



# LMU Food Recovery Network

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Spring 2025: CMSI 4072



## Objective

Facilitate LMU's FRN program by providing a simple way to track recovered food, sign up to volunteer, and promote involvement

## Purpose

Reduce food waste at LMU, support local communities, and increase awareness about the issue of food insecurity

## Justification

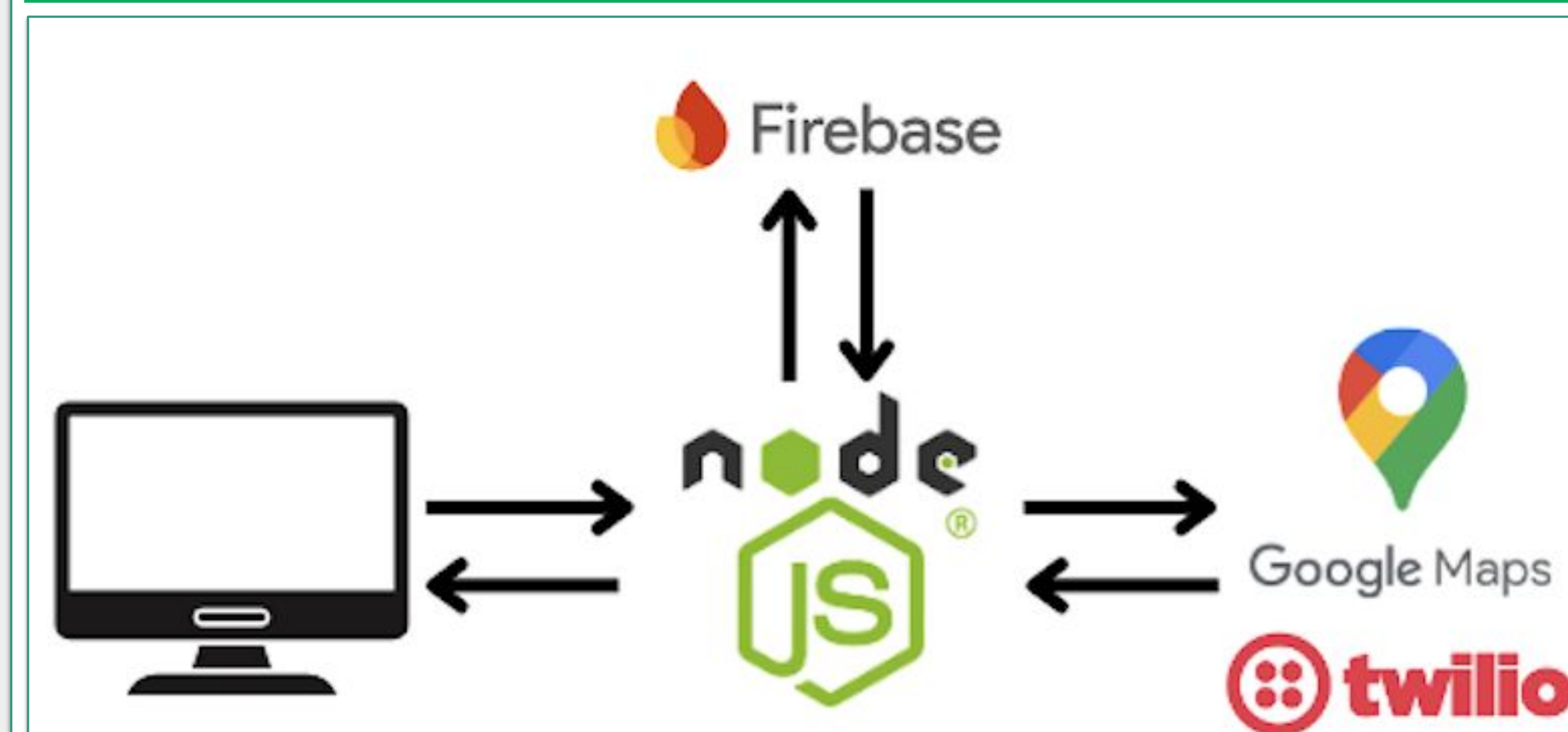
After starting a FRN chapter on campus and with my passion for food justice, I wanted to create a tool to help run this program smoothly and efficiently.

## Key Features

Users are able to:

- log in or create an account and sign up
- read more about what FRN is and how to get involved on campus
- sign up to volunteer during the current semester
- view the route for deliveries
- track the type and quantity of food items donated on a specific date
- donate to the FRN on their main website

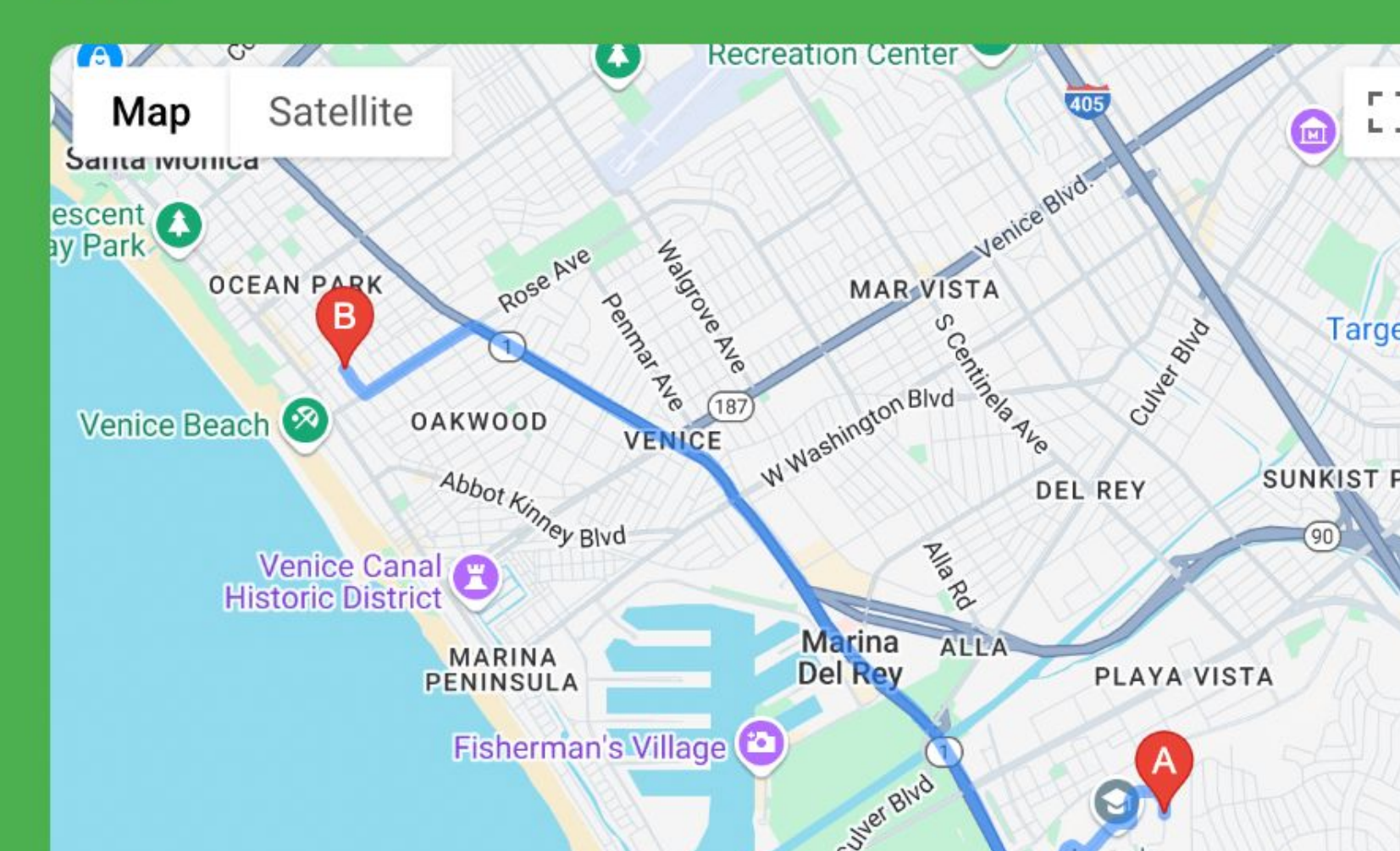
## Graphics



### Spring 2025

Date	Pickup Time	Route	Sign Up
Sunday, April 20, 2025	8:00 AM	LMU Lair → St. Joseph's Center	Sign Up
Sunday, April 27, 2025	8:00 AM	LMU Lair → St. Joseph's Center	Sign Up
Sunday, May 4, 2025	8:00 AM	LMU Lair → St. Joseph's Center	Sign Up
Sunday, May 11, 2025	8:00 AM	LMU Lair → St. Joseph's Center	Sign Up

### Route



## Technologies

- **React.js:** Rendering UI and making API requests
- **Node.js:** Enables efficient server-side scripting for handling back-end logic and APIs
- **Google Firebase:** Database for user authentication and real-time data storage
- **HTML:** Structures the website's content
- **CSS:** Styles the website's components
- **JavaScript (JS):** Responsible for interactive features on the front-end
- **APIs:** Google Maps API (displays deliveries route), Twilio API (sends SMS updates and reminders)

## Future Work

- Fixing bugs that cause Google Maps visualization to disappear
- Continuing to improve UI and the design
- Use an API to update schedules for future semesters

## References

Thank you so much to Dr. Johnson for his continuous support and feedback throughout this project!