INARI

Agriculture Supply Chain and Inventory Manangement

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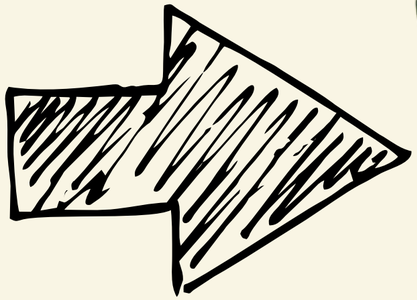
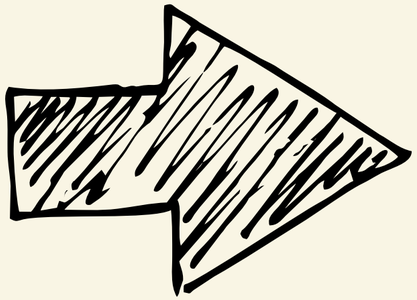




Farmer

MIDDLEMAN

Consumers

Artificially Inflates the Prices

SUPPLY AND DEMAND

- Market Knowledge
- Connections
- Awareness of Price

SOLUTION??

- A platform which directly connects farmers to the consumers.

- Has Transparency on Inventory and Prices.

- Is a concentrated place for Agriculture News and Information.

AgriApp

SmartKrishi

AgriNepal

Platform	News/Weather	Marketplace	Inventory	Live Price	For Nepal
Smart Krishi	✓	✗	✗	✗	✓
AgriNepal	✗	✓	✗	✗	✓
AgriApp	✓	✓	✗	✗	✗
Kalimati Webs	✗	✗	✗	✓	✓
Inari	✓	✓	✓	✓	✓

INARI

- **Marketplace for all the levels of farmers**
- **Give real time price and past comparision**
- **Real time inventory management with expiry date**
- **Hub for latest and greatest agriculutre information**

Made with in mind of:

Farmer

Wholesaler/Retailer

Consumer

How System Works?

- Farmers upload crop details into the system.
- Buyers browse and place orders.
- System tracks inventory and updates stock.
- User gets the weather/price information.

Key Feature:

- Farmer Dashboard
- Buyer/Market Dashboard
- Inventory and Stock Management
- Report of Sales Analysis

System Design:

Fig: ER Diagram (Crow's foot)

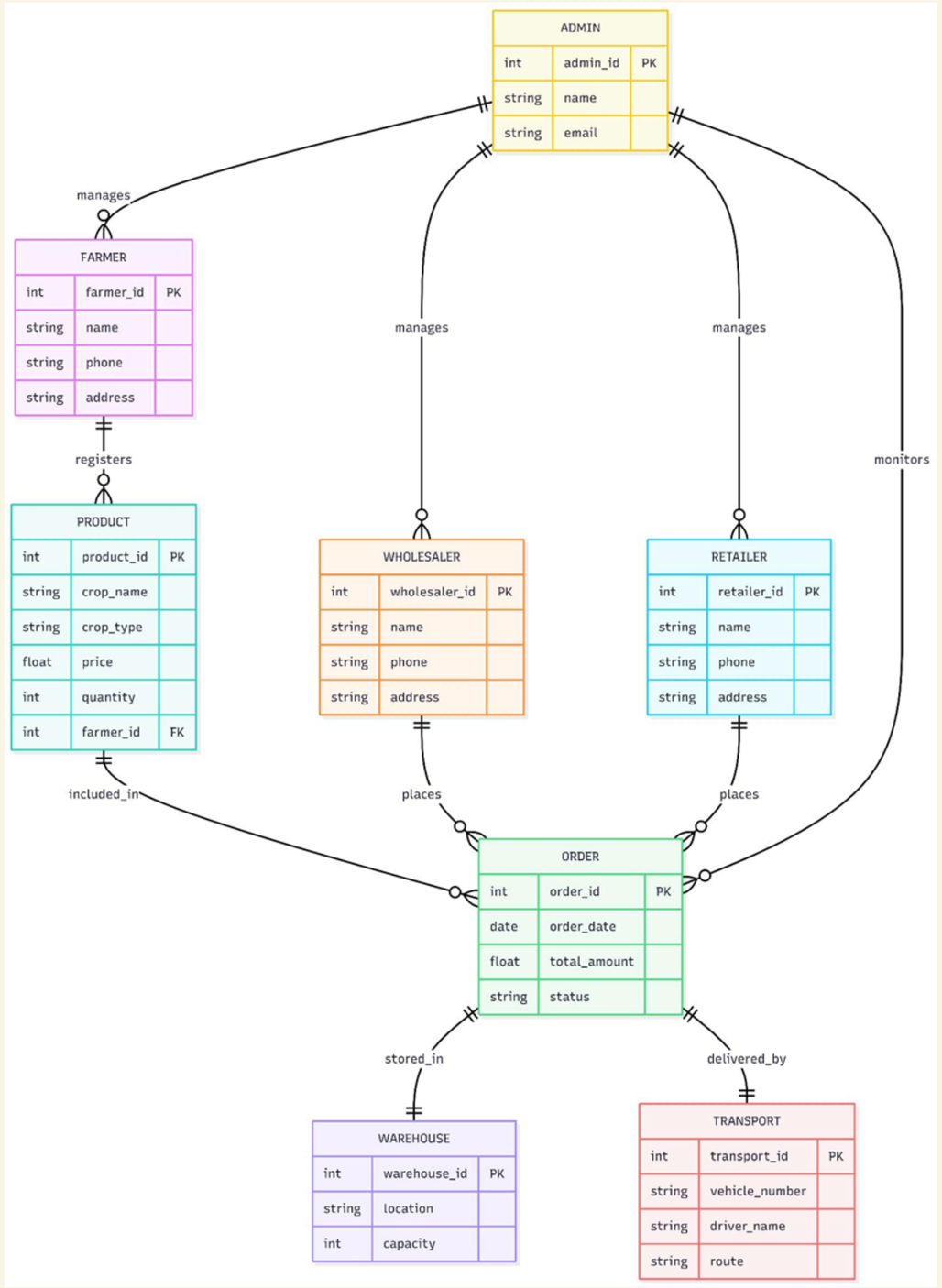
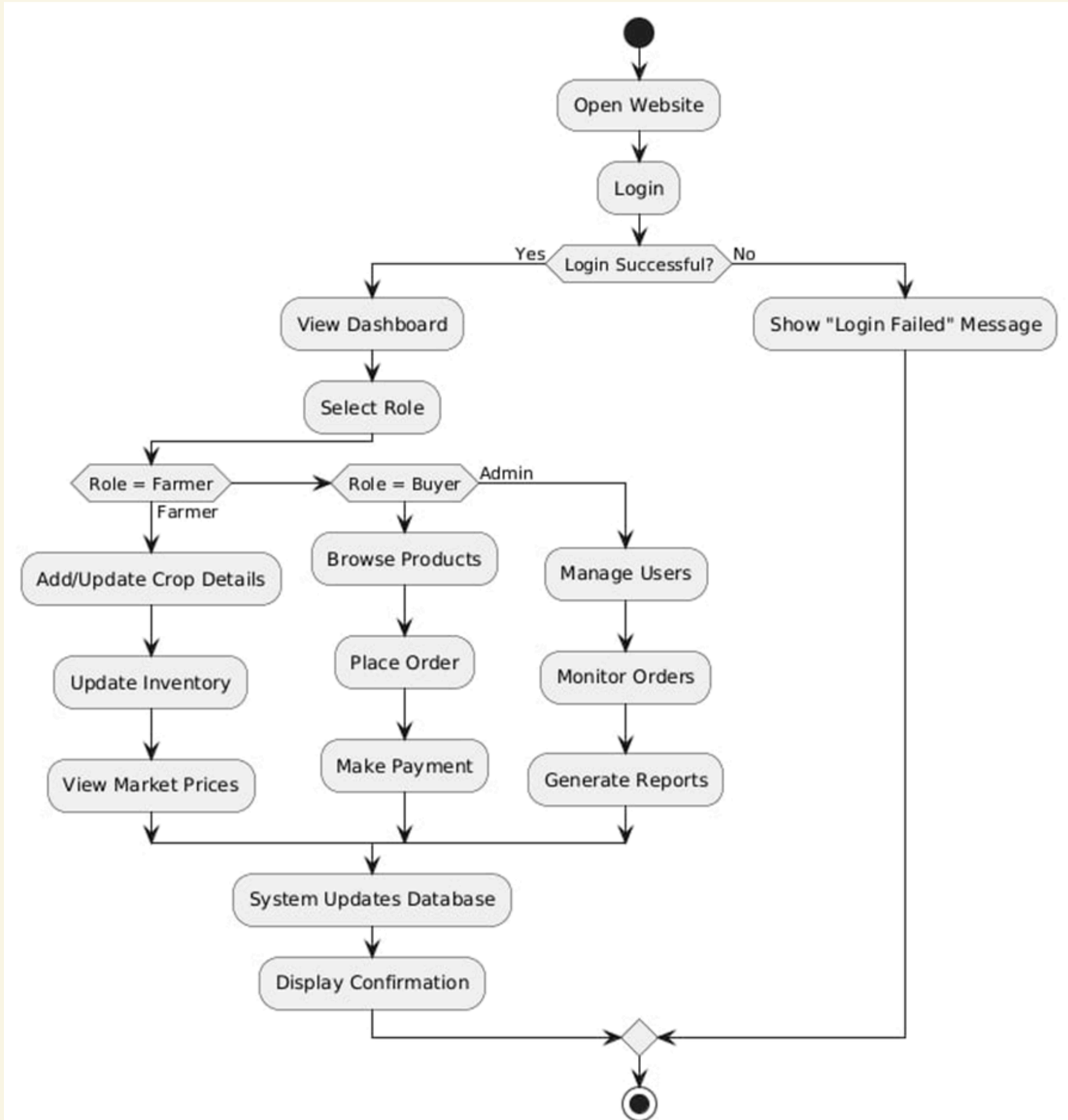


Fig: Activity Diagram



Technologies:

Tools: VS Code

Database: Postgresql

Platform: Windows

Language: HTML, CSS, Javascript, Python

Framework: Django, Bootstrap

Expected Outcomes:

- Better profits for farmers
- Coordination between farmers and buyers
- Centralized and Standardized Agriculture data management
- Cheaper and Stable pricing of groceries

Timeline:

Phase 1 (1st Week): Proposal & Planning

Phase 2 (2-3rd Week): System Analysis & Design

Phase 3 (4-5th Week): System Development

Phase 4 (6th Week): Integration and Testing

Phase 5 (7th Week): Documentation Completion

In short:

- Middlemen-driven supply chains reduce farmer profit while increasing market prices for buyers
- Inari creates a platform for farmers and buyers.
- Inari digitizes the agriculture system in Nepal.
- Project is well feasible within the given time period.