

# The Clean Team - Bin Buddy

Mohammed Ahmed, Amay Kadakia, Shubhayu Shrestha, Nicholas Soliz

Dr. Shawn Gieser - CSE Senior Design - Summer 2022



## Vision

There have been times when we forget to put out our garbage bins on the curb for the garbage truck to pick up. The Clean Team want to ease the process of taking out one's garbage bins to the curb.



**Bin Buddy**

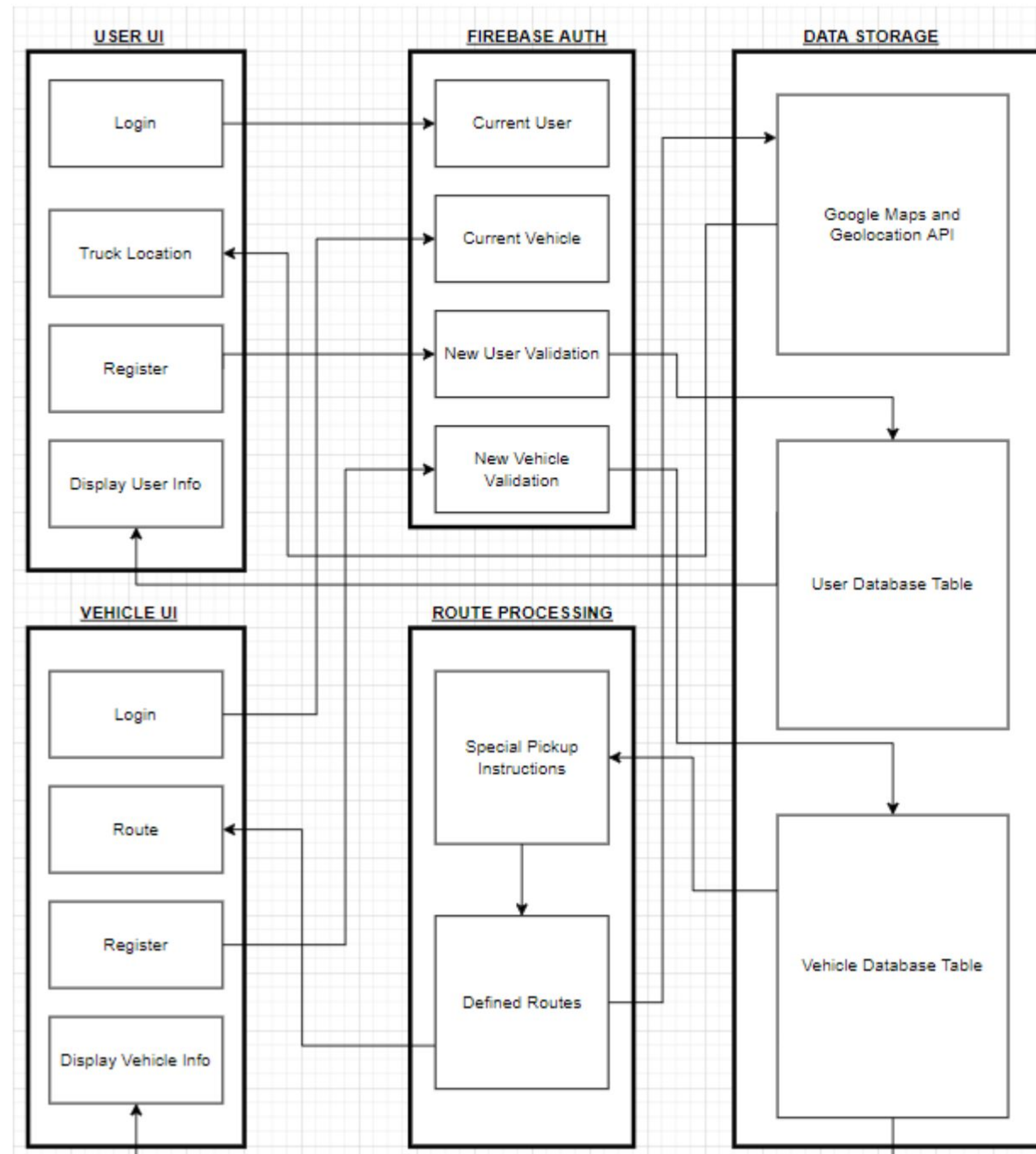
## Mission

Our ultimate goal is to make the trash disposal experience as simple and effortless as possible by creating a progressive web app (PWA) to display the location of the garbage truck as well as estimated time of arrival.

## Future Plans

Our app currently displays a map as well as the ETA for a garbage truck given a specific route. In the future, we plan to add additional features to our application, as well implement features we did not get to. This includes custom notifications that alerts users when the garbage truck is on the way.

## ADS Diagram



## Key Requirements

- The app must allow the customer and driver to securely log in
- The application must be able to store the user's information in a database
- The app must display a map with the garbage truck route and estimated time of arrival (ETA)
- The app must allow the user to edit account information
- The app must display proper disposal methods for different types of waste

## Technologies Used

