

# HomeHub

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Team members:, Reese Kilbarger-stumpff, Collin Lowe, Zuojun Lin,  
Dawson Davis-pounders, Pranav Kaliaperumal

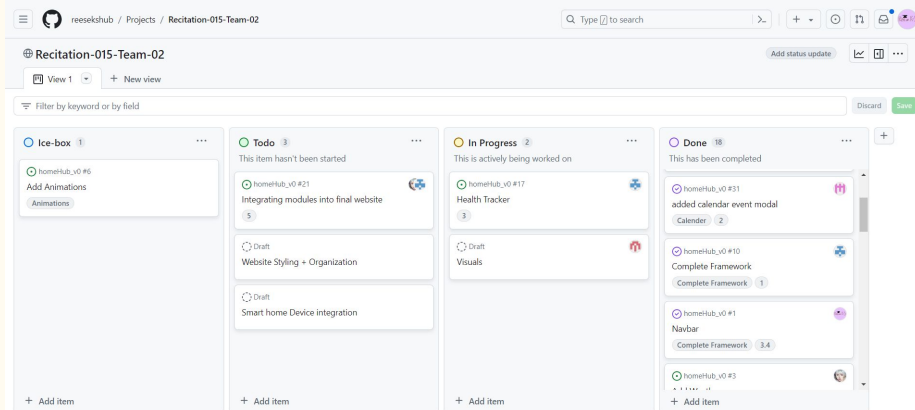
## Description of our Project

HomeHub - Your Personal Home Display is the central command center for the interconnected modern home. This application offers an intuitive graphical user interface that allows users to seamlessly manage and integrate their daily tasks, home devices, and personal health data into one customizable dashboard

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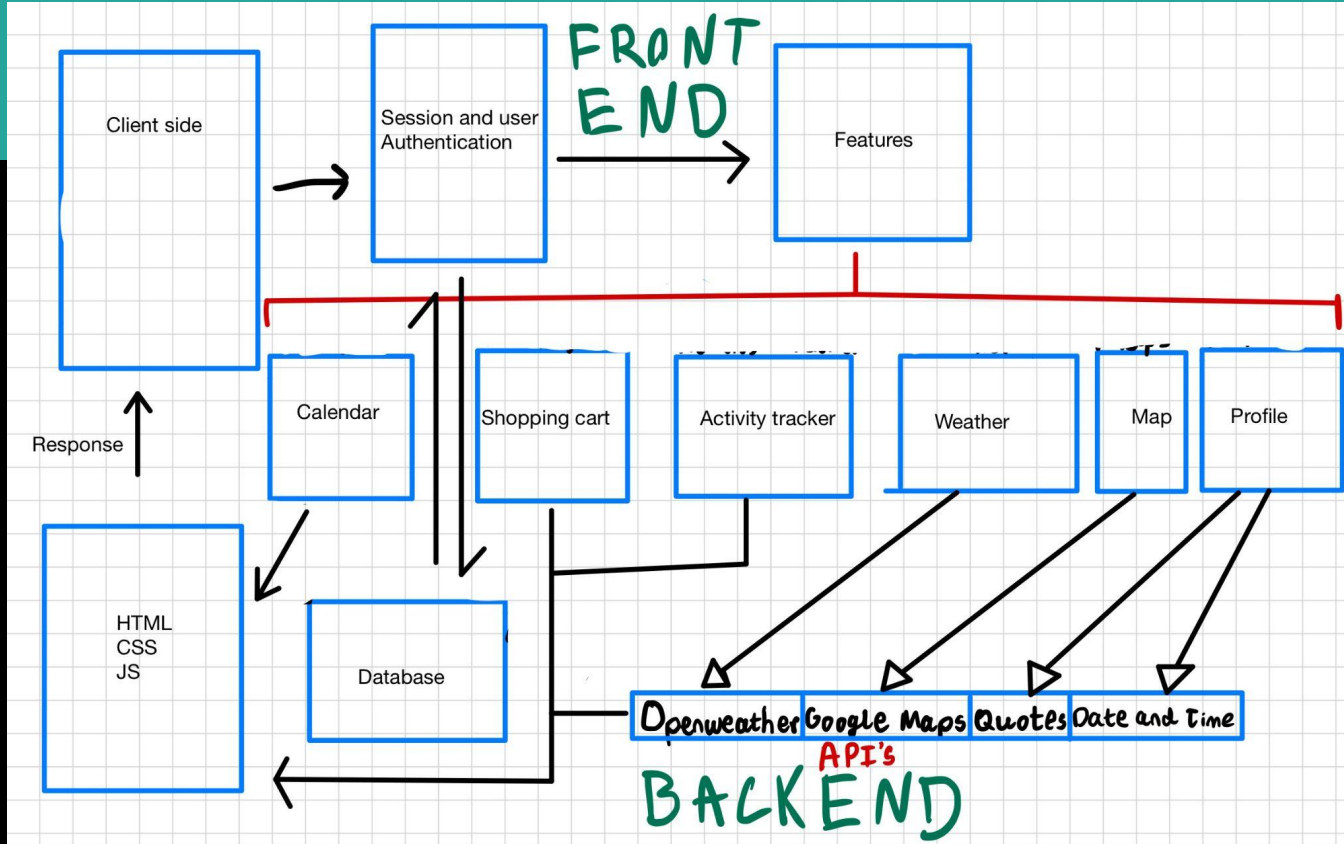
# Tools

All the tools our group used



- VScode - IDE- 5/5
- Github -Version Control - 5
- Docker - Containerization - 4
- HTML/Javascript/CSS - front-end - 5
- Handlebars - 3
- PostgreSQL - Database - 3
- Bootstrap - front-end - 4
- Openweather API - 4
- Google Maps API - 4
- Quotes API -2
- Date and Time API -2
- Agile Methodology - 5

# Architecture Diagram



# Challenges

**Zuojun Lin:** I'm having problems with CSS miscommunication after completing the weather lookup and traffic conditions. This caused the page to become complicated when I merged some sections, and then I achieved a normal display after re-completing the main.hbs.

**Pranav:** I had issues with verifying if the old password is correct, and issues with checking the new password and old password against each other.

**Collin:** My biggest challenge during the project was having to implement a script to where I can display my items in a vertical list while giving the user the option to delete and add as many items needed in the shopping list.

**Caleb:** I had challenges with my CSS styling and Script while creating the calendar. This caused my calendar event modal to not display correctly and not work correctly. Eventually after locating the problem, I was able to fix it and the calendar was able to work effectively.

**Dawson:** The biggest challenge i came across was managing JS requests. I often had to tackle bugs that dealt with sending too many responses, especially when creating test cases. Another challenge was managing our version control through git and GitHub.

**Reese:** Understanding and maintaining the scrum framework.

# Future Scope/Enhancements

- Smart Home Device Integration
- Enhanced Styling
- Ability to share information(e.x. Text shopping list to someone)
- Ability to retain data across login sessions
- Ability to add event reminders for current day

## Proposed Implementation

Host on Raspberry Pi 3, connect to touchscreen and keyboard



~\$100 to deploy

# Video Demo

[Discover](#)[Logout](#)

## Home Hub Login

Username:

Password:

Login

Don't have an account? [Register here](#)

# Questions?

Thank you!!