ABSTRACT

Supply chain management (SCM) is a crucial aspect of modern business operations, encompassing the complex network of interactions between buyers and sellers. This abstract explores the key components and dynamics within the buyer-seller relationship in the context of SCM.Buyers play a pivotal role in the supply chain by identifying their product or service needs and selecting suppliers who can fulfill those needs efficiently and effectively. Sellers, on the other hand, strive to meet these demands while optimizing their production, inventory, and distribution processes to achieve customer satisfaction and profitability.

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INTRODUCTION

Organic farming in India is an agricultural process, uses pest control derived from organic manure and animal or plant waste. This farming started to respond to the environmental suffering caused by chemical pesticides and synthetic fertilizers.Agribusiness, supply chain management (SCM) implies managing the relationships between the businesses responsible for the efficient production and supply of products from the farm level to the consumers to meet consumers' requirements reliably in terms of quantity, quality and price. Supply chain management (SCM) is a critical discipline that governs the flow of goods, services, and information across a network of organizations, with the ultimate goal of delivering value to customers. At the heart of this complex web of interactions are the buyer and seller, two central players whose collaboration and coordination are essential for the efficient functioning of the supply chain.Buyers represent the demand side of the supply chain equation. They are individuals, organizations, or entities that require products or services to meet their needs or satisfy customer demand. Sellers, on the other hand, constitute the supply side, responsible for manufacturing, sourcing, and delivering these products or services. The interplay between buyers and sellers is a fundamental driver of SCM, shaping the entire process from product design and production to distribution and customer service.

PROBLEM STATEMENT

"Implement problems of organic farming is that of timing.organic produce and meats require efficient supply chains to reach the market quicker."

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OBJECTIVES

➢ The objective of my study is to improve the organic farming in karnataka.

➢ To make the supply chain of product strong by management information system.

➢ To train the farmers by the new technology.

➢ To make the export system by the technology development.

HARDWARE AND SOFTWARE REQUIREMENTS

Software requirements :

Operating system   :   windows xp professional

Environment   :   visual studio

Language   :   css,javascript

Web technology   :   html

Hardware Requirements :

Processor   :   intel i5 processor

Ram   :   1GB or more

Hard disk   :   40GB hard disk

Keyboard standard :   102 keys

Mouse   :   3 buttons

REQUIREMENT ANALYSIS

Functional Requirements :

- ➢ The system will have provision for the seller to use his user id and password. If the user is a buyer then he will be asked his Name,Address and Phone Number for delivery purposes.

- ➢ The system will allow the seller to Add more stock of the product into his seller account and it will be recorded in a secure database.

- ➢ The system will also take feedback from the buyer on that seller so, that the future buyers will know more about the seller.

- ➢ The system will also specify which type of organic Farming did the seller use.

- ➢ The system will also provide UI for returning/replacing products which are damaged by providing the seller information to the Buyer.

- ➢ The system will also provide seller email account to Buyer before ordering the produc

Non Functional Requirements :

Security :

- ➢ The seller will be provided with user id and password for security purpose.
- ➢ The seller will be asked his user id and password for logging into the system.
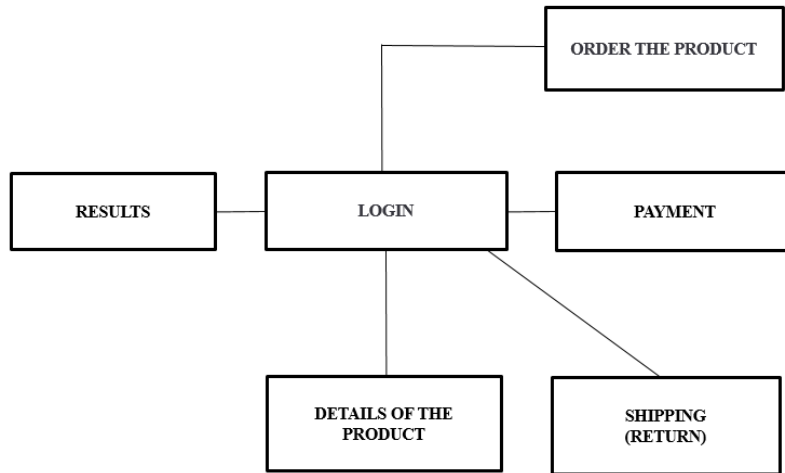- ➢ The information of the seller and the buyer will be stored in a secured database.

Performance:

- ➢ 99% of all the visible pages for the seller will respond within 10 seconds,If he enters the correct credentials.

- ➢ For buyer all the visible pages will work within 10 seconds except for the order configuration page which is to be confirmed by the seller.

Reliability and availability:

- ➢ The system will be available for 24/7.
- ➢ 99% of the users will be able to complete representative tasks without requiring assistance.
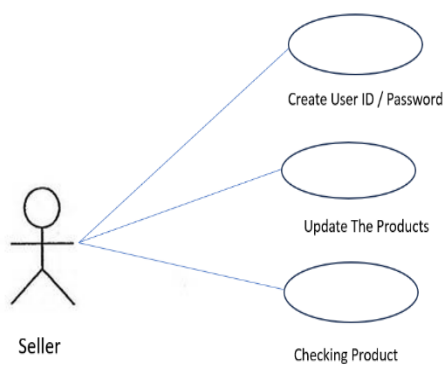
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SOFTWARE DESIGN

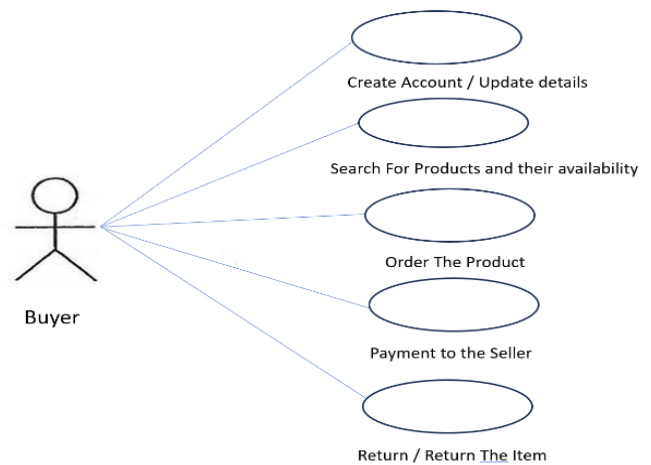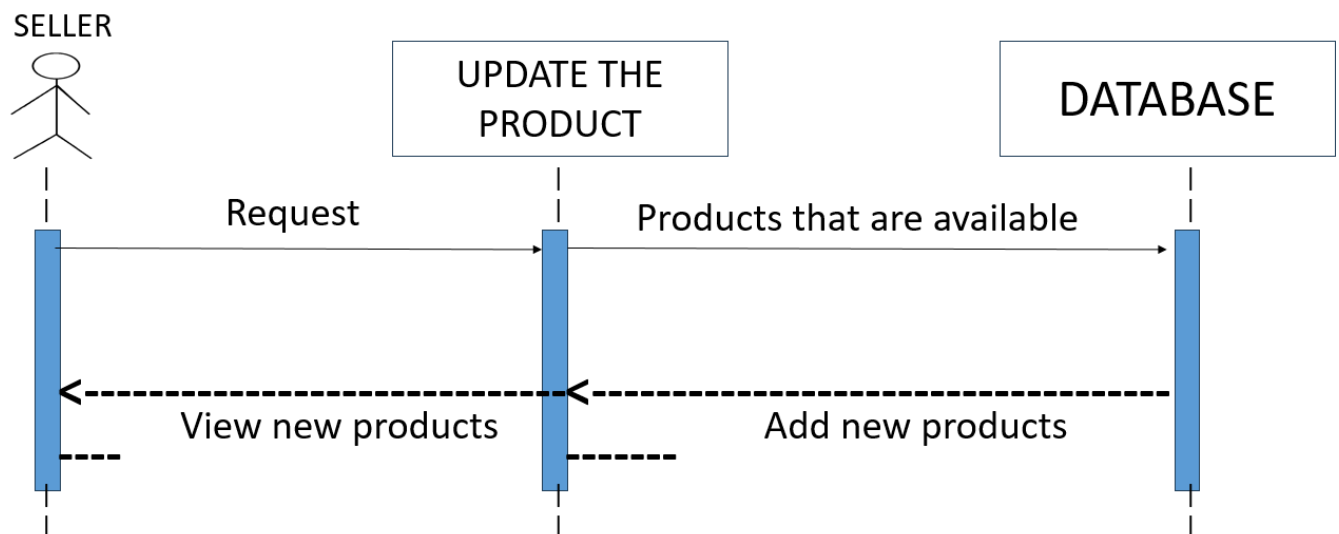**FIG: CONTEXT MODEL**
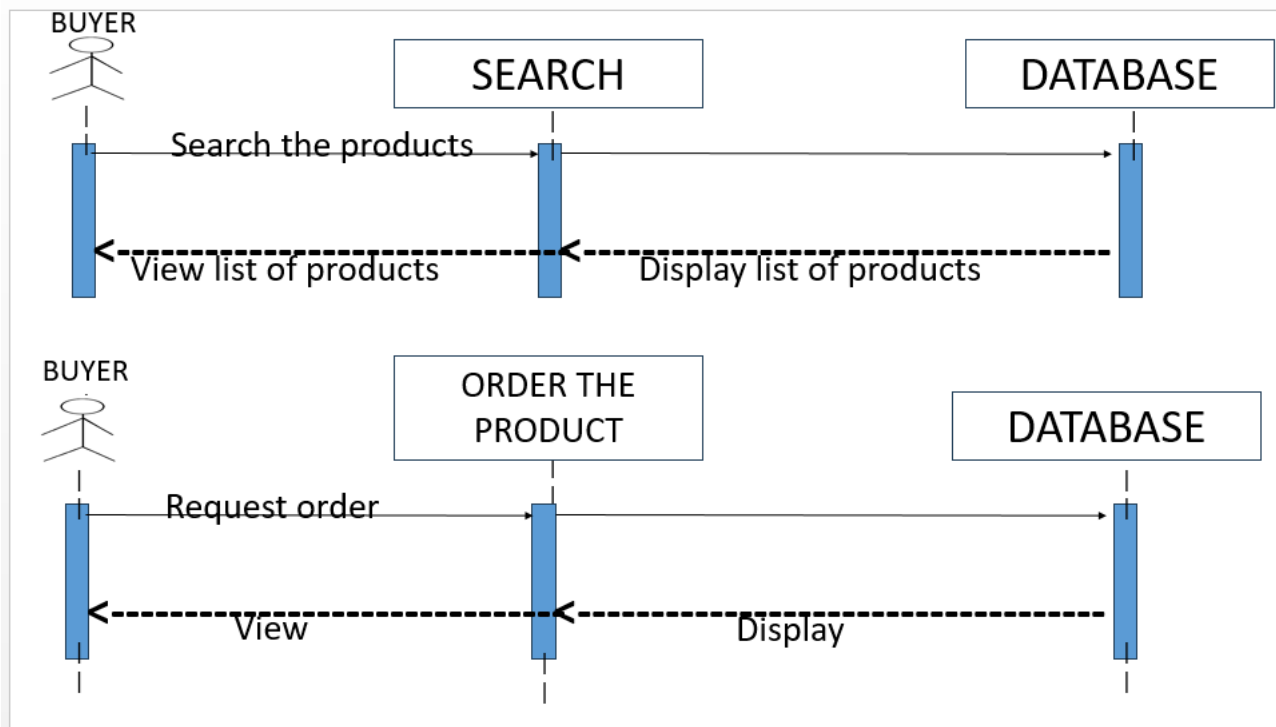

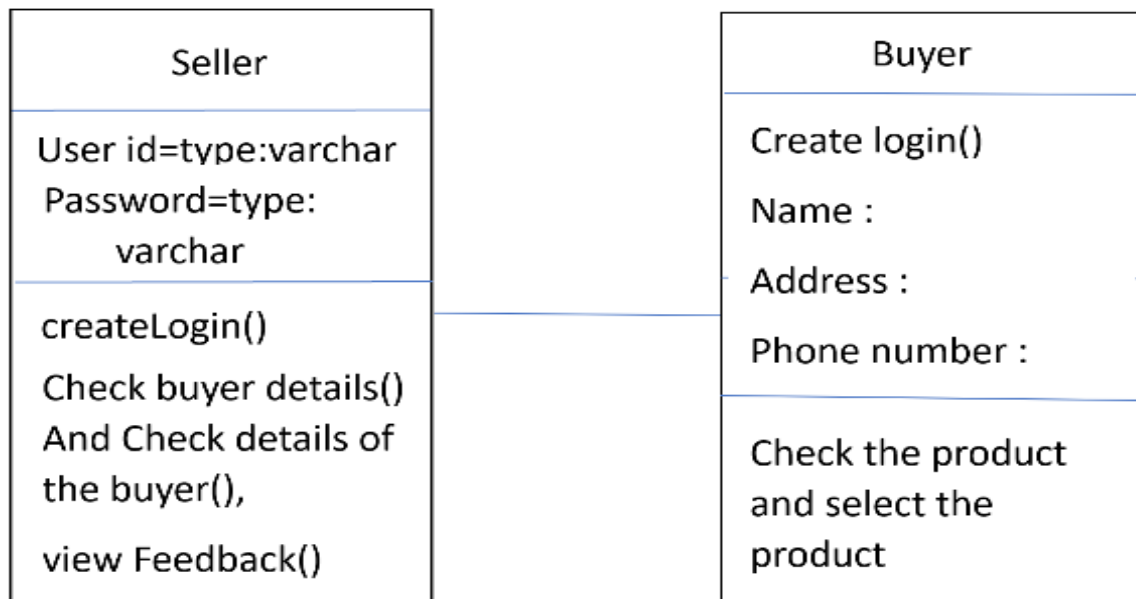Fig : USE CASE DIAGRAM

Fig : USE CASE DIAGRAM

FIG : SEQUENCE DIAGRAM

Seller	Buyer
User id=type:varchar Password=type: varchar	Create login() Name : Address : Phone number :
createLogin() Check buyer details() And Check details of the buyer(), view Feedback()	Check the product and select the product

FIG : CLASS DIAGRAM

Start

Login

Check Login id /password

INVALID LOGIN / PSASSWORD

Check new product

Check product details

Order product

View product details

View product request

End
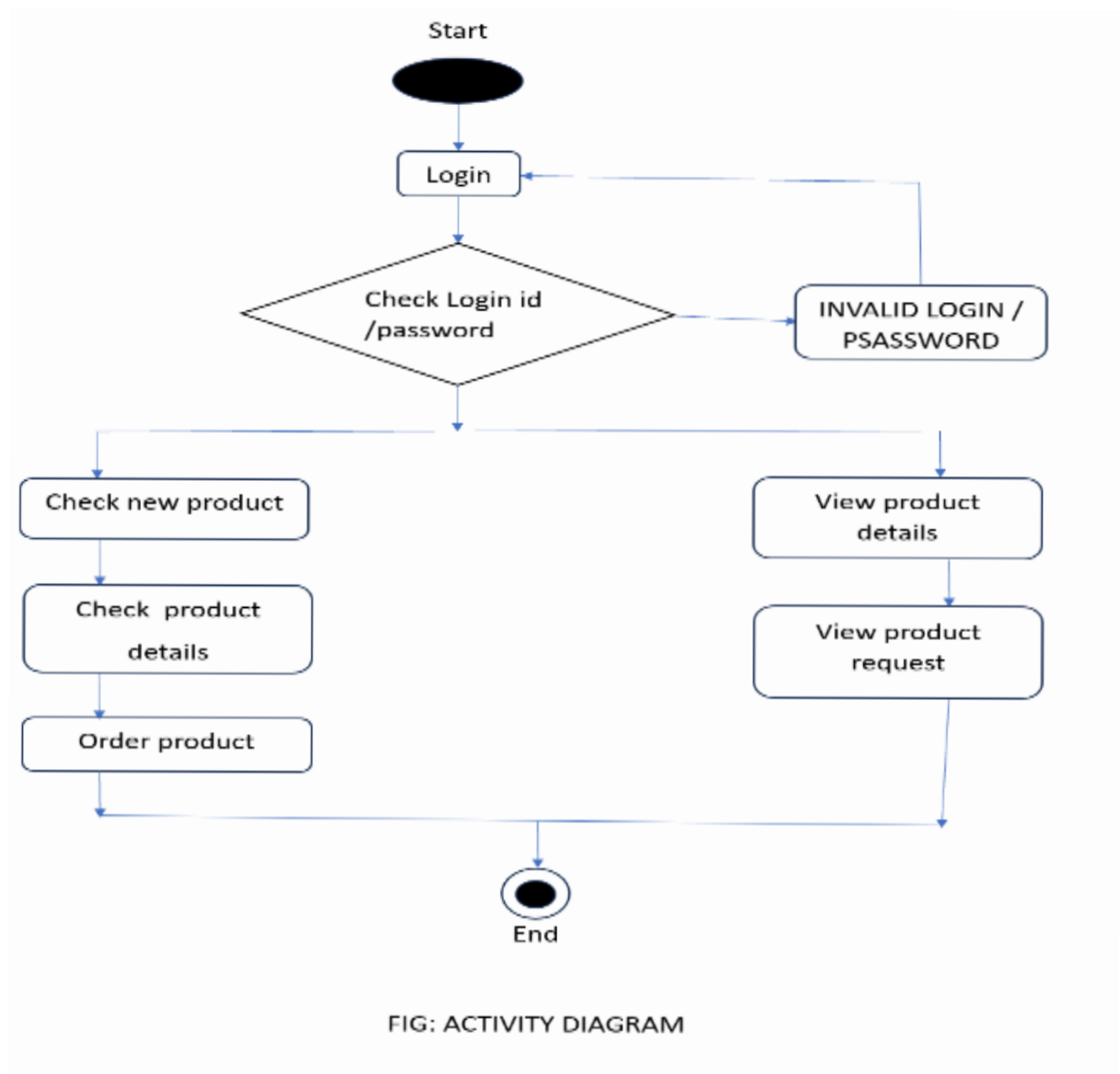
FIG: ACTIVITY DIAGRAM

DESCRIPTION OF ALL MODULES

Seller Modules:

Supplier Relationship Management (SRM):

- Description: Managing relationships with input suppliers such as seed providers, fertilizer suppliers, and equipment manufacturers.
- Functions: Supplier selection, contract management, and performance evaluation.

Inventory Management:

- Description: Efficiently manage harvested organic produce, storage, and preservation.
- Functions: Stock tracking, inventory levels, shelf-life management, and temperature control.

Login and User Management:

- Description: Secure login and user management functionality for authorized access to the system.
- Functions: User authentication, password management, and role-based access control.

Buyer Modules:

Product Sourcing:

- Description: Finding and procuring organic products that meet quality and sustainability requirements.
- Functions: Supplier identification, product selection, and price negotiation.

Order Management:

- Description: Managing and placing orders for organic products.
- Functions: Order creation, tracking, and payment processing.

Login and User Management:

- Description: Secure login and user management functionality for authorized access to the system.
- Functions: User authentication, password management, and role-based access control.

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OUTPUT SCREENSHOT

FIG : HOME PAGE

FIG : ABOUT

At Krishi

Our array of services is meticulously designed to encompass the diverse needs of organic farmers, conscientious consumers, and everyone in between. For farmers, our platform provides an invaluable opportunity to showcase their organic produce to a wider audience, allowing them to share the unique stories behind their cultivation methods and sustainable practices. With our innovative supply chain solutions, we endeavor to weave a narrative of integrity, authenticity, and accountability throughout the organic journey. From optimizing farm-to-market logistics and streamlining distribution to providing comprehensive quality certification support, our services empower farmers to thrive in a competitive market while upholding their ethical standards.

On the consumer front, we act as a bridge of connection to the origins of the food they consume. Through real-time tracking and transparent sourcing information, our platform allows consumers to make informed choices aligned with their values. Furthermore, our dedication to consumer education equips individuals with the knowledge they need to understand the benefits of organic farming, thereby nurturing a growing community of conscious consumers.

By choosing Krishi, you are not just engaging with a business – you are participating in a movement. A movement that envisions a future where organic farming flourishes, environmental sustainability is paramount, and local communities prosper. Our commitment extends beyond commerce; it's a commitment to the well-being of our planet, the health of our bodies, and the livelihoods of farmers who toil tirelessly to nurture nature's bounty. Join us in sowing the seeds of positive change and reaping the abundant harvest of a truly interconnected organic supply chain.

FIG : SERVICE

Contact Information

Name	Phone Number	Email
GUNDURAO	86168475173/td>	gundu@gmail.com
HANUMANTHA	8660779207	hanu@gmail.com
vikas reddy	8660779207	vikas@gmail.com
manikantha	8660779207	mani@gmail.com

FIG : CONTACT
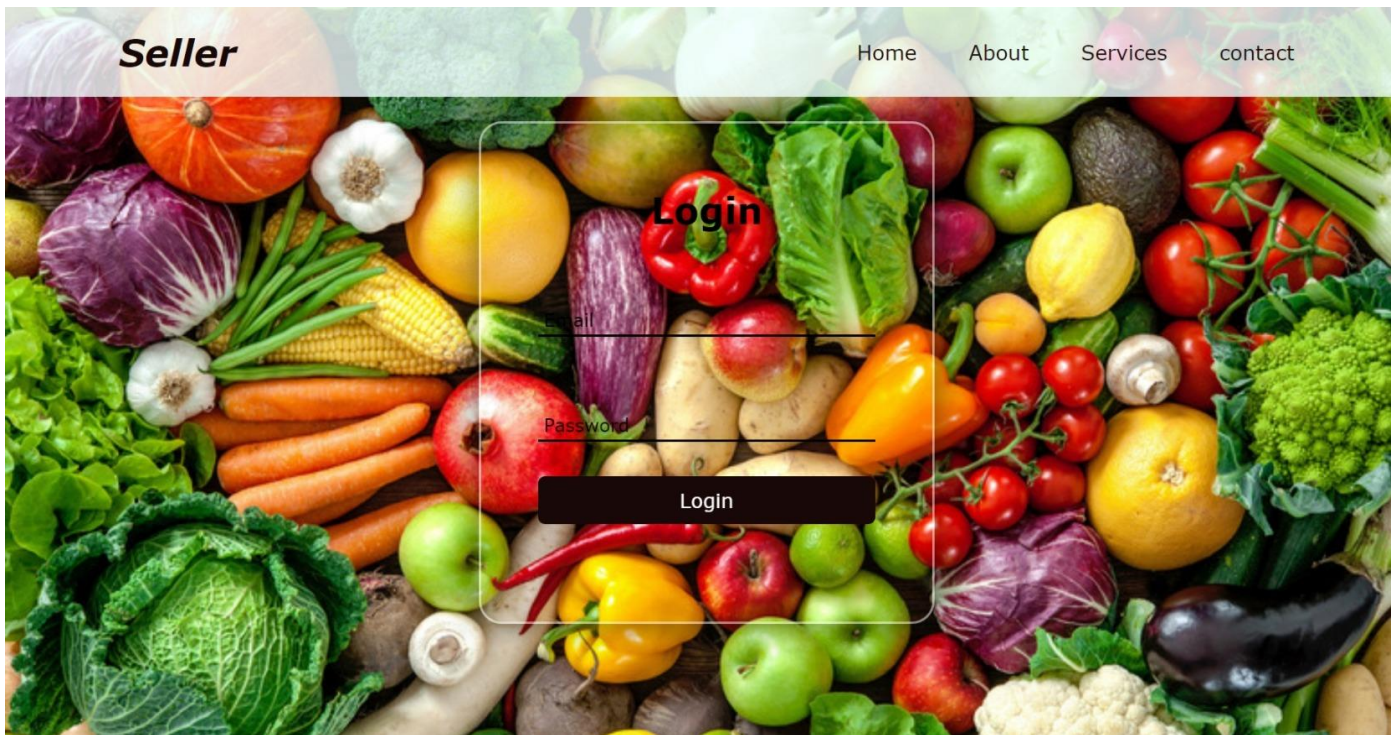
FIG : SELLER LOGIN

FIG : SELECT OPTION

Buyer Details

Name	Email	Contact Number	Country	State	Street	Landmark	City	Area	Pincode
vinayak	vinay@gmail.com	8974685441	India	Karnataka	100	s p circle	bellary	parvathi nagar	583104
hanumantha	hanu@gmail.com	8934562123	India	Karnataka	100	near ananthasayana temple	hospet	hampi	583201
manoj	manoj@gmail.com	2390390512	India	Karnataka	100	near tayamma temple	gangavathi	gangavathi	583103
surya	surya@123.com	3901234224	India	Karnataka	100	near dugra temple	chitradurga	chitradurga	583102
mani	mani@gmail.com	1234567890	India	Karnataka	100	s p circle	bellary	parvathi nagar	583101
karthik	karthik@gmail.com	57576576	India	Karnataka	100	bellary	bellary	hampi	583101
gundu rao	gundu@123.com	12345567	India	Andhra Pradesh	1000	HOSPET	city	gangavathi	35678
hanumantha	hanu@gmail.com	08934562123	India	Karnataka	100	HOSPET	hospet	kkk	583201
hanumantha	hanu@gmail.com	08934562123	India	Karnataka	100	HOSPET	hospet	hampi	583201
hanumantha	hanu@gmail.com	08934562123	India	Karnataka	100	HOSPET	hospet	gangavathi	583201
hanumantha	hanu@gmail.com	08934562123	India	Karnataka	100	bellary	hospet	aSaxZXCAXcs	583201

FIG : BUYER DETAILS

Order Details

View Details

Product Name	Price	Description	Quantity
Rice Water	20.00	The water that is left behind after rice has been cooked, makes an easy organic fertilizer for your plants. It contains starch and small amounts of NPK. Which are Nitrogen, Phosphorus, and Potassium. These are all essential for plant health and growth.	1

FIG : ORDER DETAILS

FIG : BUYER LOGIN

Rice Water

Price: ₹20.00

The water that is left behind after rice has been cooked, makes an easy organic fertilizer for your plants.
It contains starch and small amounts of NPK.
Which are Nitrogen, Phosphorus, and Potassium. These are all essential for plant health and growth.

view

Coffee Grounds

Price: ₹25.00

Used coffee grounds are great for the garden and can add a boost of nutrition to your plants, whilst building healthy soil. Used coffee grounds (filtered through water) are nearly pH neutral. They are rich in Nitrogen and Potassium which are both essential nutrients. Although they are brown in colour, they are rich in Nitrogen so coffee grounds are classed as "green" when you are composting.

view

Liquid Seaweed

Price: ₹100.00

If you can source seaweed, ferment it in a bucket of water for a week or more, and brew up your own organic fertilizer. Once the water is a dark colour, it will definitely have a strong smelly pong to it! Strain off the liquid and dilute it with more water.

view

Product 1

Price: ₹200.00

Comfrey has deep roots that go deep down and draw up all the good nutrients. It produces lots of big lush leaves which can add great plant matter, nutrients and fibre to your soils. Sandy or clay-rich soils need lots of fibre added to either help retain moisture (sandy soils) or break up the soil and allow better drainage (clay-rich soils). Here in Perth, my soils are super sandy.

view

Rice Water

20.00

The water that is left behind after rice has been cooked, makes an easy organic fertilizer for your plants. It contains starch and small amounts of NPK. Which are Nitrogen, Phosphorus, and Potassium. These are all essential for plant health and growth.

Buy

Order List

Product Name	Price	Description	Quantity	Action
Rice Water	20.00	The water that is left behind after rice has been cooked, makes an easy organic fertilizer for your plants. It contains starch and small amounts of NPK. Which are Nitrogen, Phosphorus, and Potassium. These are all essential for plant health and growth.	1	Delete
Rice Water	20.00	The water that is left behind after rice has been cooked, makes an easy organic fertilizer for your plants. It contains starch and small amounts of NPK. Which are Nitrogen, Phosphorus, and Potassium. These are all essential for plant health and growth.	1	Delete

FIG : ORDER LIST

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CONCLUSION

supply chain management in organic farming represents a transformative approach where buyers and sellers collaborate seamlessly to meet the growing demand for organic products. Sellers benefit from optimized production, enhanced quality control, and efficient logistics, ensuring that consumers receive organic goods that align with their values and expectations. The integration of secure login and user management systems underscores the importance of data integrity and controlled access, reinforcing trust in the supply chain.

REFERENCE

➢ Youtube: SimpleTech

➢ Github