



LMU Food Recovery Network

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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

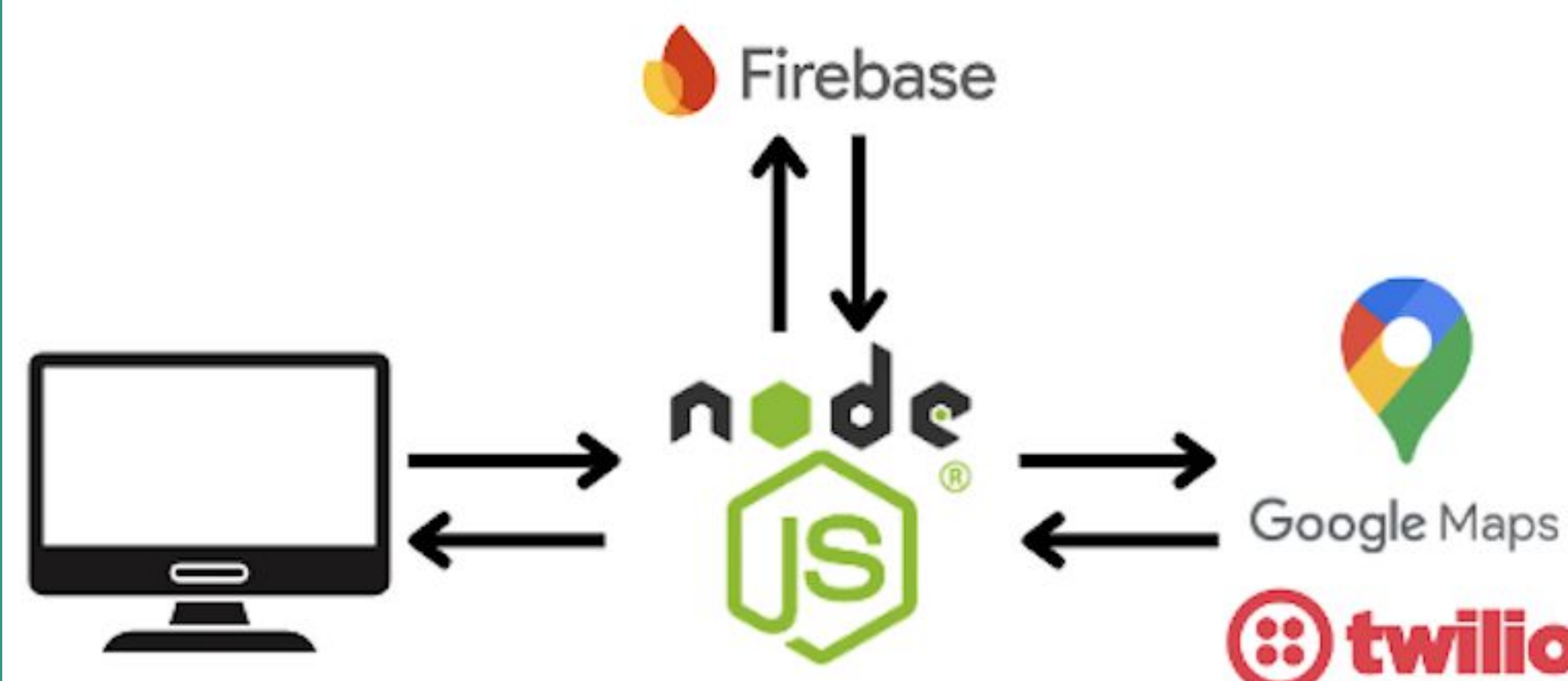
After starting a FRN chapter on campus and with my passion for food justice, I wanted to create a tool to help run this program smoothly and efficiently.

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



Food Tracker

Date of Pickup

Input type of food Input quantity

Save + Add another

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!