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CMSI 4072: SENIOR PROJECT II

# FOOD RECOVERY NETWORK

LMU chapter



# WHAT IS FRN?

- Student-led nonprofit organization consisting of 8,000+ students, business leaders, farmers, and dining providers
- Goal: “recover surplus food from across the supply chain, deliver it to local community nonprofits and then serve those experiencing hunger”
- LMU chapter





## WHAT IS IT?

A web application that helps users easily schedule pick-ups/drop-offs, track the amount of food recovered each week, and increase awareness about the FRN

## WHO IS IT FOR?

FRN volunteers, Sodexo workers, St. Joseph's Center staff members, and anyone interested in learning more about FRN!





## GOAL 1:

Allow users to sign up to help out with FRN deliveries during the current semester and view the route they need to take.

## GOAL 2:

Allow users to input and track the type and quantity of each food recovered on a specific date.

## GOAL 3:

Provide an easy-to-use user interface that maintains organization for the program for all members involved in the FRN.

## GOAL 4:

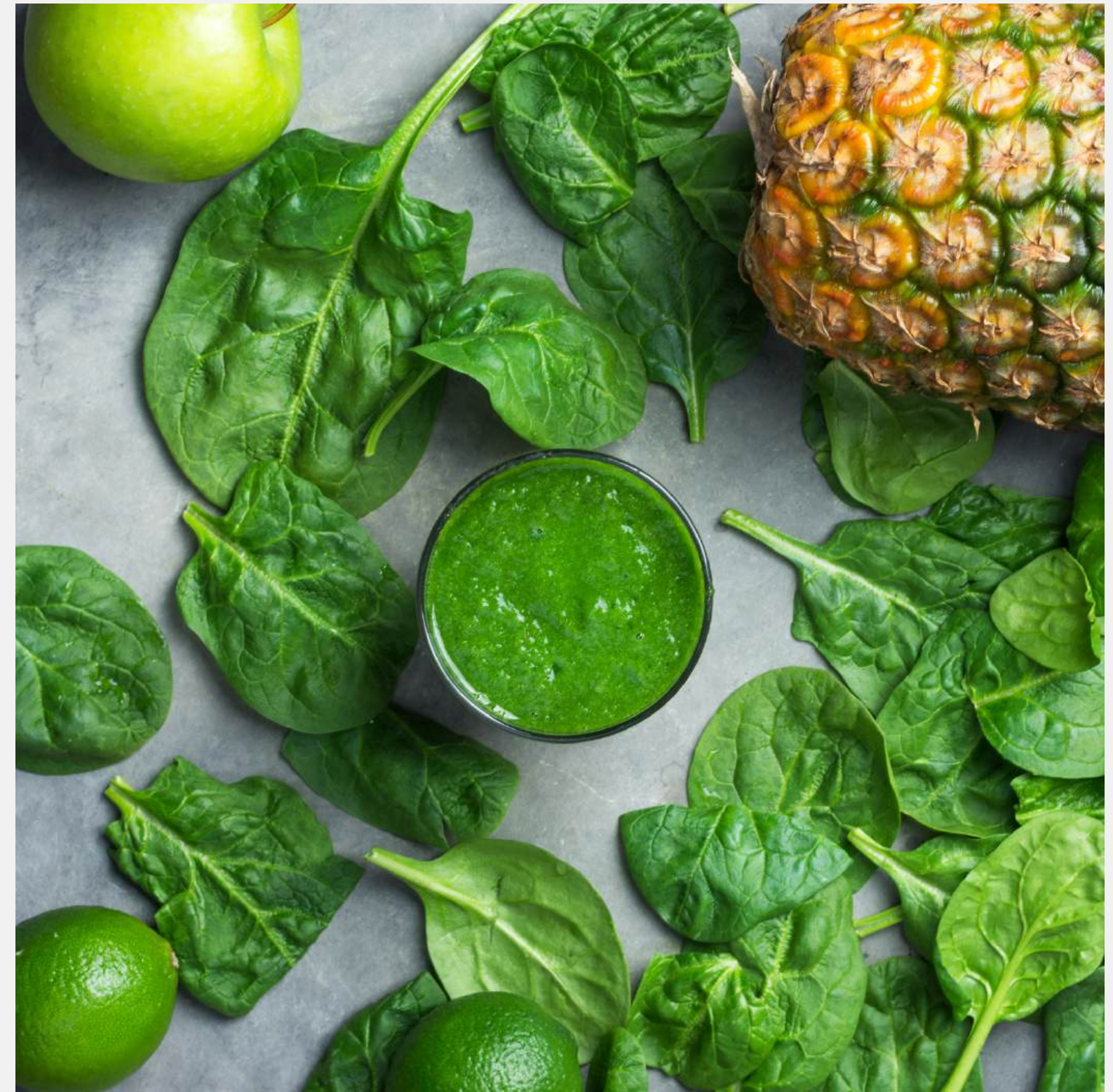
Educate the LMU community on the issue of food justice and provide an easy way to get involved!

# PROJECT GOALS



# WHY?

- Passionate about food justice!
- Collaborated with ASLMU and my service organization (Sursum Corda) to start a FRN chapter at LMU last year
- Currently no website for this program
- Test and enhance my skill sets





# USER INTERFACE





# WEBSITE DEMO







# PROJECT CHALLENGES

## FIREBASE

Some initial issues with user authentication and management

## MERGE

Combining the front-end and the back-end to create a cohesive website

## APIs

Some issues when implementing both the Google Maps and Twilio APIs



# STATUS UPDATE

- Profile page
- Fully working Google Maps API and Twilio API
- Store food tracker information with Firebase and produce a list of the saved information
- UI updates





The background is a vibrant collage of green ingredients. On the left, there's a close-up of fresh basil leaves. In the center, several zucchini are piled together. To the right, there's a bunch of spinach and a single green apple. In the top right corner, a glass jar filled with green smoothie is visible, wrapped in a piece of burlap. The entire scene is set against a solid green background.

**THANK YOU!**

**ANY QUESTIONS?**