprint 0 Backlog

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# Sprint 1 Backlog

▼ PantryPal - Sprint 1 29 Oct – 18 Nov (13 issues)				126	0	0	Start sprint	...
✓ KAN-29 Implement Login	TO DO ▼	13	PA					
✓ KAN-30 Implement Postings Page	TO DO ▼	21						
✓ KAN-31 Implement User Roles in App	TO DO ▼	5	PA					
✓ KAN-52 Create Food Preferences on Profile Page	TO DO ▼	3						
✓ KAN-42 Implement Food Submission Page	TO DO ▼	3	PA					
✓ KAN-43 Implement Profile Page	TO DO ▼	5	EM					
✓ KAN-44 Implement Communications Page	TO DO ▼	2	EM					
✓ KAN-45 Implement Home Page	TO DO ▼	3						
✓ KAN-46 Implement Reviews System	TO DO ▼	8	PA					
✓ KAN-47 Implement Review Posting Page	TO DO ▼	8	PA					
✓ KAN-48 Implement Notifications System	TO DO ▼	21	PA					
✓ KAN-49 Implement Reserved Pickups	TO DO ▼	21						
✓ KAN-51 Implement Database	TO DO ▼	13						

# Issues & Next Steps

## *Issues*

- Learning curve with new tools slows development
- Implementation may take more time than estimated
- Tools may not work together as expected, may need to reroute development plans

## *Next Steps*

- Finalize wireframe
- Finalize database schema
- Learn new coding tools quickly