AgroRent Hub

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Table of contents

01OVERVIEW

02
USERS

03
PROJECT FLOW

04
IMPLEMENTATION

05
MODULES

06
UML DIAGRAMS

Overview



Introduction

AgroRent Hub Platform

An innovative, Django-based online rental system for agricultural tools, equipment, and services.

Designed to streamline the rental process in agriculture by connecting **farmers**, **suppliers**, **delivery personnel**, and **administrators**.

Objectives: Provide a secure, efficient, and user-friendly platform for all roles.

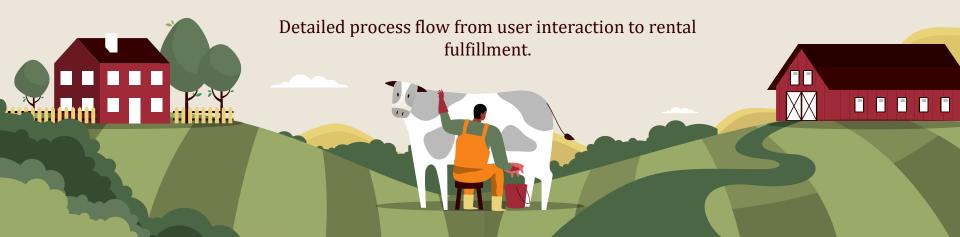
Increase accessibility to essential tools and improve inventory and demand management.

Key Technologies: Django, HTML/CSS, JavaScript, MySQL.





USER











FARMERS

SUPPLIERS

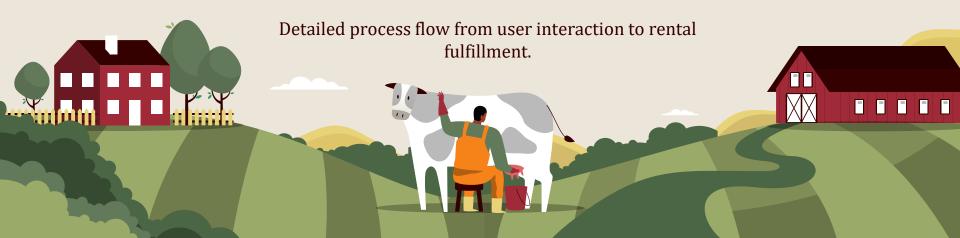
ADMIN

DELIVERY BOY





Project Flow



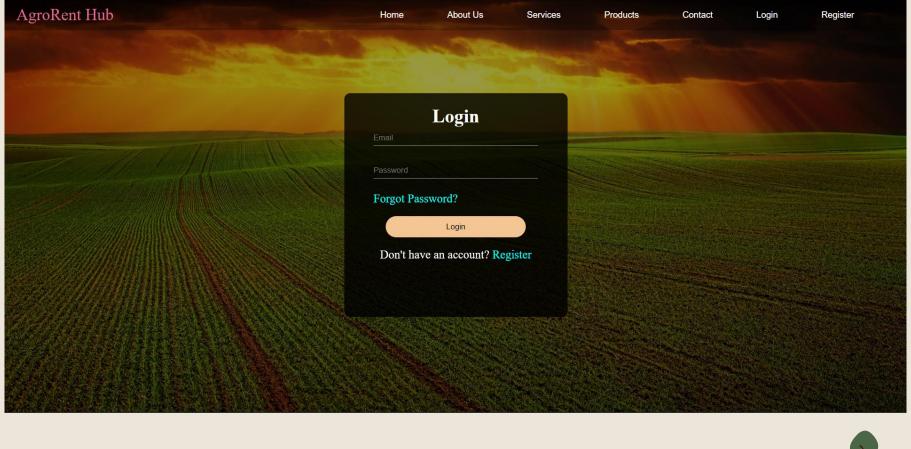
Platform Process Flow



Order Flow

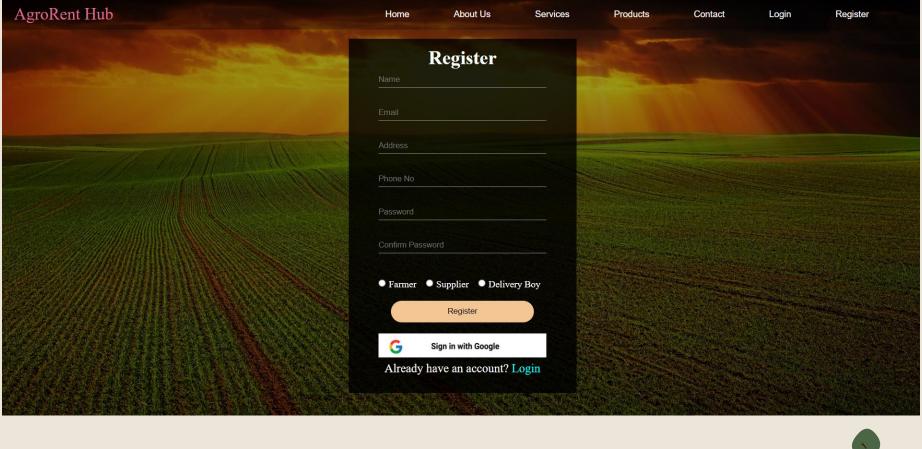


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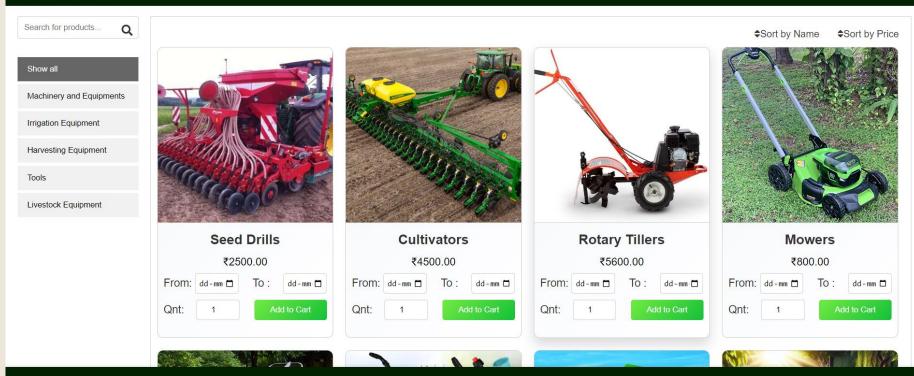








AgroRentHub Home Services Products Cart Orders Profile Logout



127.0.0.1:8000/product/12/





Rental Product Cart

Si.No	Product Image	Price Per Day	Quantity	Start Date	End Date	Days	Price	Actions
1		₹2500.00	1	Nov. 6, 2024	Nov. 12, 2024	6	₹15000.00	Delete
	Seed Drills							

 Seed Drills (1 x ₹2500.00 x 6days)
 ₹15000.00

 Total:
 ₹15000.00





View Farmers

View Suppliers

View Delivery Boys

View Rental Product

View Category

View Orders

View Damaged Products

Farmers

Show 10	✓ entries						Sea	rch:		
Si.No *	Name \$	Email	\$	Address	¢	Phone \$	Last Login	\$ Status	\$	Action \$
1	Wilgimol Thomas	wilgimolthomas@gmail.com		Nayipurayidathil House,Arangu p.o Chappath,Naduvil via Kannur,kerala		7025169137	Nov. 5, 2024, 6:31 p.m.	active		Block
2	SreeLakshmi P.S	sree@gmail.com		Kinder Garden House,Kottayam,Kerala		8590762162	June 23, 2024, 4:22 p.m.	active		Block
3	Thomas Thomas	thomas@gmail.com		Nayipurayidathil House,Arangu p.o Chappath,Naduvil via Kannur,kerala		9744169137	June 19, 2024, 6:15 p.m.	active		Block
4	Varsha Shaji	varsha@gmail.com		123 Main Street, 101, CA ,United States		7034516382	Aug. 13, 2024, 2:38 p.m.	active		Block
5	Sreelakshmi P S	sreelakshmips2025@mca.ajce.ir	n	8122 Wooded Brook Way, Boise,673425		8590762167	Sept. 23, 2024, 10:44 a.m.	active		Block
Showing 1 t	to 5 of 5 entries							Previous	1	Next





View Farmers

View Suppliers

View Delivery Boys

View Rental Product

View Category

View Orders

View Damaged Products

Orders

Show 1	o 🗸 entries									Search:	
Si. No	Customer Name	Order ID	Product	Supplier 🖣	Quantity \(\)	Total Price	Payment Status	Order Date	Start Date	End Date ♦	Action
1	Wilgimol Thomas	66	Sprayers	Jiji Mol Thomas	1	₹1800.00	completed	Oct. 7, 2024, 9:04 a.m.	Oct. 8, 2024	Oct. 17, 2024	View Assigned Delivery Boy
2	Wilgimol Thomas	65	Sprinklers	Tilji Thomas	1	₹720.00	completed	Sept. 23, 2024, 10:14 a.m.	Sept. 30, 2024	Oct. 4, 2024	View Assigned Delivery Boy
3	Wilgimol Thomas	59	Spreaders	Jiji Mol Thomas	1	₹9600.00	completed	Aug. 22, 2024, 2:50 p.m.	Aug. 27, 2024	Aug. 31, 2024	View Assigned Delivery Boy
4	Wilgimol Thomas	58	Balers	Jiji Mol Thomas	2	₹12000.00	completed	Aug. 22, 2024, 2:50 p.m.	Aug. 24, 2024	Aug. 27, 2024	View Assigned Delivery Boy





Add Rental Products

View Rental Products

Add Categories

View Categories

Add Cost For Damaged Product

View Cost For Damaged Product

View Orders

Classify Product

View Rental Products

Si. No	lmage	Name	Price Per Day	Stock Quantity	Description	Status	Actions
1		Tractor	Rs.2000.00	28	Versatile vehicles used for pulling or pushing agricultural machinery and trailers, as well as for plowing, tilling, and planting fields.	available	Update Delete
2		Plows	Rs.200.00	5	Implements used to cut, lift, and turn over soil, preparing it for planting by burying weeds and crop residues.	available	Update Delete
3		Seed Drills	Rs.2500.00	6	Machines that precisely plant seeds at the correct depth and spacing, improving crop yields and reducing the need for thinning.	available	Update Delete





View Orders

Return Management

Repair Cost Details

Assigned Orders

Si.No	Customer	Product	Supplier	Quantity	Start Date	End Date	Price	Action
1	Wilgimol Thomas	Cultivators	Jiji Mol Thomas	1	Aug. 22, 2024	Aug. 25, 2024	₹13500.00	Delivered
2	Wilgimol Thomas	Rotary Tillers	Jiji Mol Thomas	1	Aug. 29, 2024	Aug. 31, 2024	₹11200.00	Delivered
3	Wilgimol Thomas	Balers	Jiji Mol Thomas	2	Aug. 24, 2024	Aug. 27, 2024	₹12000.00	Delivered
4	Wilgimol Thomas	Spreaders	Jiji Mol Thomas	1	Aug. 27, 2024	Aug. 31, 2024	₹9600.00	Delivered
5	Wilgimol Thomas	Sprinklers	Tilji Thomas	1	Sept. 30, 2024	Oct. 4, 2024	₹720.00	Delivered
6	Wilgimol Thomas	Sprayers	Jiji Mol Thomas	1	Oct. 8, 2024	Oct. 17, 2024	₹1800.00	Delivered

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View Orders

Return Management

Repair Cost Details

Damaged Products Estimated Cost Based On Damage Level & Type



Si. No	Product Name	Damage Level	Damage Type	Estimated Repair Cost (Rs.)
1	Balers	Minor	Physical	₹300.00
2	Balers	Minor	Operational	₹300.00
3	Balers	Minor	Wear and Tear	₹300.00
4	Balers	Moderate	Physical	₹600.00
5	Balers	Moderate	Operational	₹600.00
6	Balers	Moderate	Wear and Tear	₹600.00
7	Balers	Severe	Physical	₹1200.00
8	Balers	Severe	Operational	₹1200.00

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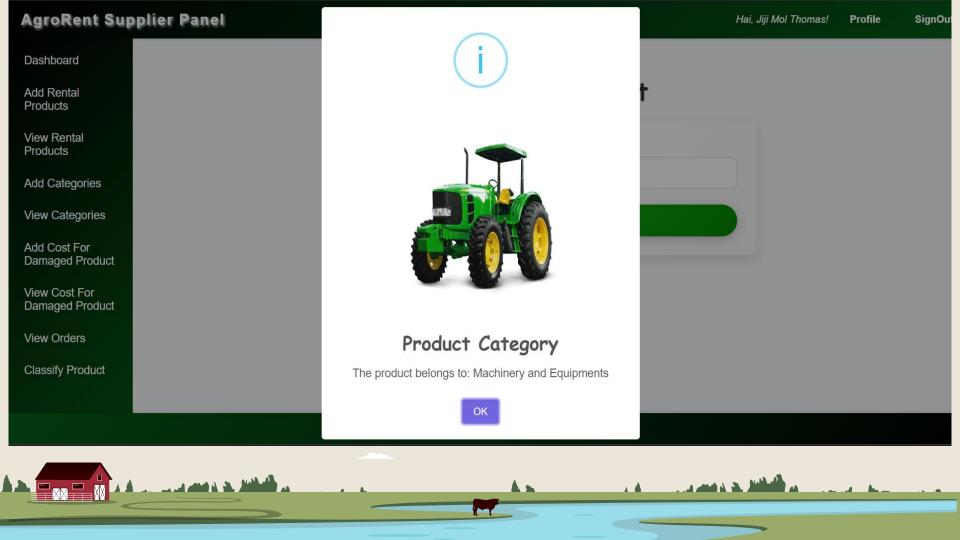


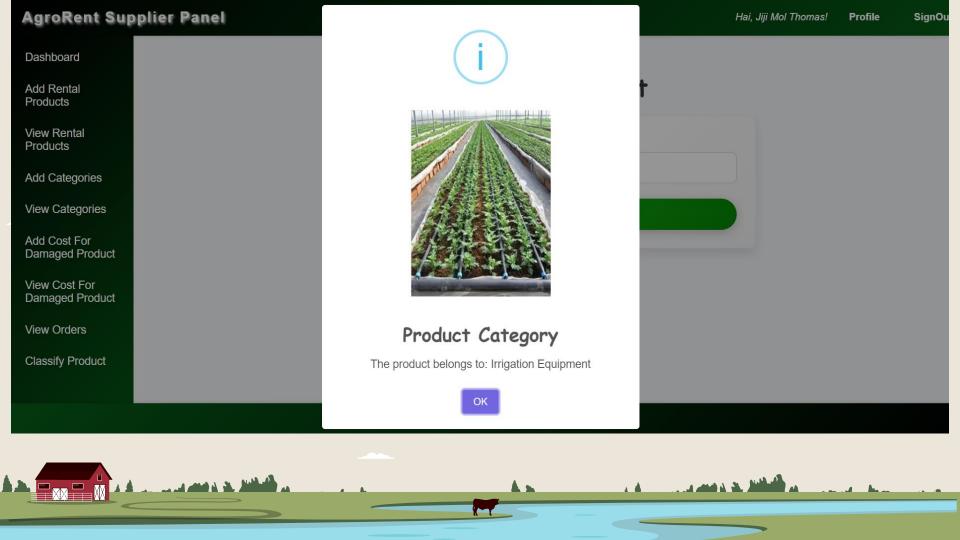












Modules



Farmer Module

Browse and Rent Equipment

Farmers Can View Available Products

• Filter By Category

• Add Items To Their Cart.

Track Rental Orders

• Including Start And End Dates

• View Total Rental Costs.

Payment Processing

Order Management

• Complete Secure Payments With OTP Verification.

Return Scheduling

• Schedule Returns At The End Of The Rental Period.

Notifications

• Receive Updates On Order Status, Delivery

• Return Reminders.



Supplier Module

Product Listing and Inventory Management: Suppliers can add, update, and disable products, monitor stock levels, and manage categories

Rental Management:Accept or reject rental requests, monitor product demand, and manage rental periods.

Demand Forecasting:Use data insights to predict future demand and manage stock levels accordingly.

Transaction Management: Track payments received from rentals, ensuring financial transparency.

Alerts:Get low-inventory alerts to ensure popular items are restocked.





Admin Module

User Management

 View and manage all users (Farmers, Suppliers, Delivery Boys), including account status and permissions.

Order and Payment Oversight

 Oversee rental transactions, ensuring smooth payment processing and tracking.

Platform Maintenance

 Maintain system health, update configurations, and handle any data inconsistencies.

A company maybe with a

Reporting and Analytics

•Generate reports on platform usage, order statistics, and user activity.

Dispute Resolution

 Manage issues between Farmers and Suppliers, ensuring fair outcomes for returns or damaged items.



Delivery Boy Module



Receive and manage delivery assignments based on location

and availability.

Update the delivery status in real-time (e.g., "Out for Delivery," "Delivered," "Return Collected").

Status Updates

Report any damages or issues identified at return to keep track of product condition.

Defect Reporting

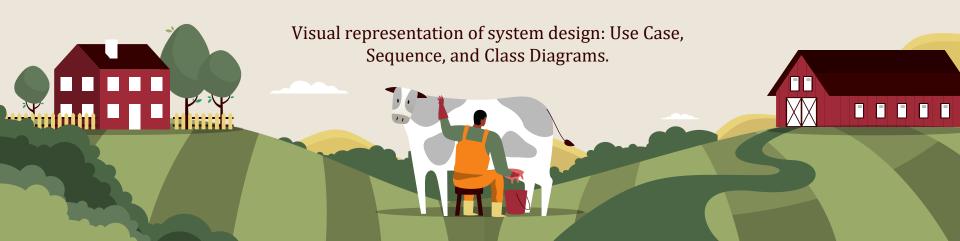


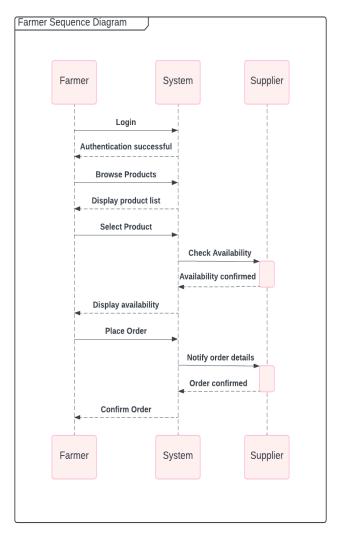
Access a list of assigned orders, with details on delivery address, product, and customer information.

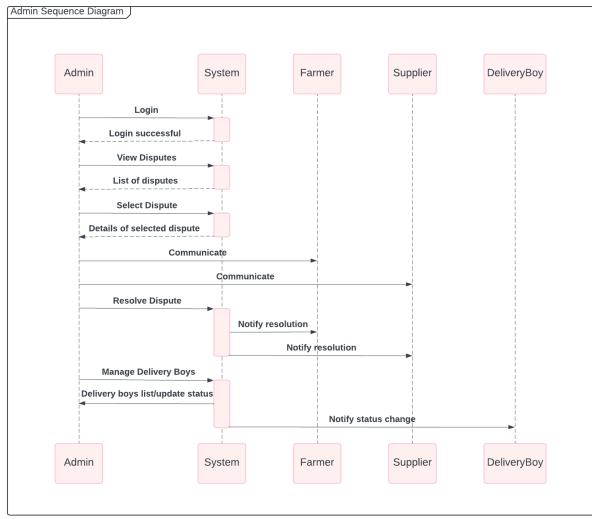


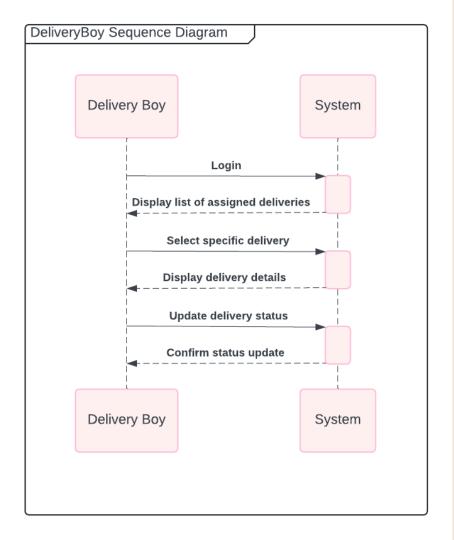


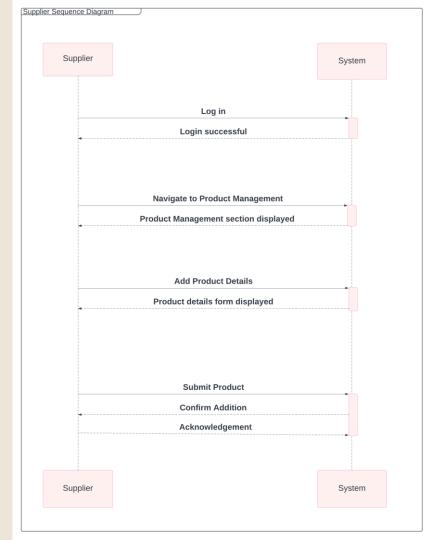
UML Diagrams











Thanks!

