Meal Sharing Milestone 4 : Project Implementation

By Ryan Davis, Cory Vitanza, Ivan Farfan, and Johan Jaramillo

Team introduction & breakdown of roles

Ryan Davis

- Implemented request logic allowing guests to request joining a meal and hosts to approve the request.

Ivan Farfan

- Manages SupaBase DB, implemented guest's ability to browse meals based on location, time, and meal information.

Johan Jaramillo

- Implemented rating system for users and hosts, as well as hosts rejecting a guest's join request.

Cory Vitanza

- Reviewed pull requests, as well as focused on documentation. Performed bug testing/fixing.

Functional Requirements for Milestone 4

Guest:

- Browse meals by:
  - Location proximity
  - Date and time
  - Meal/course info (ingredients, course names)
- Send a request to join a meal
- Added to meal after approval
- Get request result updates (in-app or via email/text)

Host:

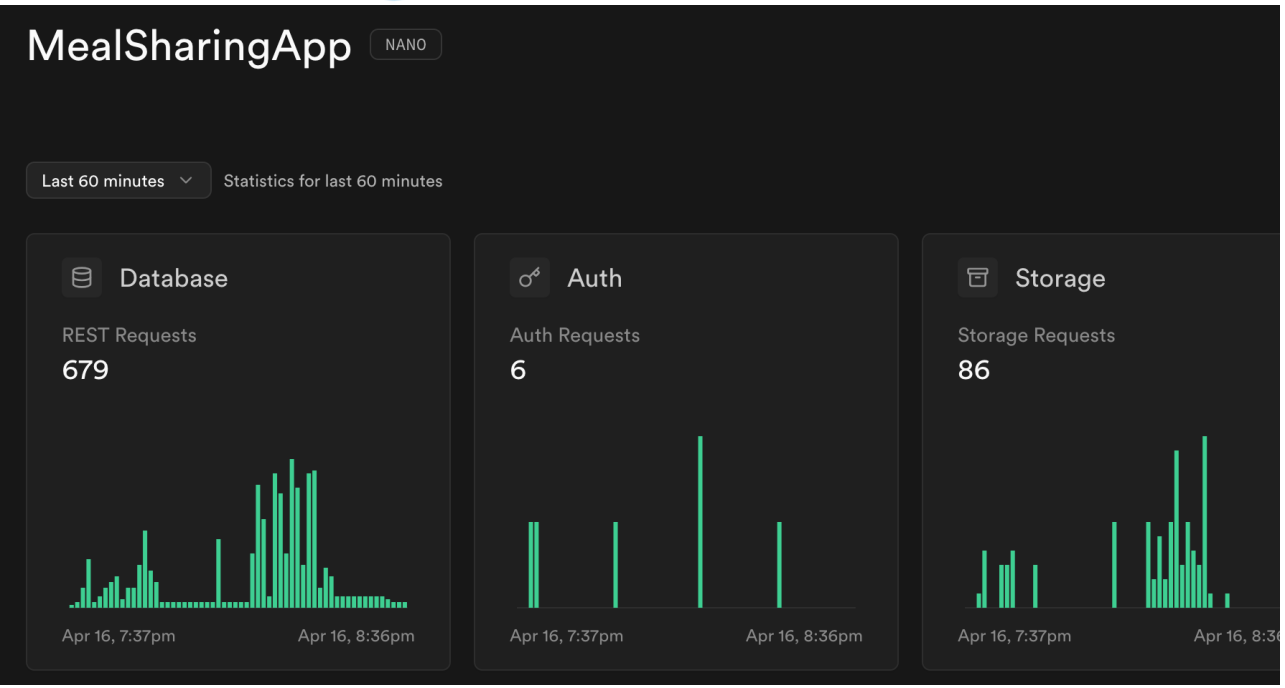
- View, accept, or reject join requests

Note that these contributions / graphs do **not** include merge commits.
(Contributions per week to main, excluding merge commits)

Project Activity

Overview of GitHub Repository

- **GitHub**: Utilized for version control and collaboration through branches and pull requests.
- **Branching**: Allowed each developer to work on different components of the application independently.
- **Pull Requests**: Used for code review before merging completed tasks into the main branch for deployment.
- **Features Board**: An agile board was used to manage the assignment and completion of tasks.
- https://github.com/IvanFarfan08/MealSharing/tree/main



Key technologies

- VSCode
- React (TypeScript)
- SupaBase Database
  - Data handling
  - Schema
- GitHub:
  - Pull Requests
  - Version control


Our Demo

Challenges and Strengths

Challenges

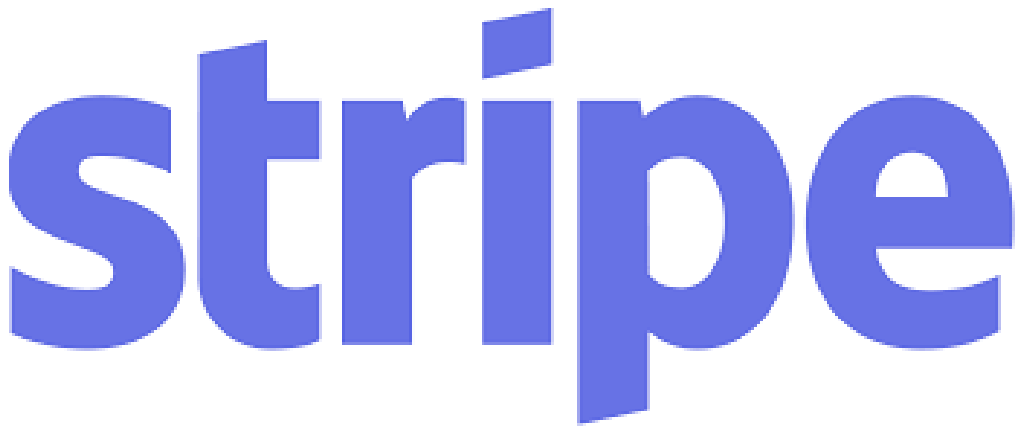
- Resolving merge conflicts related to changes made in the same files locally and remotely.
- Sending and receiving correctly formatted data to and from the database.
- Learning React while implementing the required functionalities of the software.
- Implementing deployable software on diverse systems (Android).
- Our DB broke and we had to reach out to Supabase support :/

Strengths

- Using pull requests to ensure minimal conflicts in merging code
- Testing process flows using scenario tests and direct tasks to ensure working system functionalities.
- Implementing the functionalities required for the milestone.

Milestone 5 Goals

- Ensure that the following system requirements are met:
  - Create, post, and view (not search) a meal invitation
  - Browse (allow search) for a meal invitation, the guest can respond to an invitation, the host can accept/reject request of a guest
- Implement payment system using Stripe API to implement payment functionality.
- Implement AI into this project
  - Ingredient listing, etc.



Thank you!

Questions?