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Solution Challenge

AI for a better tomorrow



Team Details

a. Team Name: **IntelliJays**

b. Team Leader Name: **Jared Sheohn Acebes**

c. **Problem Statement:** How might we **reduce food waste** and **improve food security** for **smallholder farmers** by connecting them with nearby buyers through AI-driven matching and decentralized delivery networks?

Brief about your solution

Every year, tons of edible food go to waste while millions of people remain **hungry**—a gap caused by broken supply chains, lack of coordination, and limited access to distribution networks. This is a global issue that affects both cities and rural areas alike.

Our Solution, **AniMo** tackles the problem of food waste and accessibility through a **decentralized harvest-to-hand system** that directly connects local producers to consumers. By enabling farmers to sell surplus produce and leveraging community-based transport,

AniMo creates a cycle where food moves **efficiently** from harvest to household. This model not only minimizes waste but also boosts local income and ensures that good food **doesn't go to waste**—it gets to the people who need it, affordably and reliably.

Opportunities

How different is it from any of the existing ideas?

Traditionally, produce from farmers go through middlemen such as distributors and retailers before getting to consumers.

This solution proposes a direct farmer-to-buyer model with drivers as the link, directly bringing produce to consumers without the need for middlemen.

How will it be able to solve the problem?

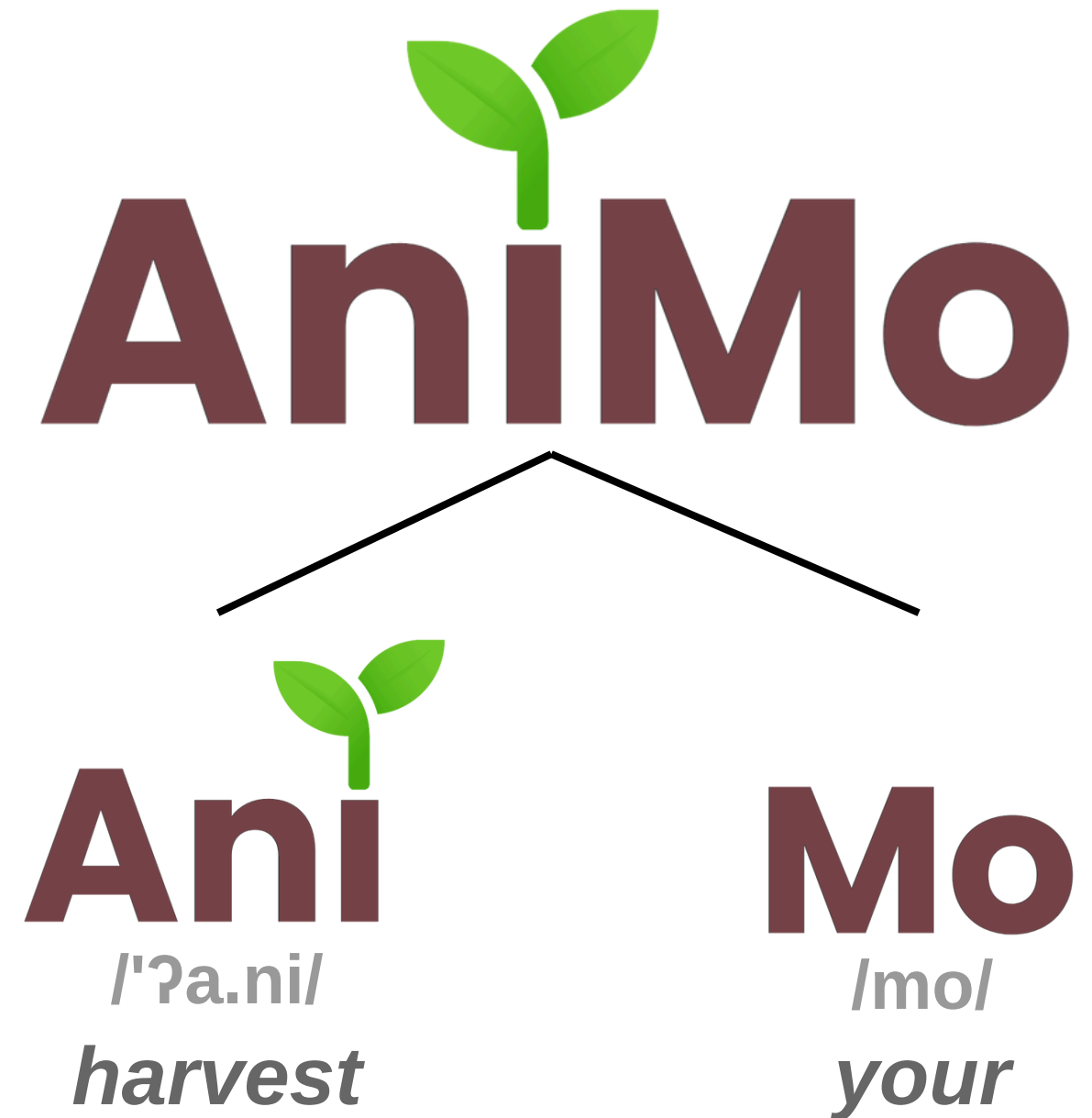
Farmers can sell their produce faster by reaching more customers online, compared to traditional selling in markets. Produce gets to consumers as soon as they are ordered, reducing food waste.

These advantages ensure that the majority of farmers' produce will arrive to customers fresh.

What is the Unique Selling Point of this solution?

Buyer orders are posted in real-time, allowing produce to be delivered from farm to table in the same day.

This solution also empowers buyers in that it allows them to see who exactly grew their food, where, and when it was harvested.



"Ani Mo" is a Filipino phrase meaning "your harvest."
 This name represents a simple way to bring our farmers' hard-earned harvest directly from the fields to buyers, with drivers ready to make the connection seamless."

List of features offered by the solution

Farmers

Manage Produce Listings

Farmers can add, edit, and remove available produce for sale.

Manage Buyer Orders

Farmers can view and handle incoming orders from buyers.

Buyers

Browse Produce Listings

Buyers can explore available fresh produce from nearby farmers.

Request Specific Goods

Buyers can place special requests for items not currently listed.

Track Order Status

Buyers can monitor their order's progress from placement to delivery.

Drivers

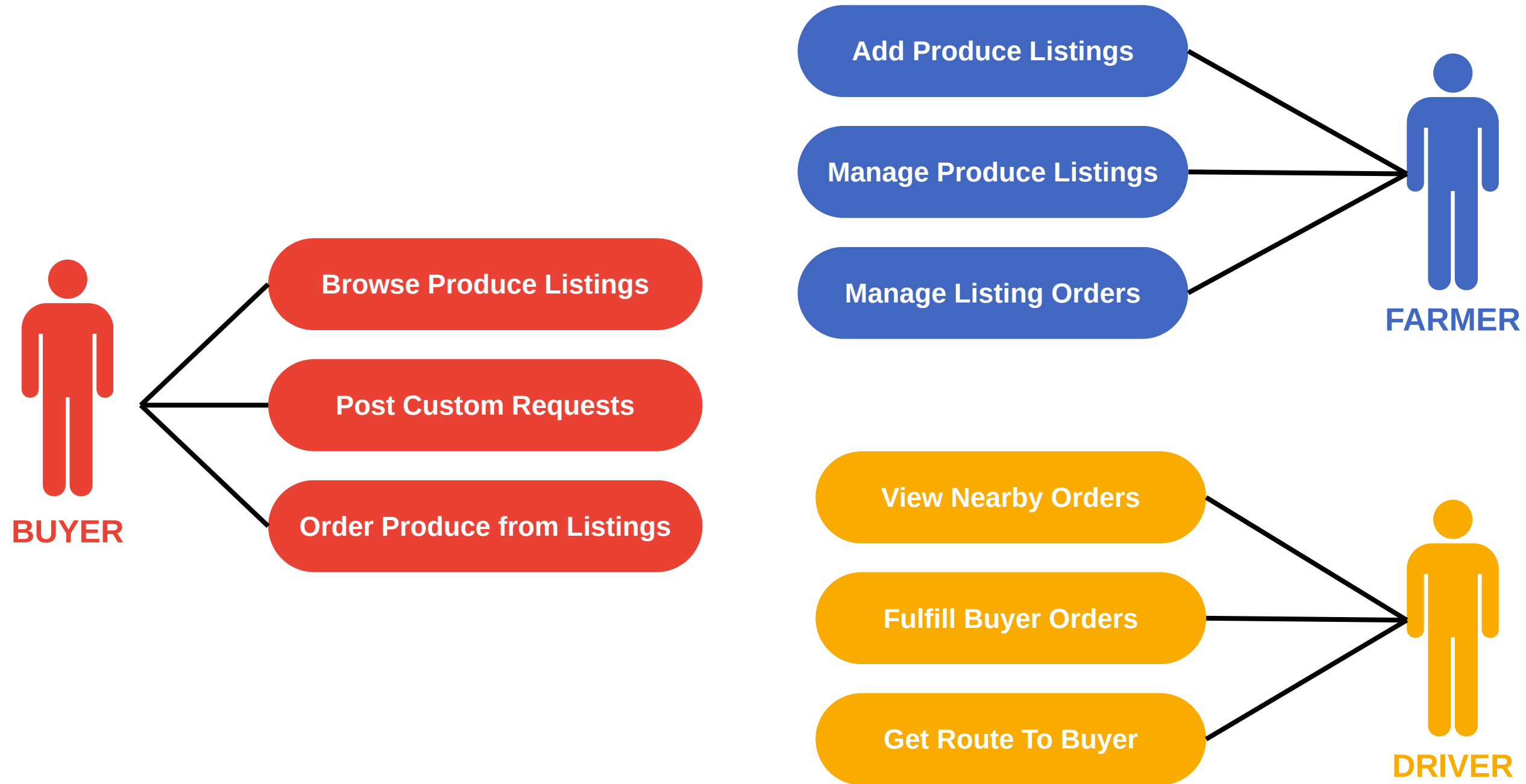
Accept Delivery Tasks

Drivers can choose delivery jobs based on location and schedule.

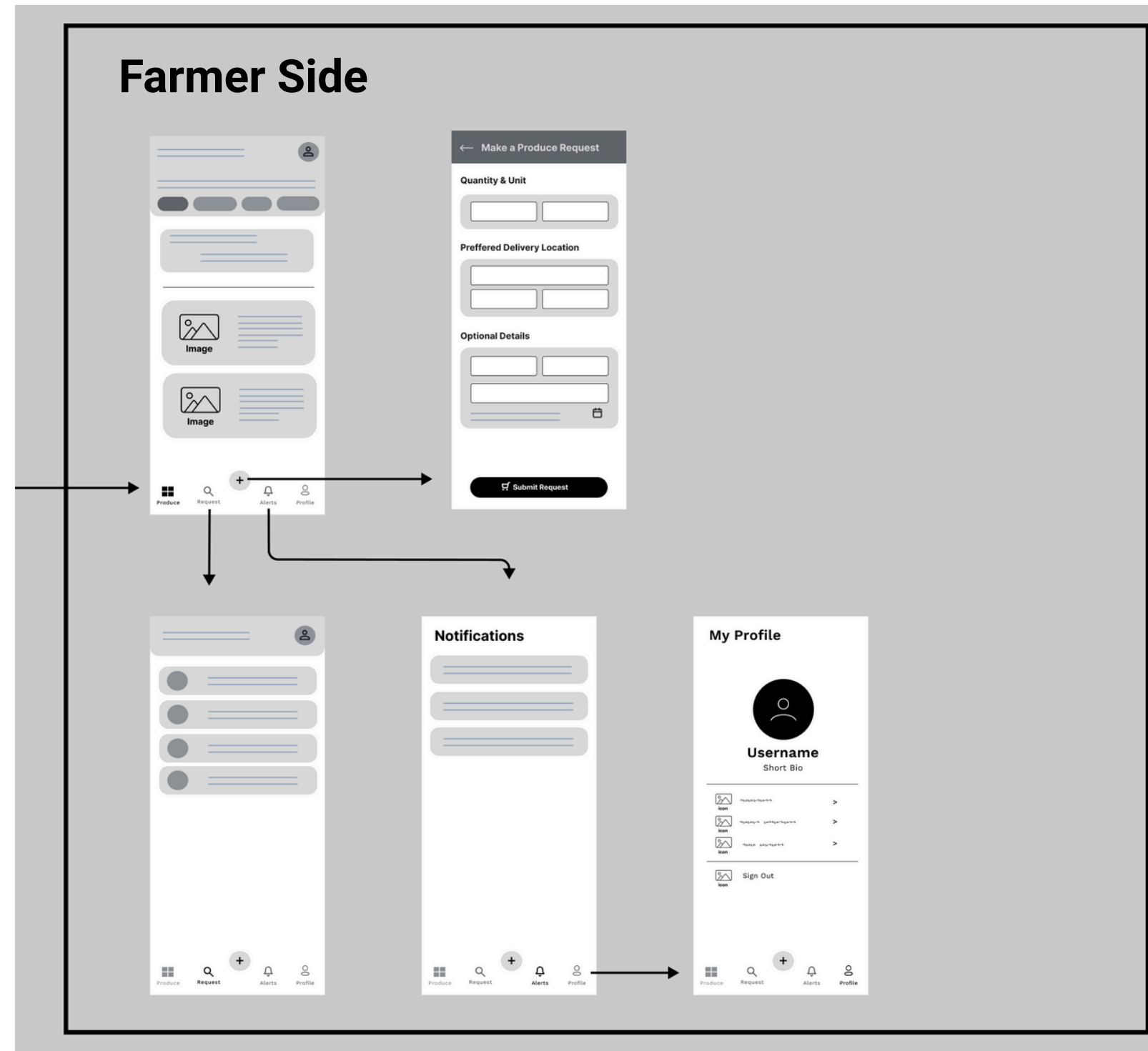
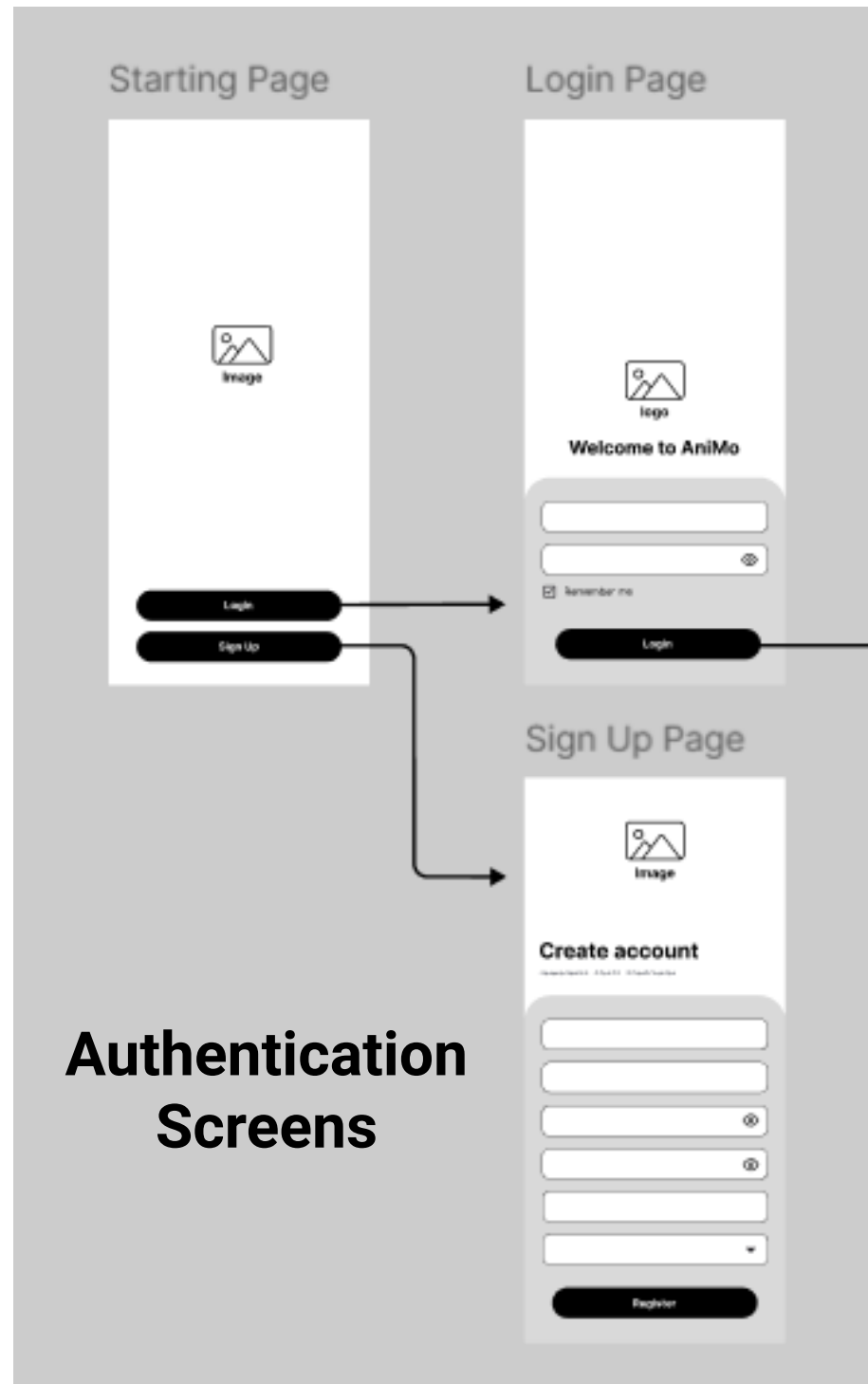
Receive Optimized Routing Suggestions

Drivers get efficient routes to ensure fast and fresh deliveries.

Process flow diagram or Use-case diagram

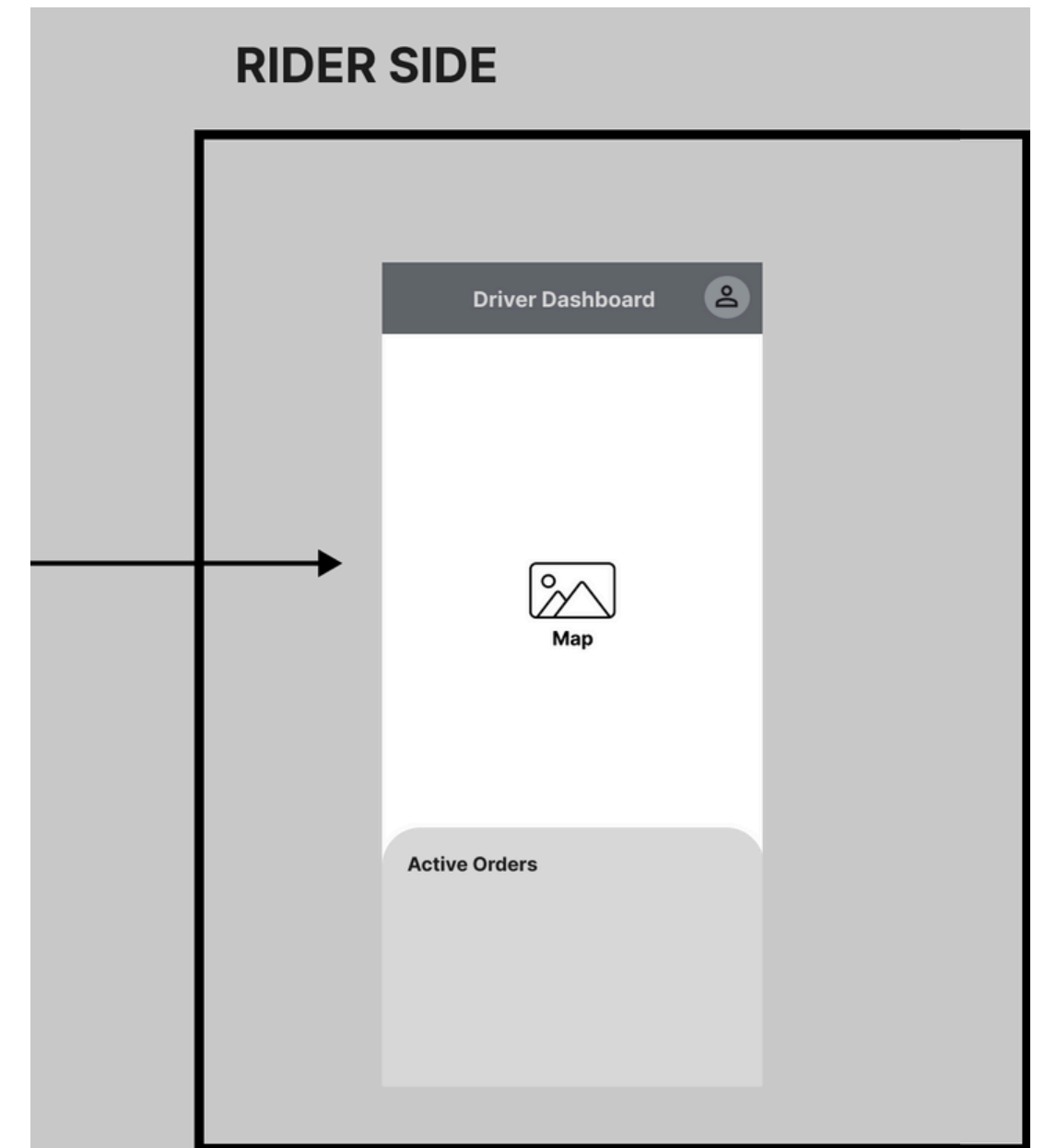
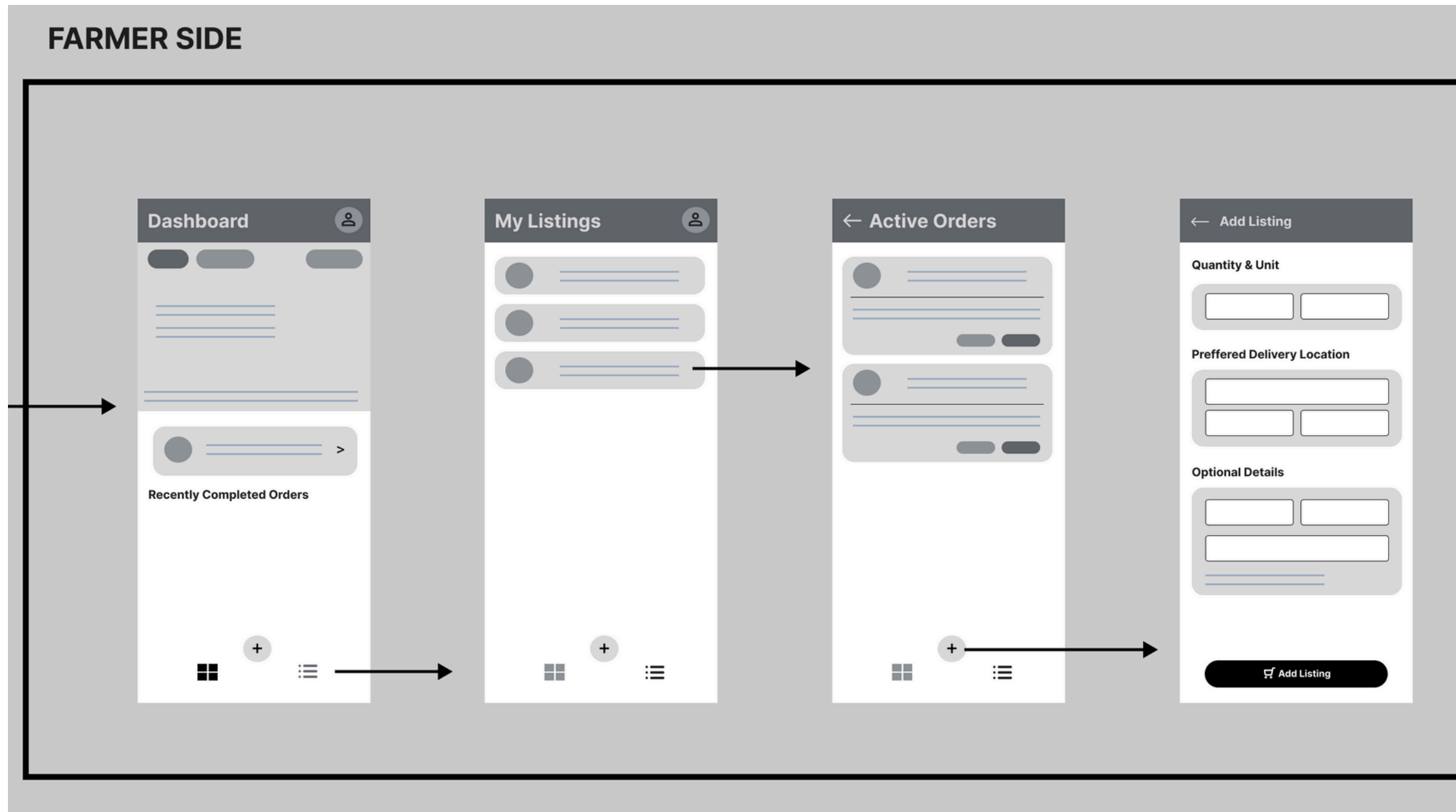


Wireframes/Mock diagrams of the proposed solution

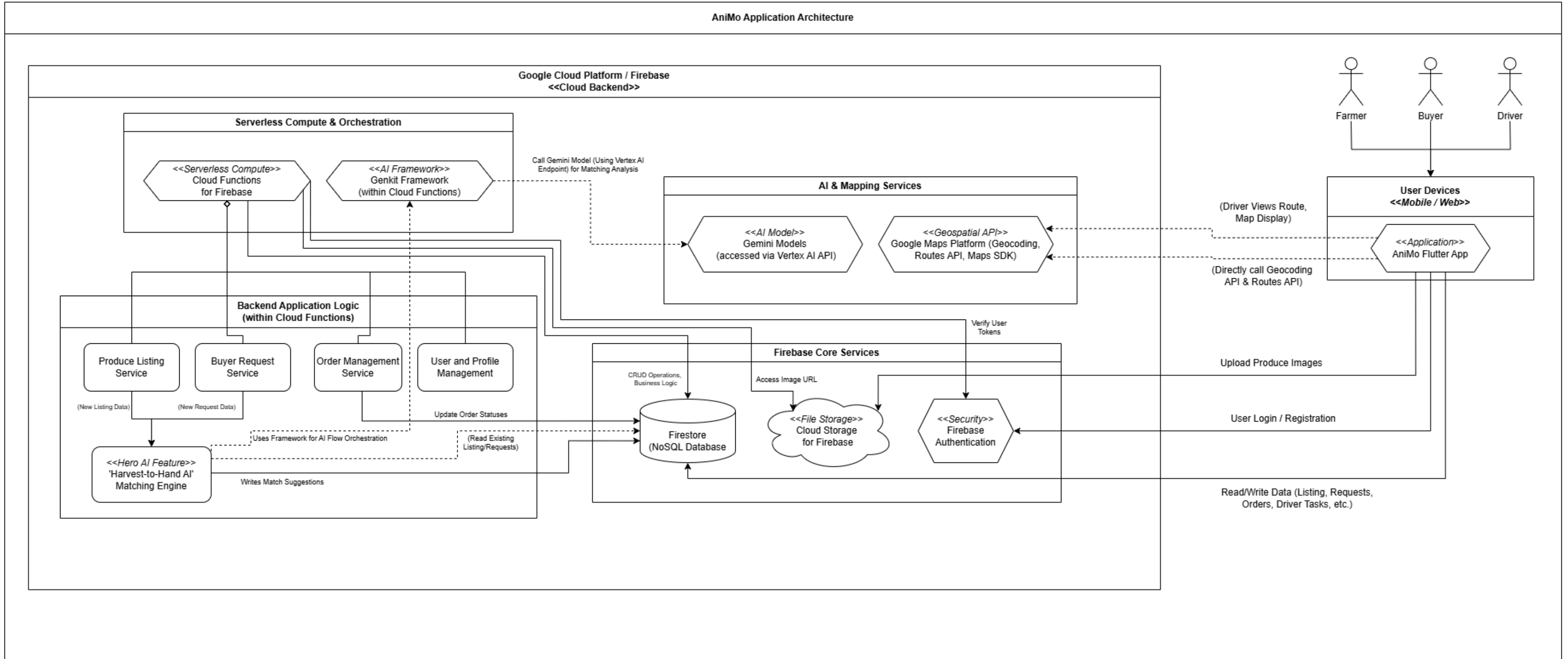


Wireframes/Mock diagrams of the proposed solution

just pop figma iamge



Architecture diagram of the proposed solution



Technologies to be used in the solution

Frontend



Flutter



Maps SDK

Geocoding, Routes



Flutterfire

Backend



Firebase

Authentication, Firestore,
Cloud Storage



Google Cloud AI

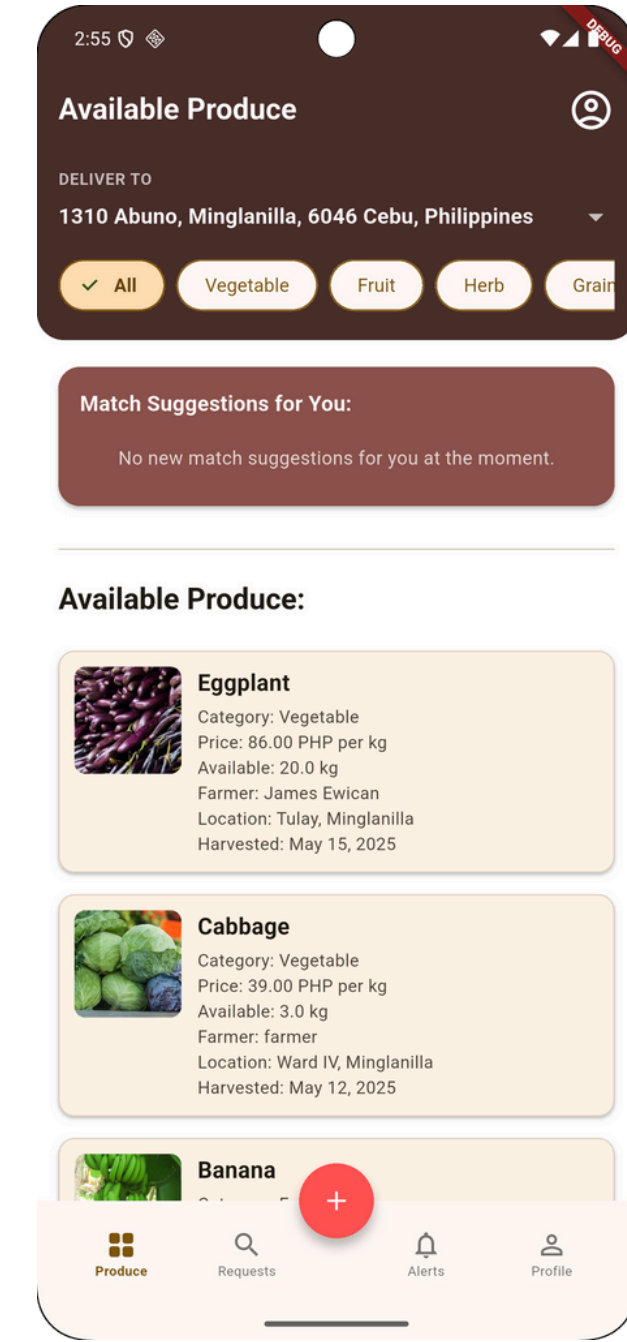
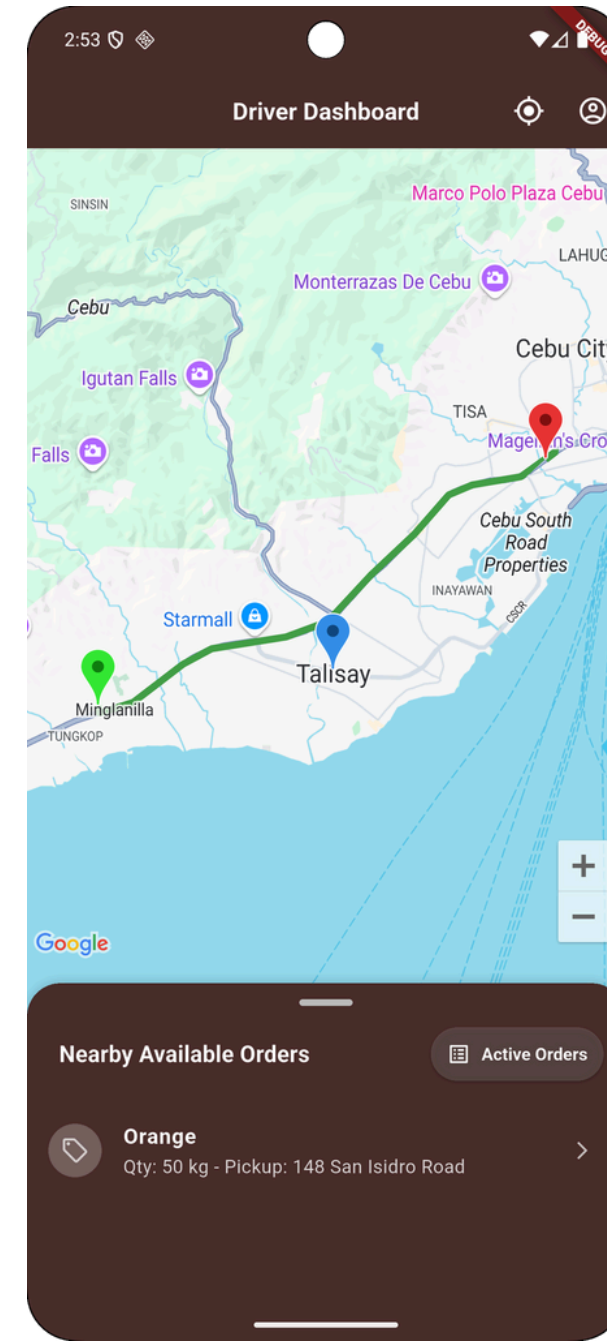
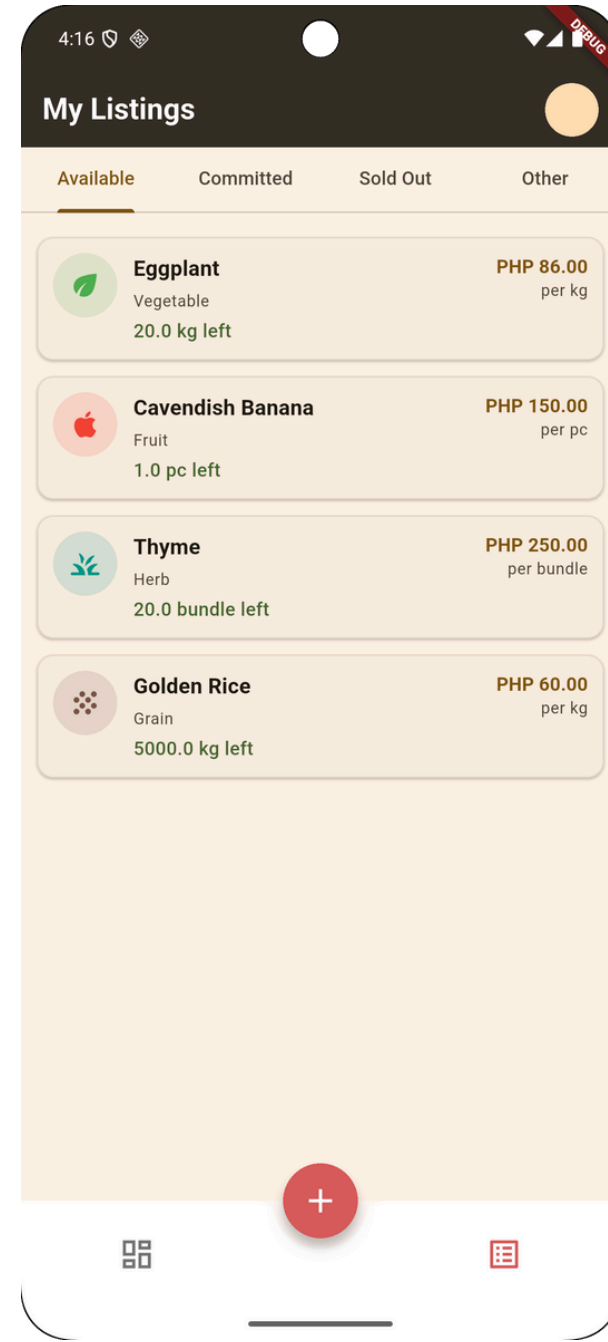
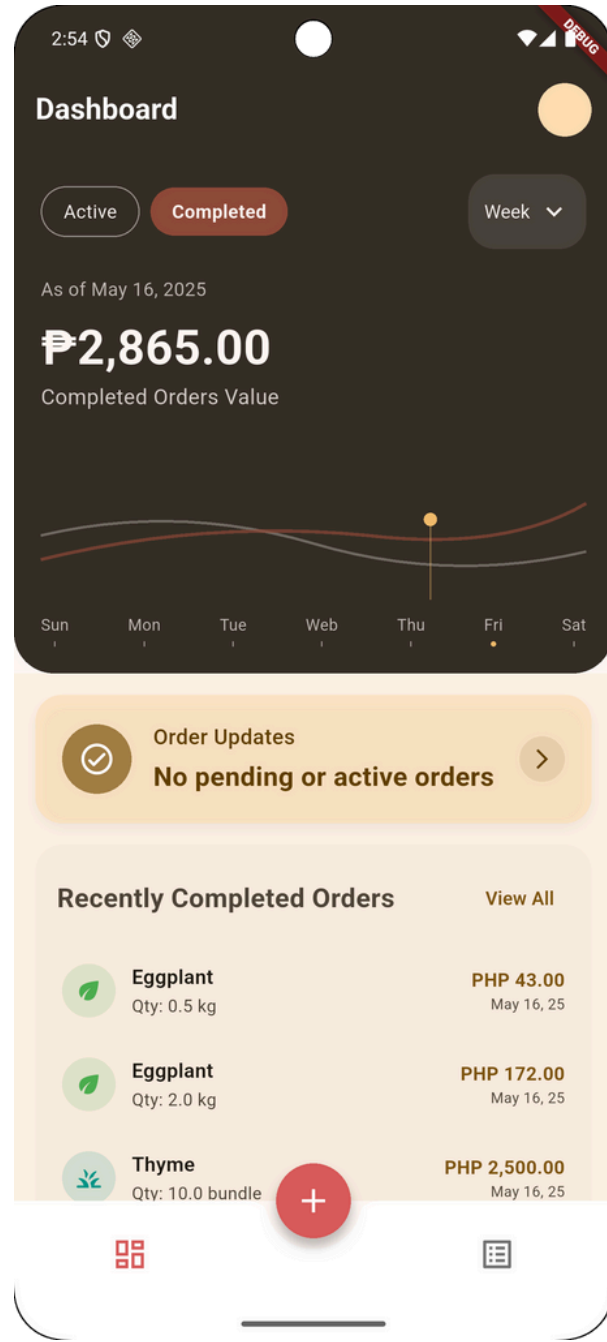
Genkit, Gemini, Vertex



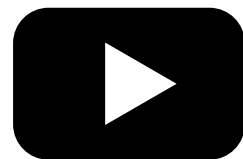
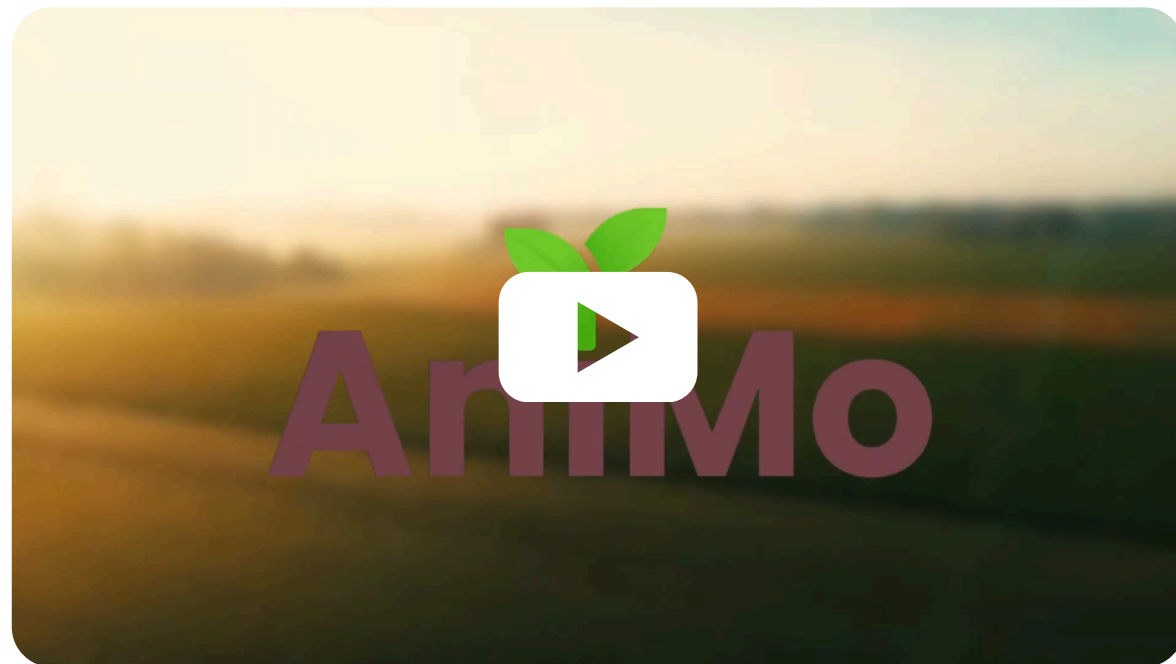
Google Cloud Operations

Cloud Logging, Cloud Monitoring, Cloud Trace

Snapshots of the prototype



Demo Video



<https://youtu.be/14i9POeYDN8>

Working Prototype



<https://upload-apk.com/B5wn1gakQ92znNZ>
APK



<https://animo-9fffb.web.app/>
WEB APP (MOBILE PORT)

Solution Challenge

Thank you

