



# BonAPPétit

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## Project Description

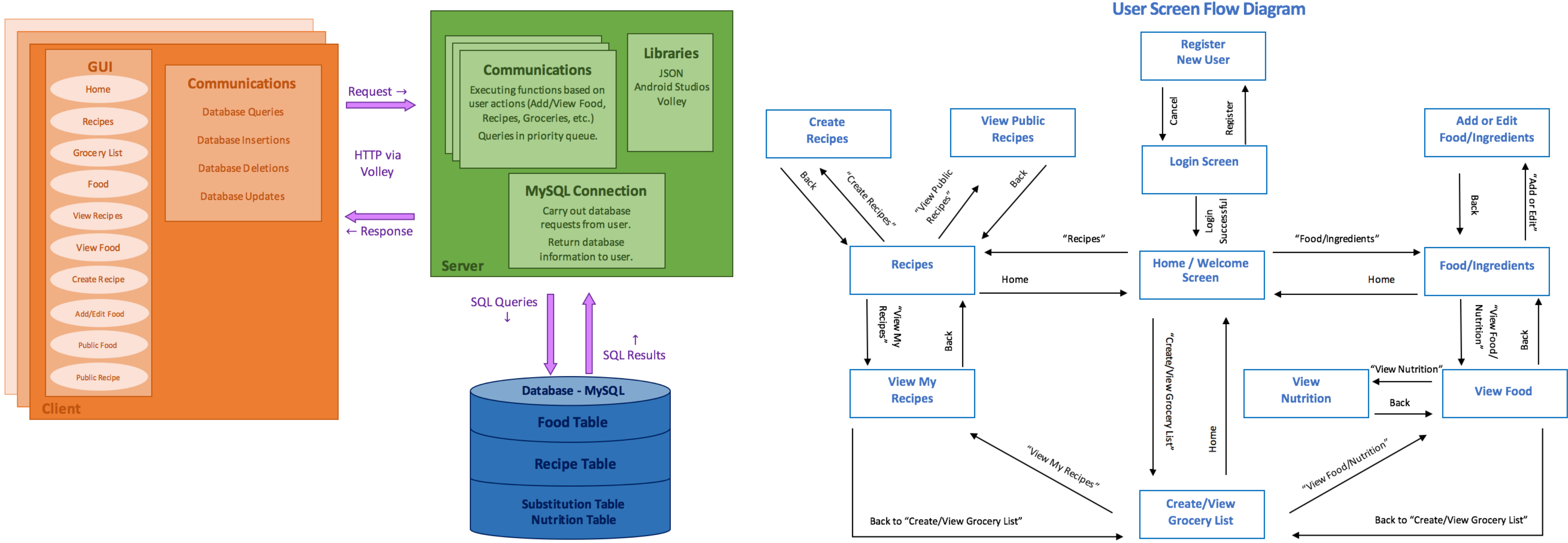
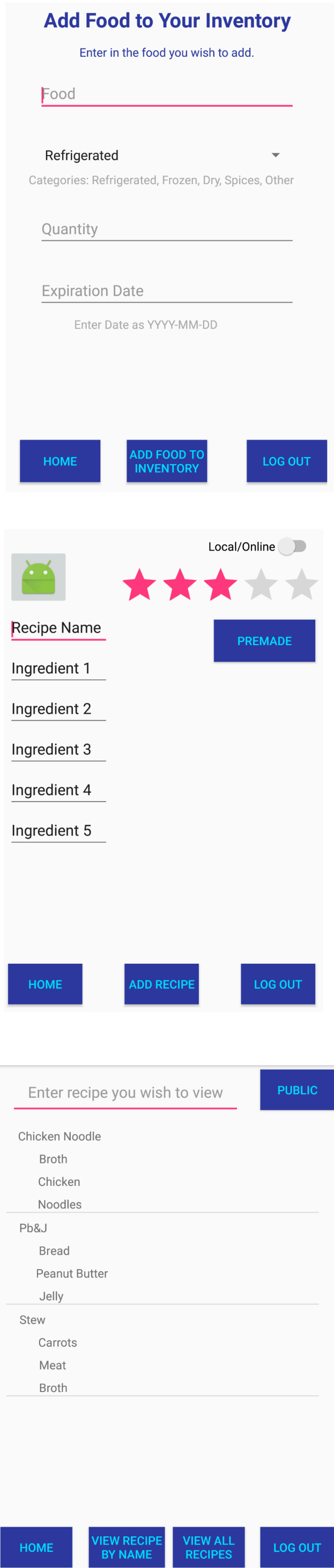
This application provides users with a way to keep track of the food available in their household. In addition to this, the application also provides specific information about the foods (type, quantity, expiration date, nutrition specifics). Users can add or view food in their pantry and create a shopping list to use at the grocery store. The application has the capability to let users add and view their favorite recipes or view recipes submitted to a public repository.

## List of Actors

- User** – everyday user of the application
- Administrator** – select one or two people with main privileges to application; owners of the application
- Developer** – handful of people with elevated privileges but not absolute power over the application; maintenance & further development

## User Interfaces

- Login/Registration**
  - Allows users to log into their individual accounts or register as a new user
- Add/View Food**
  - Allows users to keep track of the food in their house including expiration dates so food does not spoil
  - View Food also allows for the option to view nutritional values of food items in the user's food database
- Add/View Recipes**
  - Allows users to view or create their own personal recipes and view recipes from a public database
- Shopping List**
  - Allows users to add, delete, or delete all items to their shopping/grocery list



## What went wrong

- Individual technical computer issues
- Team member left

## What went right

- Pages/Screens successfully work together
- Shopping List operates as an actual checkable list
- The application does not crash

## Module Interfaces

- GUI Interface**
  - The interface that allowed users to interact with the application
- Volley HTTP Library/PHP**
  - The communication interface between the Android Studio application and the server
- MySQL Database Interface**
  - The interface that allowed the application to access information from the user's personal database or the public database

## Design Decisions

- Pages/Screens were self-contained units to allow for easy implementation and future modifications
- Used Volley, PHP, and MySQL to facilitate the addition, deletion, or modification of database information

## Lessons Learned

- Integrate early, integrate often
- Learned Android Studio, how to create a GUI, how to interact with a database

## Team Info

Team GB\_05  
Caleb Hendrickson – CPRE (Sophomore)  
Tracy La Van – CPRE (Senior)  
Nicholas Pecka – CPRE (Junior)

