

PCET'S
Pimpri Chinchwad College of Engineering, Pune



PBL-II Project Report On



FARM MARKETPLACE

Fresh Finds, Direct from Farms.

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Abstract

The Farm Marketplace project is an innovative online platform that addresses the need for efficient and convenient connections between farmers and customers in the agricultural industry. With the rapid advancement of technology, there is a growing demand for digital solutions that facilitate the buying and selling of farm products. This project report provides an overview of the development process and technologies used in creating the Farm Marketplace application.

By creating a user-friendly and intuitive interface, the Farm Marketplace aims to bridge the gap between farmers and customers, facilitating seamless transactions and enhancing accessibility to high-quality farm products. The application allows farmers to showcase their products and update information, empowering them to reach a broader customer base. For customers, the platform offers a wide range of farm products to choose from, with convenient browsing, cart management, and secure payment options.

The Farm Marketplace project serves as a valuable solution in the agricultural industry, revolutionizing the way farmers and customers connect and transact. With its efficient features and user-friendly design, the application aims to empower farmers, boost customer satisfaction, and contribute to the growth and development of the agricultural sector.

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1. Introduction

The agricultural industry is a vital pillar of the global economy, supplying essential food products to meet the ever-growing demands of the population. However, traditional methods of buying and selling farm products often suffer from inefficiencies and limitations that hinder the potential for growth and profitability. To address these challenges and leverage the power of technology, the Farm Marketplace project was conceived and developed.

The Farm Marketplace is an innovative online platform designed to bridge the gap between farmers and customers, revolutionizing the way farm products are bought and sold. By providing a digital marketplace, the platform aims to streamline the process, enhance accessibility, and create a mutually beneficial environment for both farmers and customers.

In today's fast-paced and digitally connected world, consumers are increasingly turning to online platforms to meet their shopping needs. The Farm Marketplace recognizes this shift in consumer behavior and aims to cater to the rising demand for farm-fresh products delivered conveniently to their doorstep. By offering a wide range of high-quality farm products, customers can now access fresh and locally sourced goods with ease.

For farmers, the Farm Marketplace presents a unique opportunity to expand their market reach and connect with a larger customer base. Traditionally, farmers faced challenges in finding suitable markets for their products, limiting their growth potential. However, through the Farm Marketplace, farmers can now showcase their offerings to a wider audience, overcoming geographical barriers and increasing their sales opportunities.

The core objective of the Farm Marketplace is to provide a user-friendly and efficient platform that benefits both farmers and customers. Customers can explore a diverse range of farm products, conveniently browse through listings, and make informed purchase decisions. Additionally, the platform offers secure payment options and ensures the seamless processing of orders, providing customers with a reliable and satisfactory shopping experience.

Farmers, on the other hand, gain access to a centralized platform where they can create and manage their product listings. This empowers farmers to update product information, monitor inventory levels, and engage directly with customers. The platform serves as a catalyst for farmers to grow their businesses, expand their customer base, and increase profitability.

Throughout this project report, we will delve into the key features and functionalities of the Farm Marketplace, highlighting its significance in addressing the challenges faced by both farmers and customers in the agricultural sector.

2. Software Requirement Specification

The Software Requirement Specification (SRS) is a vital document that outlines the detailed requirements and specifications of the Farm Marketplace project. It serves as a comprehensive guide for the development team, stakeholders, and clients, ensuring a clear understanding of the project's objectives and functionalities.

Functional Requirements:

1. User Registration and Authentication:

Users should be able to create an account by providing their email and password. The system should authenticate users during login to ensure secure access.

2. Farmer Functionality:

Farmers can add and manage their products in the marketplace, including essential details such as name, description, quantity, and price, allowing them to effectively showcase their offerings to potential customers.

3. Customer Functionality:

Customers have a seamless experience on the Farm Marketplace application with various functionalities at their disposal. They can browse and search for farm products based on different criteria, add desired items to their cart for purchase, and easily view and modify the cart contents. Customers can proceed to the checkout process, providing necessary shipping and payment information, and receive a detailed receipt after completing the purchase. They also have the ability to view their order history, including past purchases and order statuses, for convenient reference and tracking.

4. Order Management:

- The system should maintain a record of customer orders, including order details, timestamps, and payment information.
- Customers should be able to view their order history, including past purchases and order statuses.

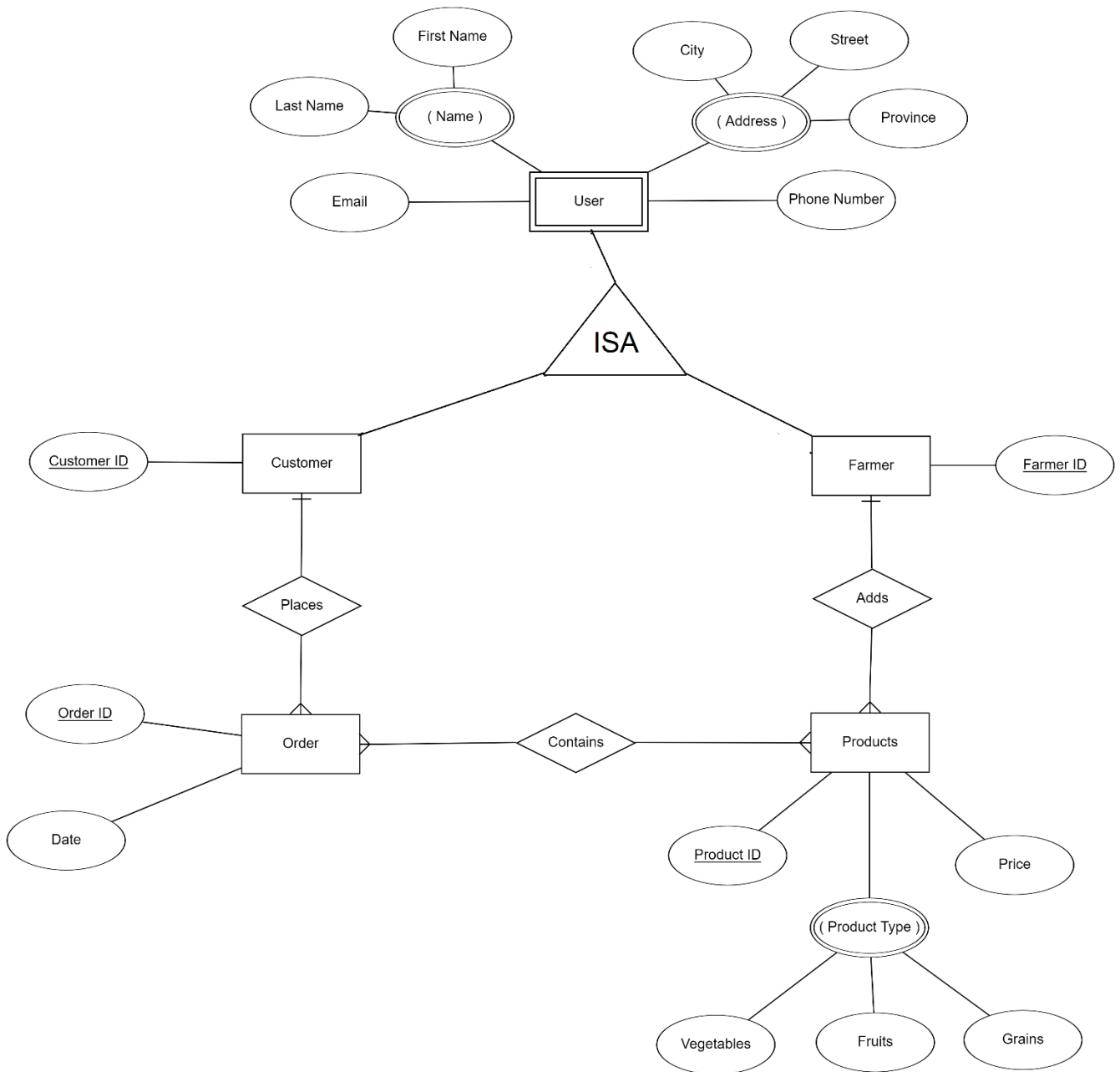
5. Account Management:

- Users should have the ability to update their account information, including personal details and contact information.
- Users should be able to change their password and recover their account in case of a forgotten password.

Non-Functional Requirements:

1. **Performance:** The system should deliver fast response times and handle a high volume of concurrent users, ensuring smooth browsing, product selection, and checkout processes.
2. **Security:** The application should implement robust security measures, including encryption of sensitive data, secure user authentication, and protection against common web vulnerabilities.
3. **Usability:** The user interface should be intuitive, visually appealing, and provide clear instructions and error messages, ensuring a seamless and user-friendly experience for both farmers and customers.
4. **Compatibility:** The system should be compatible with major web browsers and responsive across different devices, ensuring consistent functionality and visual presentation.
5. **Scalability:** The architecture should support the system's ability to handle increased user traffic and accommodate future growth by allowing for easy scaling and resource allocation as the user base expands.
6. **Database Management:** The system should efficiently manage data using MySQL, including proper indexing, optimization of queries, and ensuring data integrity and consistency for reliable and efficient data storage and retrieval.

3. Conceptual Design using ER features



4. Relational Model in appropriate Normalize Form

Farm Marketplace Database Schema:

phpMyAdmin Server: 127.0.0.1 / Database: farm_marketplace

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Designer

Recent Favorites

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> customer	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> farmer	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> orderitem	Browse Structure Search Insert Empty Drop	13	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> orders	Browse Structure Search Insert Empty Drop	11	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> products	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> users	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	32.0 KiB	-
6 tables	Sum	39	InnoDB	utf8mb4_general_ci	192.0 KiB	0 B

☐ Check all With selected:

Users:

Server: 127.0.0.1 / Database: farm_marketplace / Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	UserId 🔑	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	FirstName	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	LastName	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	Email 🔑	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	Password	varchar(200)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	TypeAccount	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#)

Customer:

Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Triggers

Table structure

Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	CustomerID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	UserId	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	Address	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	City	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	Province	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	PhoneNumber	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext

[Print](#)
[Propose table structure](#)
[Move columns](#)
[Normalize](#)

Add

column(s)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	CustomerID	3	A	No	
Edit Rename Drop	UserId	BTREE	No	No	UserId	3	A	No	

Farmer:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 FarmerID 🔑	int(11)			No	None		AUTO_INCREMENT	Change Drop More ▾
<input type="checkbox"/>	2 UserId 🔑	int(11)			No	None			Change Drop More ▾
<input type="checkbox"/>	3 Address	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More ▾
<input type="checkbox"/>	4 City	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More ▾
<input type="checkbox"/>	5 Province	varchar(60)	utf8mb4_general_ci		No	None			Change Drop More ▾
<input type="checkbox"/>	6 PhoneNumber	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More ▾

☐ Check all
 With selected:
 Browse
 Change
 Drop
 Primary
 Unique
 Index
 Spatial
 Fulltext

[Print](#)
[Propose table structure](#) ⓘ
 [Move columns](#)
[Normalize](#)

Add

 column(s)

Indexes ⓘ

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	FarmerID	1	A	No	
Edit Rename Drop	UserId	BTREE	No	No	UserId	1	A	No	

Order Item:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	OrderItemId	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	OrderId	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	ItemName	varchar(69)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	ItemQuantity	int(11)			No	None			Change Drop More
<input type="checkbox"/> 5	ItemPrice	decimal(10,2)			No	None			Change Drop More

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#)

[Print](#) [Propose table structure](#) [Move columns](#) [Normalize](#)

Add 1 column(s) after ItemPrice [Go](#)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	OrderItemId	13	A	No	
Edit Rename Drop	FK_OrderItem_Orders	BTREE	No	No	OrderId	13	A	No	

Orders:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	OrderId	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	UserId	int(11)			Yes	NULL			Change Drop More
<input type="checkbox"/> 3	OrderDate	date			Yes	NULL			Change Drop More
<input type="checkbox"/> 4	Tax	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 5	SubTotal	decimal(10,2)			Yes	NULL			Change Drop More
<input type="checkbox"/> 6	TotalPrice	decimal(10,2)			Yes	NULL			Change Drop More

☐ Check all With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#)

[Print](#) [Propose table structure](#) [Move columns](#) [Normalize](#)

Add 1 column(s) after TotalPrice [Go](#)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	OrderId	7	A	No	
Edit Rename Drop	UserId	BTREE	No	No	UserId	7	A	Yes	

Products:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	ProductID	int(11)		No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2	FarmerID	int(11)		No	None			Change Drop More
<input type="checkbox"/>	3	ProductName	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	4	ProductDescription	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	5	ProductPrice	decimal(10,2)		Yes	NULL			Change Drop More
<input type="checkbox"/>	6	ProductQuantity	int(100)		No	None			Change Drop More
<input type="checkbox"/>	7	ProductImageURL	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More
<input type="checkbox"/>	8	ProductCategory	varchar(255)	utf8mb4_general_ci	No	None			Change Drop More

☐ Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

[Print](#) [Propose table structure](#) [Move columns](#) [Normalize](#)

Add column(s)

Indexes

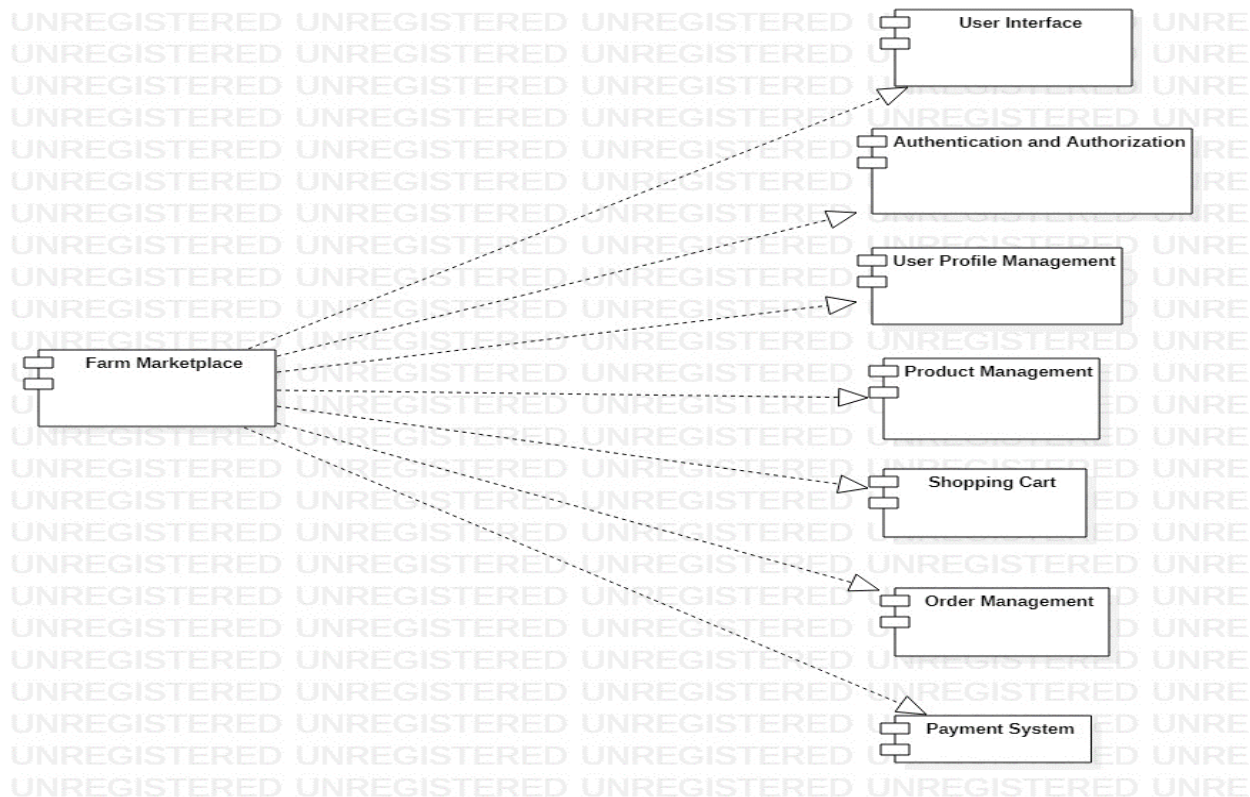
Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Rename Drop	PRIMARY	BTREE	Yes	No	ProductID	0	A	No	
Edit Rename Drop	FarmerID	BTREE	No	No	FarmerID	0	A	No	

5_UML Design

5.1 Class Diagram

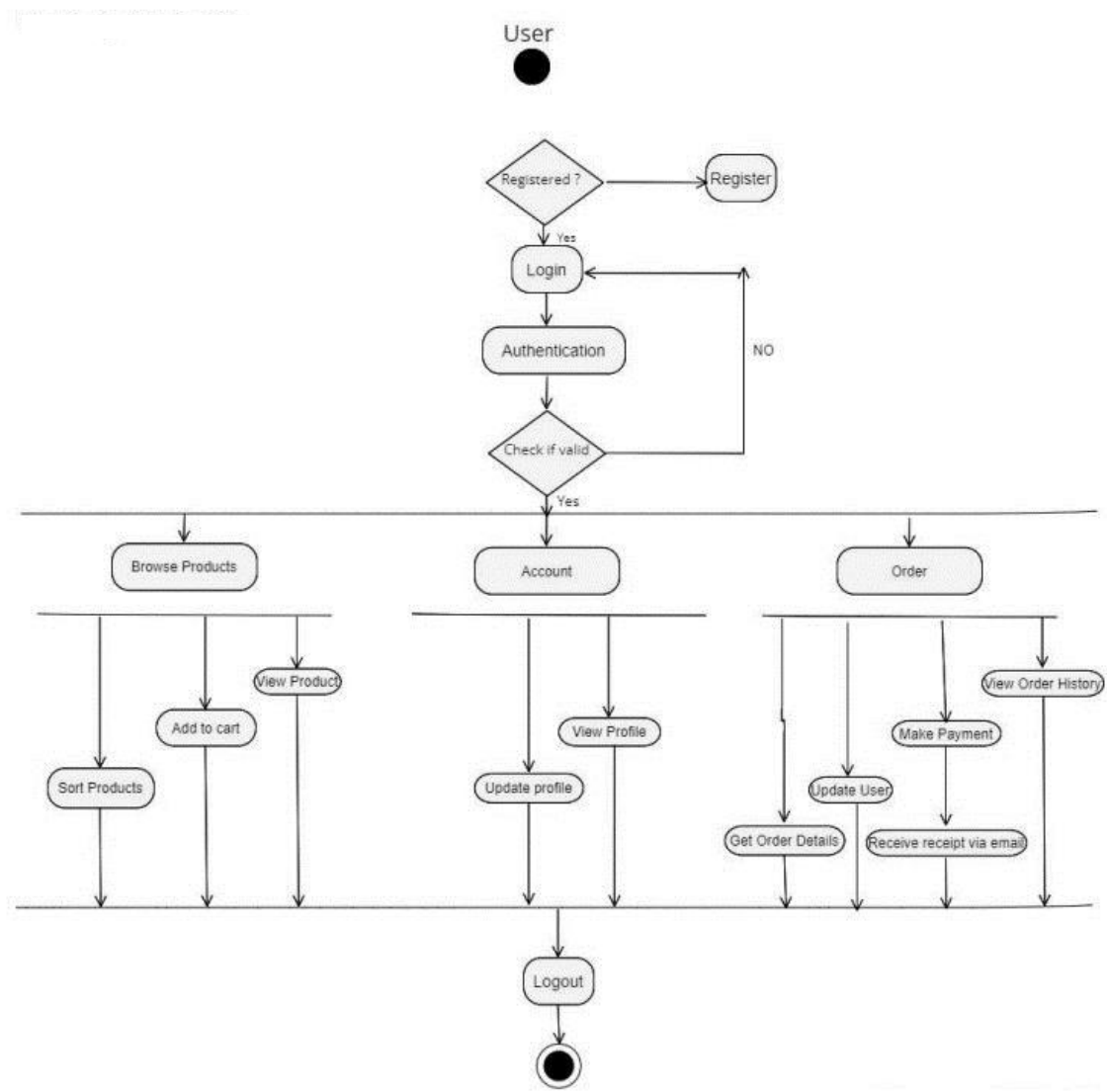


5.2 Component Diagram

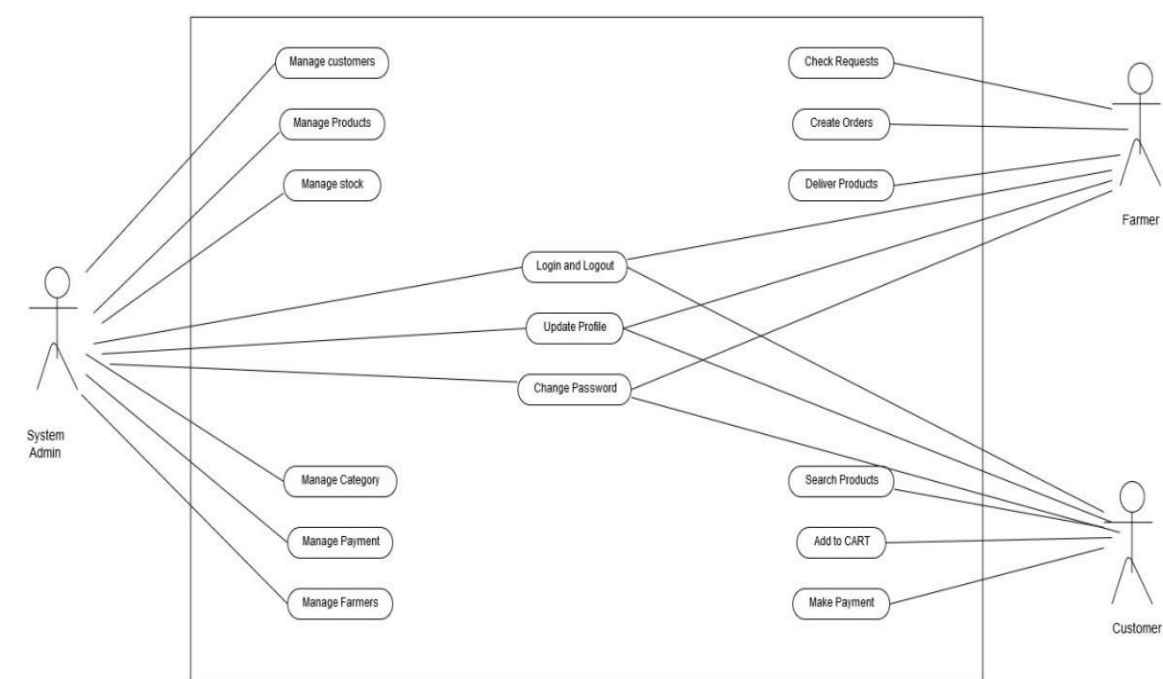


5.3 Activity Diagram

A. User

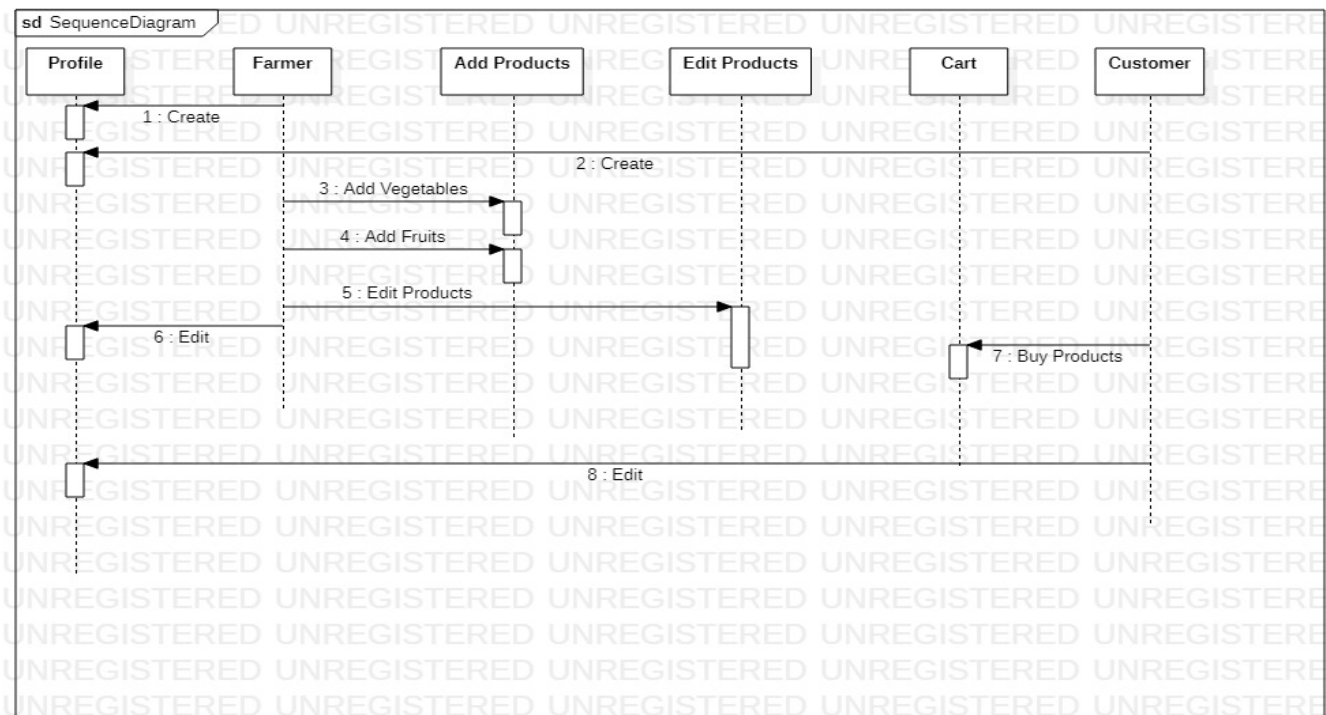


5.4 Use Case Diagram

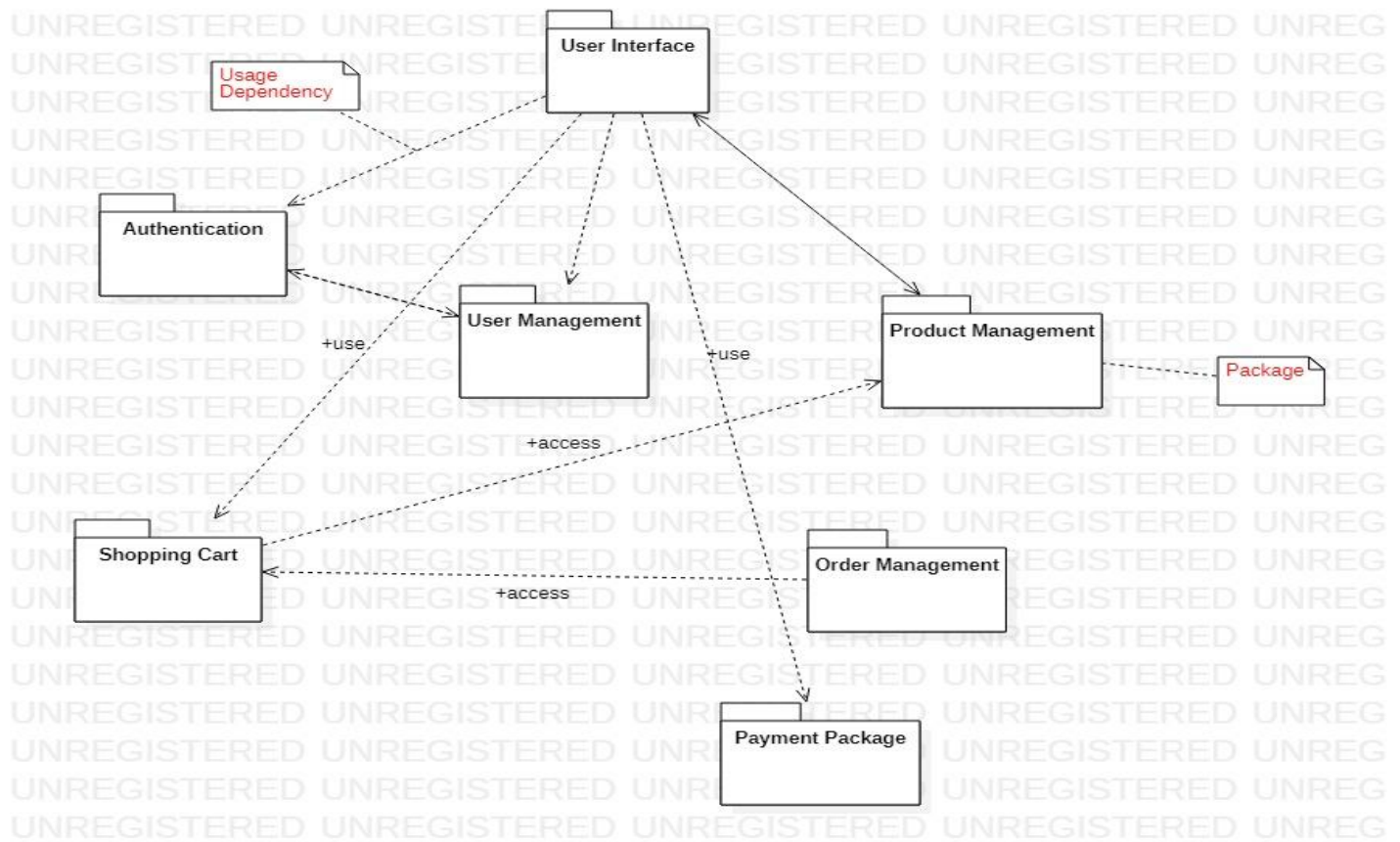


Use case Diagram

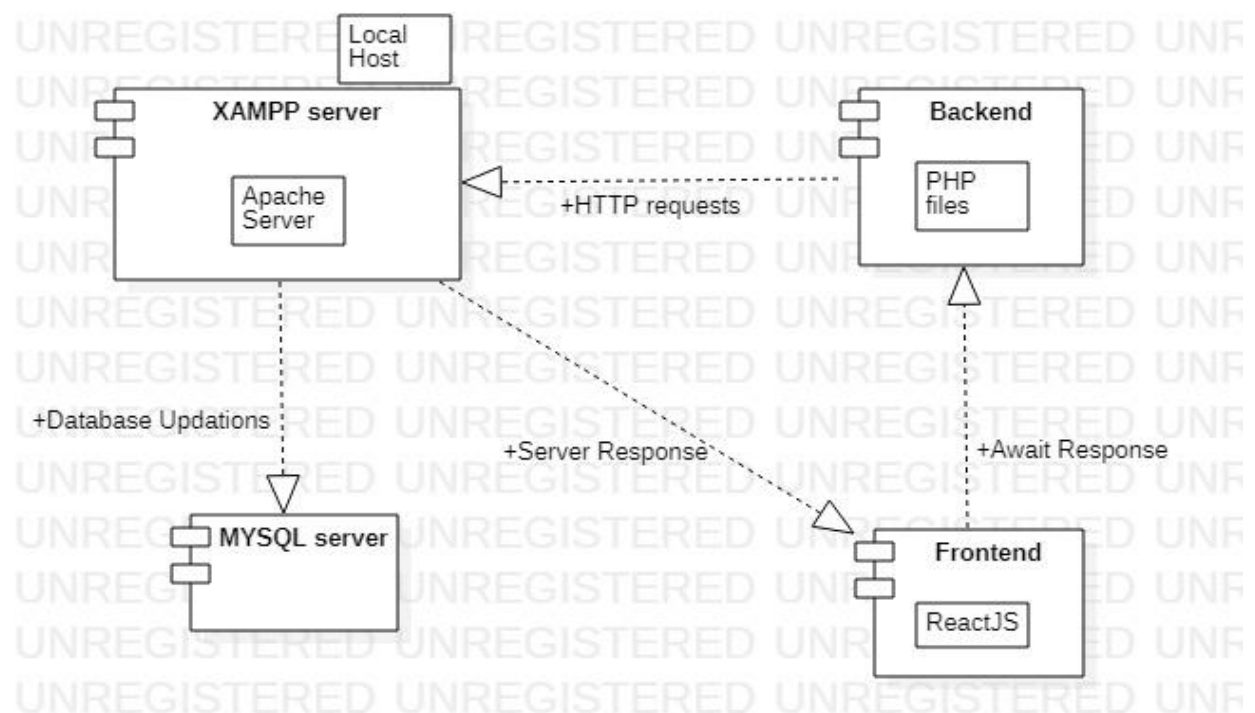
5.5 Sequence Diagram



5.6 Package Diagram

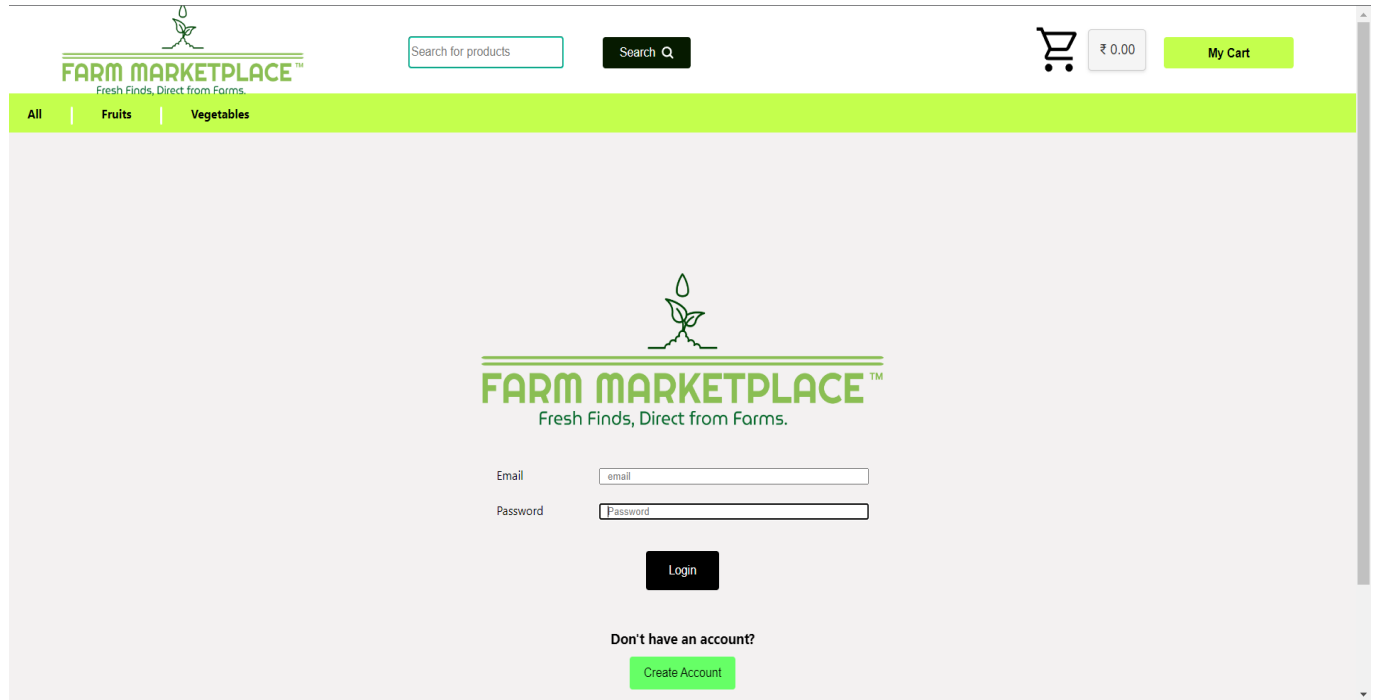


5.7 Deployment Diagram



6. Graphical User Interface

6.1 Login Page



The login page features a header with the Farm Marketplace logo, a search bar, and a shopping cart icon. A green navigation bar contains links for 'All', 'Fruits', and 'Vegetables'. The main content area displays the logo and tagline, followed by login fields for email and password, a 'Login' button, and a 'Create Account' link for users without an account.

FARM MARKETPLACE™
Fresh Finds, Direct from Farms.

Search for products

₹ 0.00

[All](#) | [Fruits](#) | [Vegetables](#)

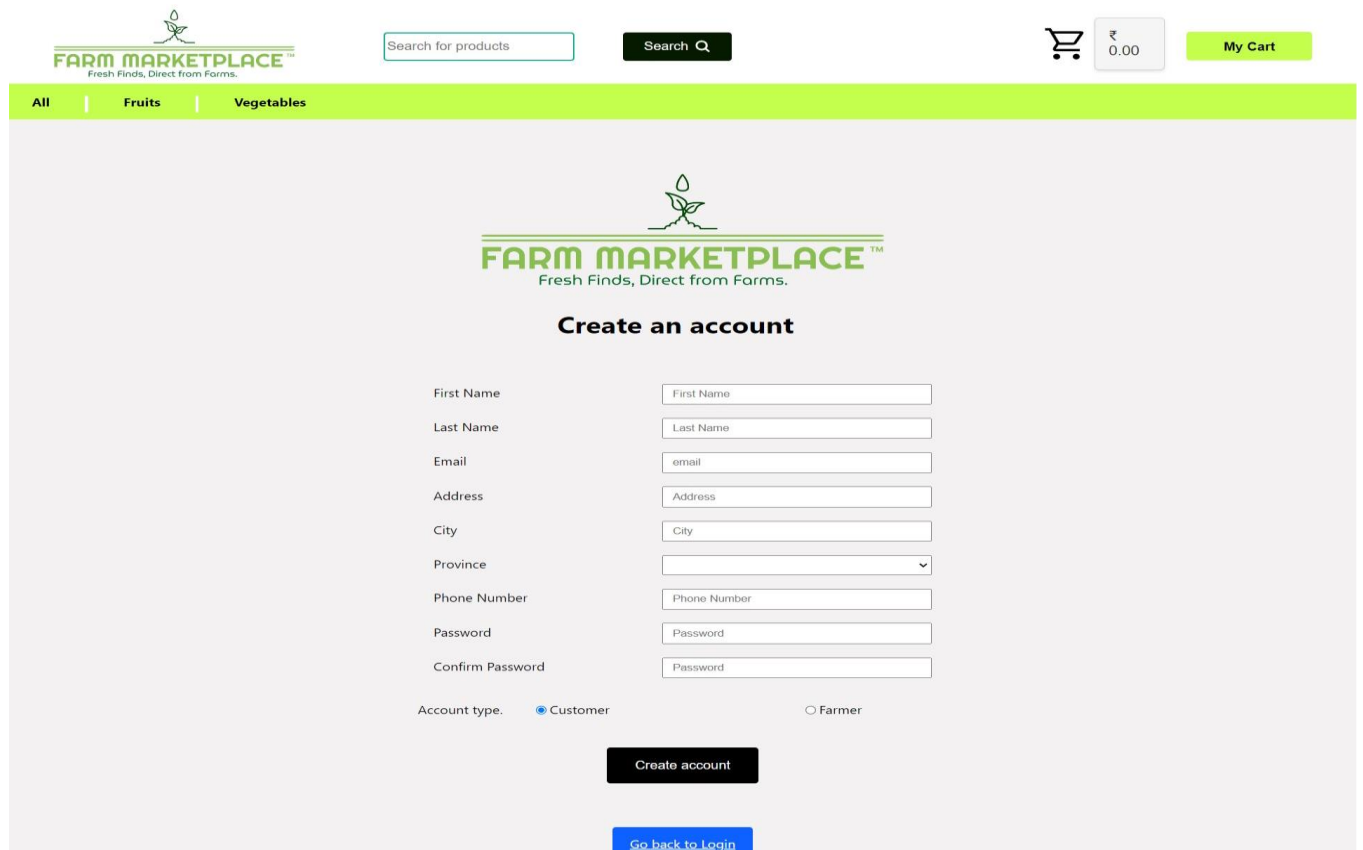
FARM MARKETPLACE™
Fresh Finds, Direct from Farms.

Email

Password

Don't have an account?

6.2 Create Account Page



The create account page features the same header and navigation bar as the login page. The main content area displays the logo and tagline, followed by a 'Create an account' heading and a form with fields for first name, last name, email, address, city, province, phone number, password, and confirm password. There are radio buttons for 'Customer' and 'Farmer' account types, a 'Create account' button, and a 'Go back to Login' link.

FARM MARKETPLACE™
Fresh Finds, Direct from Farms.

Search for products

₹ 0.00

[All](#) | [Fruits](#) | [Vegetables](#)

FARM MARKETPLACE™
Fresh Finds, Direct from Farms.

Create an account

First Name

Last Name

Email

Address

City

Province

Phone Number

Password

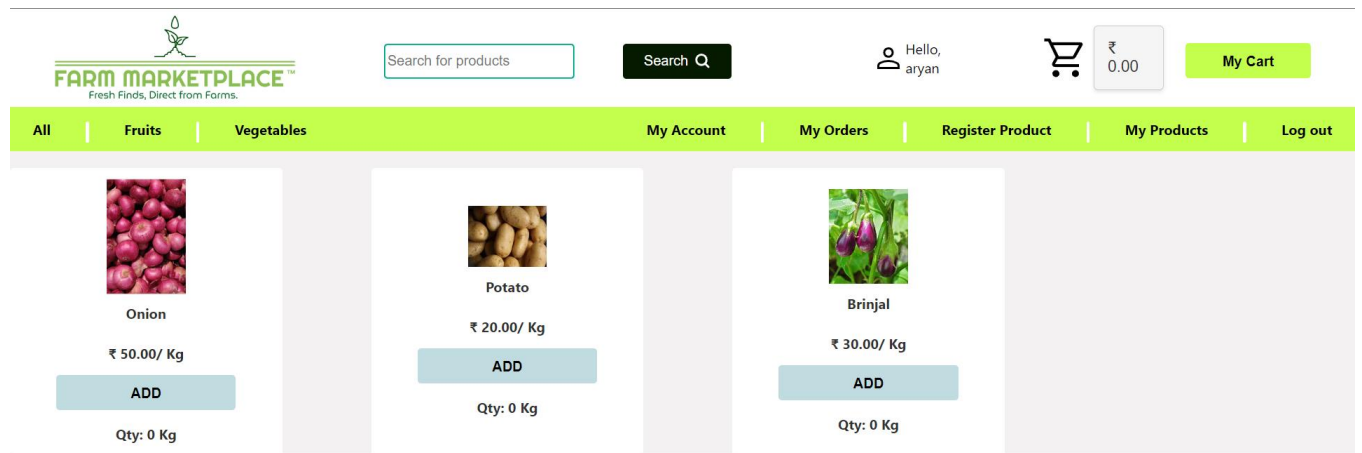
Confirm Password

Account type. ☒ Customer ☐ Farmer

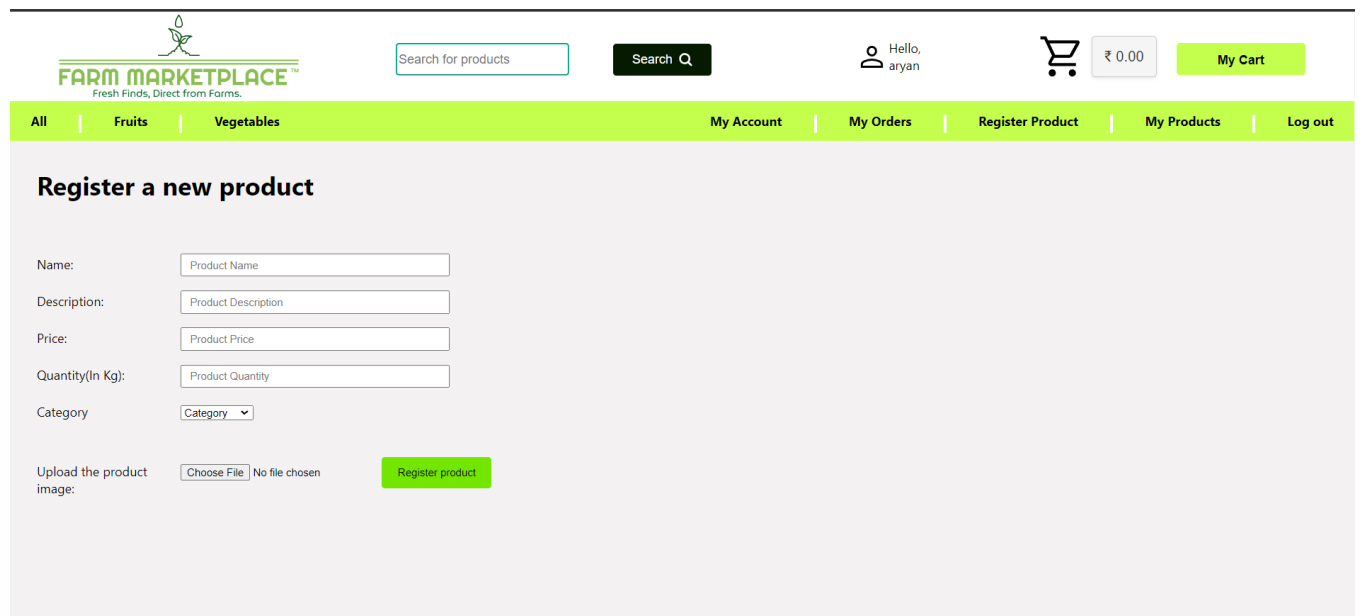
[Go back to Login](#)

6.3 Interface for Farmer


6.3.1 Farmer Home Page





6.3.2 Register New Product



6.3.3 My Products Page



 Hello,
aryan

 ₹ 0.00

All | Fruits | Vegetables | My Account | My Orders | Register Product | My Products | Log out

My Products

Name	Description	Price	Quantity	Category		
kanda	laal kanda	50.00	5	Vegetables	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Batata	chan batata	20.00	6	Vegetables	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Brinjal	o	30.00	5	Vegetables	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

6.3.4 My Account Page

My account

First Name

aryan

Last Name

s

Email

a@gmail.com

Address

ps

City

Pune

Province

Maharashtra

Phone Number

8888833999

Password

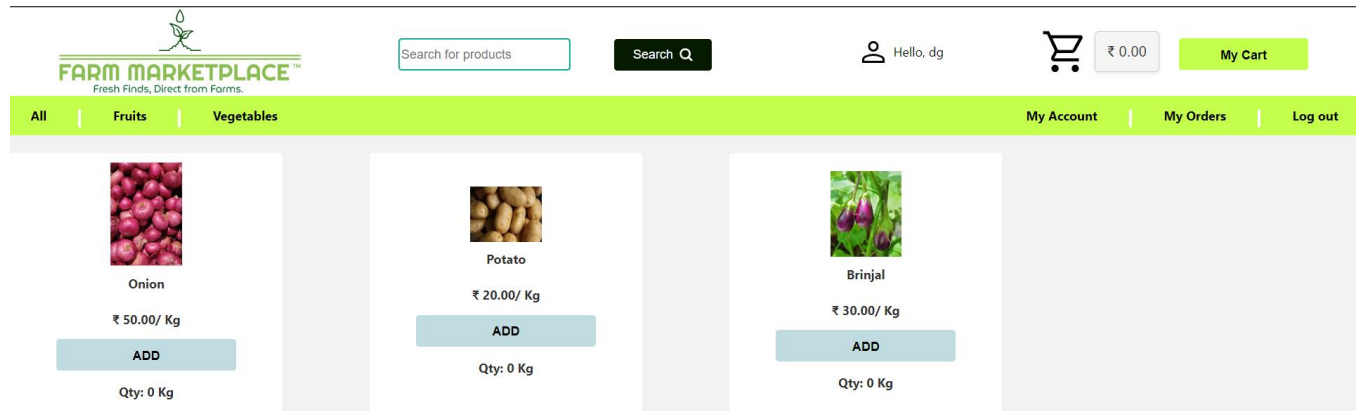
aaa

Your account type

Farmer

6.4 Customer Interface

6.4.1 Home page




6.4.2 My Account Page

The screenshot shows the "My account" page. The header is the same as the home page, but the "My Account" tab is active. The main content area is titled "My account" and contains a form with the following fields:

First Name	<input type="text" value="dg"/>
Last Name	<input type="text" value="s"/>
Email	<input type="text" value="D@gmail.com"/>
Address	<input type="text" value="ps"/>
City	<input type="text" value="mumbai"/>
Province	<input type="text" value="Maharashtra"/>
Phone Number	<input type="text" value="555555555"/>
Password	<input type="text" value="hhhhhhhh"/>
Your account type	<input type="text" value="Customer"/>

At the bottom of the form is a green "Update Account" button.


6.4.3 My Orders Page



Search for products

Search

Hello, dg

 ₹ 0.00

My Cart


All | Fruits | Vegetables

My Account | My Orders | Log out

My Orders

	Date	Sub-total	Tax	Total price	
0	2023-05-25	100.00	100.00	100.00	Receipt
1	2023-05-25	0.00	0.00	0.00	Receipt
2	2023-05-25	100.00	100.00	100.00	Receipt
3	2023-05-25	150.00	150.00	150.00	Receipt
4	2023-05-25	100.00	100.00	100.00	Receipt
5	2023-05-25	100.00	100.00	100.00	Receipt


6.4.4 My Cart Page



Search for products

Search

Hello, dg

 ₹ 120.00


My Cart

All | Fruits | Vegetables

My Account | My Orders | Log out

My Cart

My items:


 kanda

-

Qty: 1

+

₹ 50.00


 Batata

-

Qty: 2

+

₹ 40.00

 Brinjal

-

Qty: 1

+

₹ 30.00

Sub-total price: ₹ 120.00

[Proceed to checkout](#)

7. Source Code

```
import React, {useEffect, useState} from "react";
import { BrowserRouter, Routes, Route } from 'react-router-dom';
import Header from './Header';
import MenuBar from './MenuBar';
// import CustomerListOfProduTs from "./CustomerListOfProduTs";
import CreateAccount from './CreateAccount';
import MyAccount from './MyAccount';
import Login from './Login';
import AddProduct from './AddProduct';
import ProductsFeed from './ProductsFeed';
import { AppContext } from './AppProvider';
import MyProduct from './MyProduct';
import EditProduct from './EditProduct';
import MyCart from './MyCart';
import Receipt from './Receipt';
import MyOrders from './MyOrders';
const Home = () => {
    const url = 'http://localhost/backend/';
    const path = 'http://localhost:3000/www/';

    const [userId, setUserId] = useState('');
    const [userName, setUserName] = useState('');
    const [hasSession, setHasSession] = useState(false);
    const [cart, setCart] = useState({});
    const [cartPrice, setCartPrice] = useState(0);
    const [categoryType, setCategoryType] = useState("All");
    const [typeAccount, setTypeAccount] = useState("");

    useEffect(() => {
        if(sessionStorage.getItem("id")){
            setUserId(sessionStorage.getItem("id"));
            setUserName(sessionStorage.getItem("name"));
            setTypeAccount(sessionStorage.getItem("typeOfAccount"));
            setHasSession(true);
        }
        const newCart = JSON.parse(sessionStorage.getItem("myCart"));
        if(!(newCart === null)){
            setCart(newCart);
        }
        const totalPrice = sessionStorage.getItem("totalPrice");
```

```

        if(!totalPrice === null){
            setCartPrice(totalPrice);
        }else{
            sessionStorage.setItem("totalPrice", cartPrice);
        }
    }, [setCart, setCartPrice, cartPrice]);

    return (
        <>
        <AppContext.Provider value={{url, path,
user_id, cart, setCart, userName, categoryType, typeAccount,
hasSession, setCategoryType, cartPrice, setCartPrice}}>
            <BrowserRouter>
                {/* <Header name = {userName} session = {hasSession}>/>
*/}

                <Header/>
                <MenuBar session = {hasSession}/>
                {/* <ProductsFeed /> */}
                <Routes>
                    {/* <Route exact path="/" element={<Home />}/> */}
                    <Route exact path="/www" element={<Login />}/>
                    <Route path="/login" element={<Login/>} />
                    <Route path="/createAccount" element={<CreateAccount
/>} />

                    <Route path="/myAccount" element={<MyAccount />} />
                    <Route path="/addProduct" element={<AddProduct />} />
                    <Route path="/productFeed" element={<ProductsFeed />}

/>

                    <Route path="/myProducts" element={<MyProduct />} />
                    <Route path="/editProduct" element={<EditProduct />} />
                    <Route path="/myCart" element={<MyCart />} />
                    <Route path="/receipt" element={<Receipt />} />
                    <Route path="/myOrders" element={<MyOrders />} />
                </Routes>
            </BrowserRouter>
        </AppContext.Provider>
    </>
)
}

export default Home;

```

For Entire Source Code:

<https://github.com/grpathak22/pbl2-farm-marketplace>

8. Test Cases

8.1 Create Account

8.1.1 Email Validation:

Create an account

First Name	<input type="text" value="guruprasad"/>
Last Name	<input type="text" value="pathak"/>
Email	<input type="text" value="ggmail.com"/>
Address	<input type="text" value="spine road"/>
City	<input type="text" value="Pune"/>
Province	<input type="text" value="Maharashtra"/>
Phone Number	<input type="text" value="9511798303"/>
Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>

Account type. ☒ Customer ☐ Farmer

Create account

Email must be valid

8.1.2 Phone Number Validation

Create an account

First Name	<input type="text" value="guruprasad"/>
Last Name	<input type="text" value="pathak"/>
Email	<input type="text" value="g@gmail.com"/>
Address	<input type="text" value="spine road"/>
City	<input type="text" value="Pune"/>
Province	<input type="text" value="Maharashtra"/>
Phone Number	<input type="text" value="951678332"/>
Password	<input type="password" value="*****"/>
Confirm Password	<input type="password" value="*****"/>

Account type. ☒ Customer ☐ Farmer

Create account

Mobile number must be 10 digits

8.1.3 Password Validation

Create an account

First Name	<input type="text" value="guruprasad"/>
Last Name	<input type="text" value="pathak"/>
Email	<input type="text" value="g@gmail.com"/>
Address	<input type="text" value="spine road"/>
City	<input type="text" value="Pune"/>
Province	<input type="text" value="Maharashtra"/>
Phone Number	<input type="text" value="9516783321"/>
Password	<input type="password" value="*****"/>
Confirm Password	<input type="password" value="*****"/>

Account type. ☒ Customer ☐ Farmer

Create account

Password must be at least 8 characters

8.1.4 User Created

Create an account

First Name	<input type="text" value="guruprasad"/>
Last Name	<input type="text" value="pathak"/>
Email	<input type="text" value="g@gmail.com"/>
Address	<input type="text" value="spine road"/>
City	<input type="text" value="Pune"/>
Province	<input type="text" value="Maharashtra"/>
Phone Number	<input type="text" value="9516783321"/>
Password	<input type="password" value="....."/>
Confirm Password	<input type="password" value="....."/>

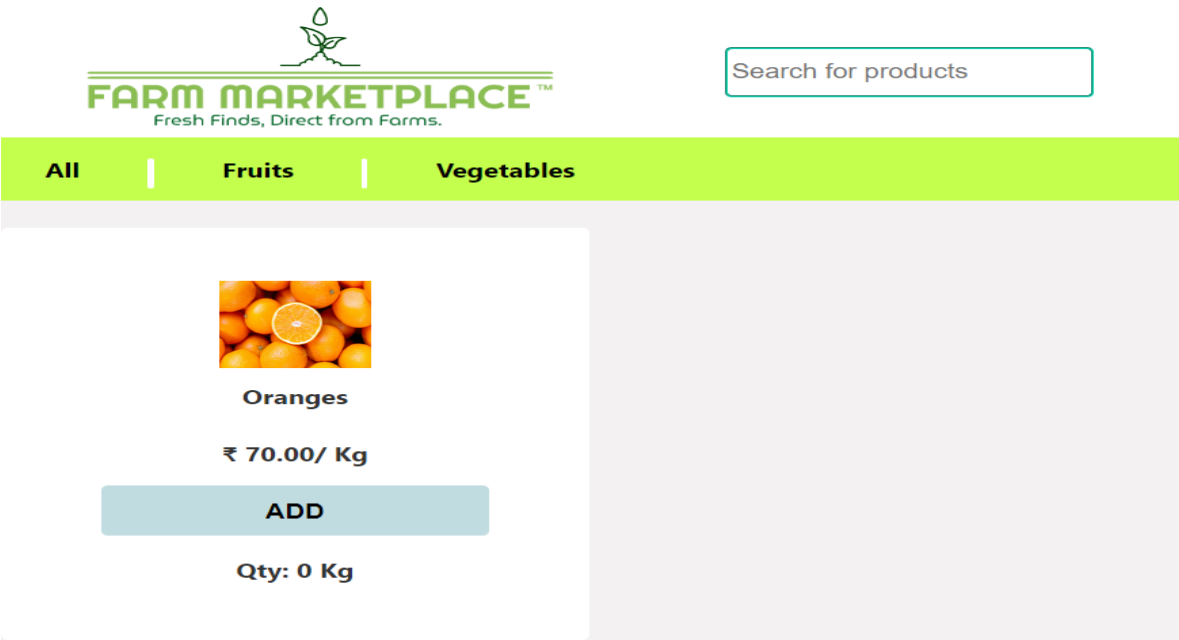
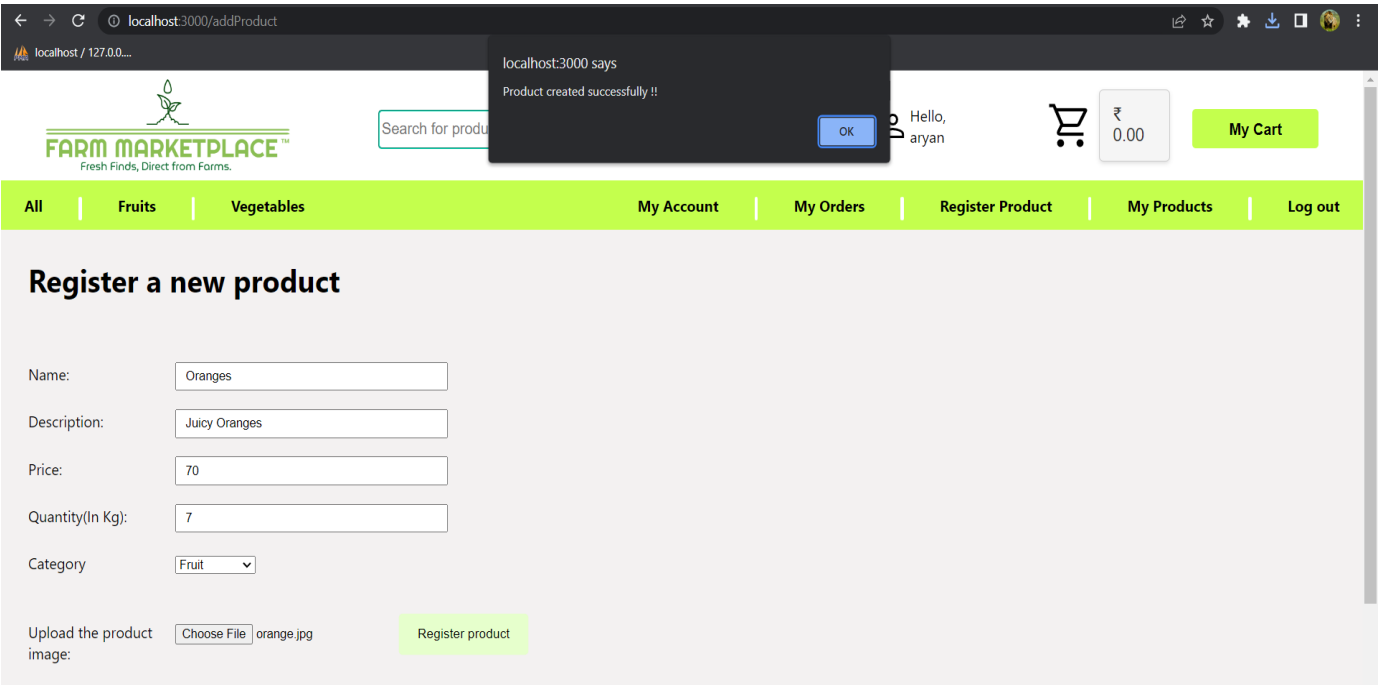
Account type. ☒ Customer ☐ Farmer

Create account

User created

[Go back to Login](#)

8.2 Register Product



8.2 Edit Product

localhost / 127.0.0.1... localhost:3000 says
Product updated. OK Hello, aryan ₹ 0.00 My Cart

FARM MARKETPLACE™
Fresh Finds, Direct from Farms.

Search for product

All | Fruits | Vegetables | My Account | My Orders | Register Product | My Products | Log out

Edit product

Name:

Description:

Price:

Quantity:

Category:

Upload the product image: No file chosen

A photograph of several purple brinjals (eggplants) hanging from a green vine with leaves.

In above test case, Price of the product was changed.

8.3 Delete Product

localhost / 127.0.0.1... localhost:3000 says
Deleted product. OK Hello, aryan ₹ 0.00 My Cart

FARM MARKETPLACE™
Fresh Finds, Direct from Farms.

Search for product

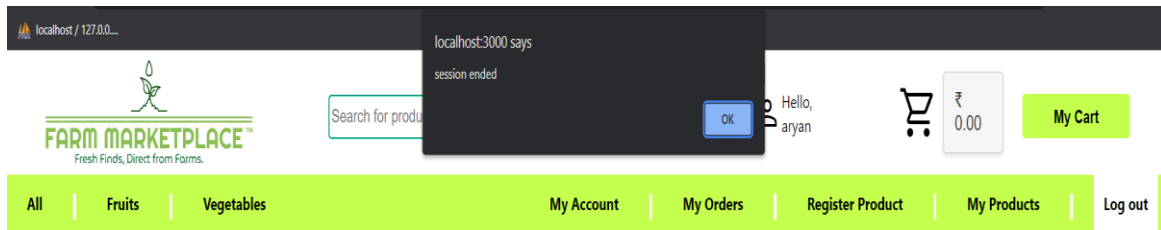
All | Fruits | Vegetables | My Account | My Orders | Register Product | My Products | Log out

My Products

Name	Description	Price	Quantity	Category		
kanda	laal kanda	50.00	5	Vegetables	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Batata	chan batata	20.00	6	Vegetables	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Brinjal	o	40.00	5	Vegetables	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
Oranges	Juicy Oranges	70.00	7	Fruit	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

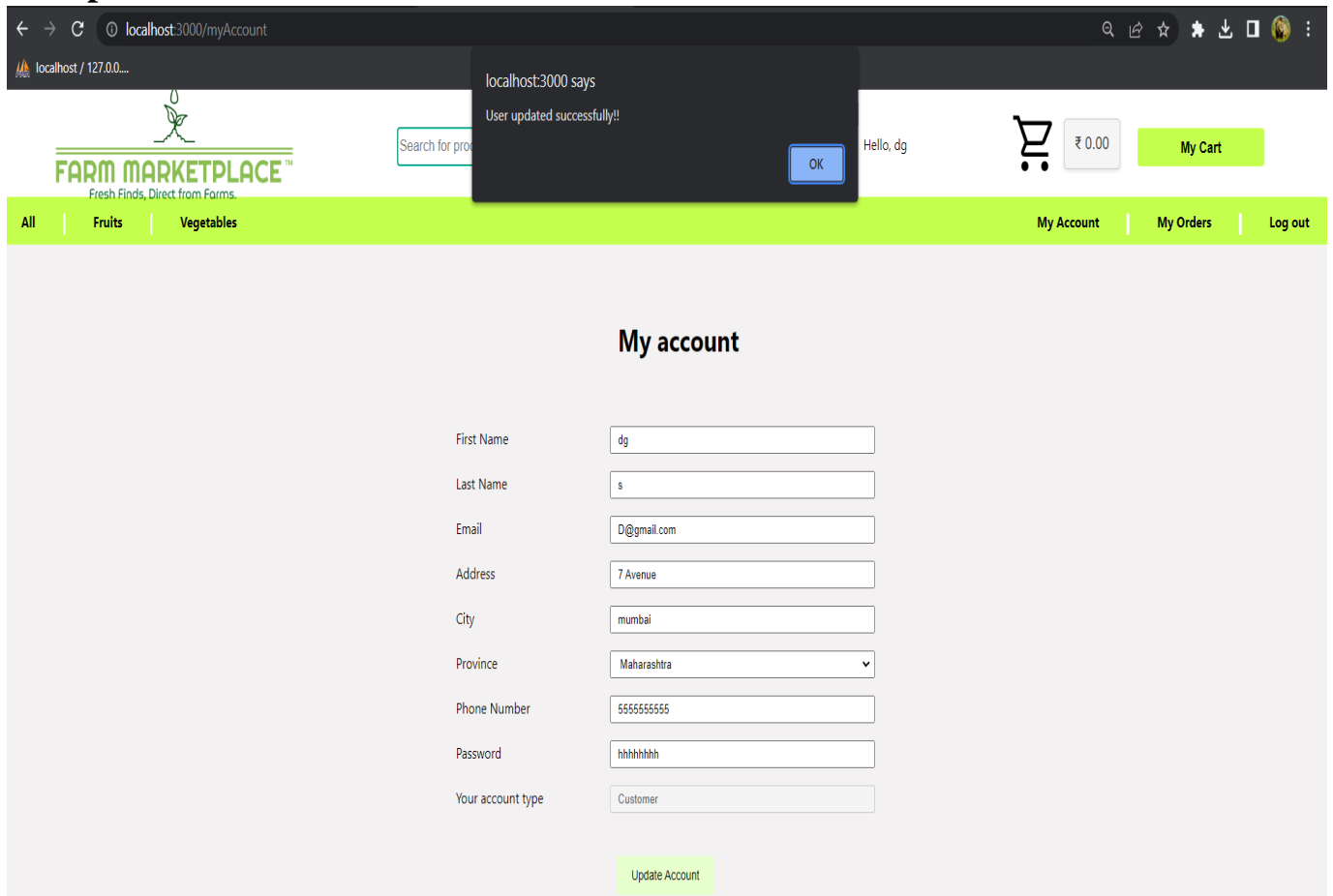
In above test case, Product named Brinjal was deleted.

8.4 Logout



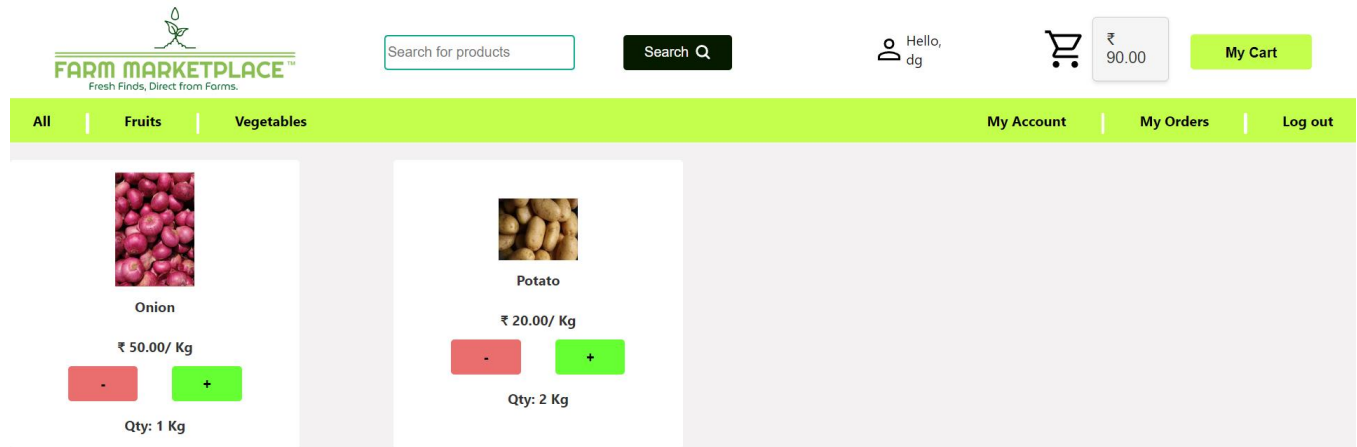
My Products

8.5 Update Account

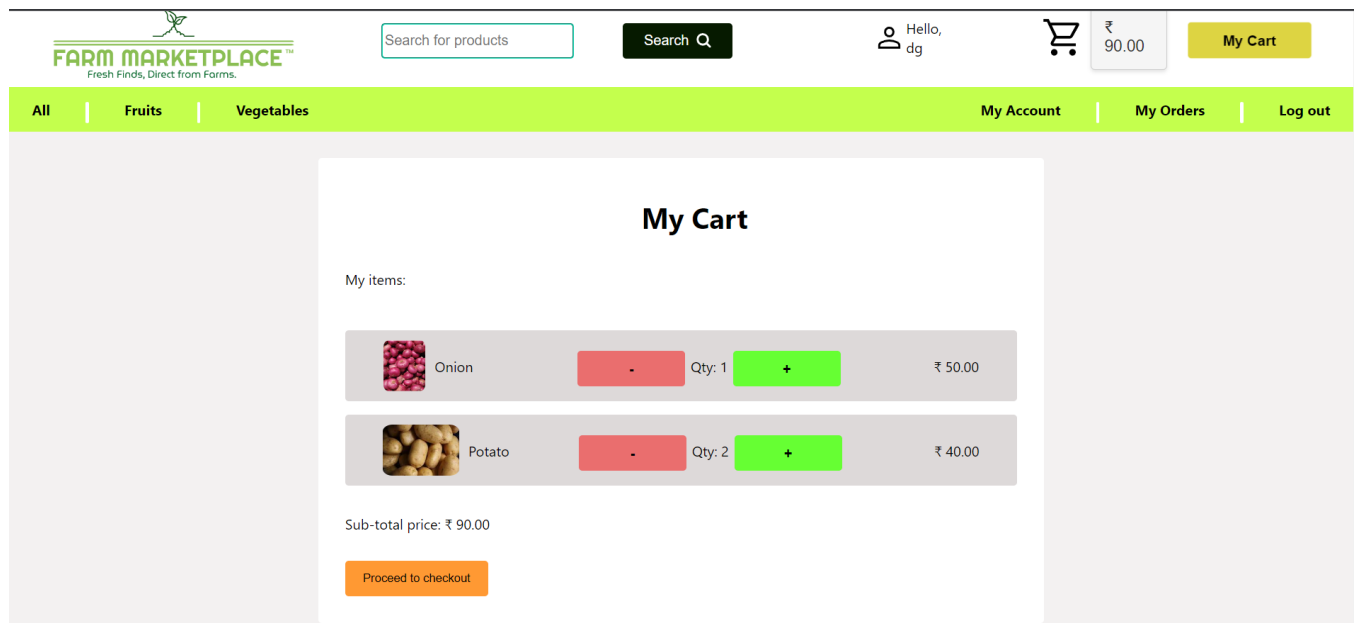


8.6 Customer Ordering Products

8.6.1 Adding to My Cart



8.6.2 My Cart



8.6.3 Checkout

8.6.3.1 Credit Card Validation

Payment method


Credit Card Number:

Expire Month:

Expire Year:

Enter valid Credit Card Number

8.6.4 Placing Order

Potatoes

₹ 40.00

Sub-total price: ₹ 90.00


Payment method

Credit Card Number:

Expire Month:


Expire Year:


8.6.5 Reciept



Search for products

Search

Hello,
dg



₹
0.00

My Cart

All | Fruits | Vegetables

My Account | My Orders | Log out

Receipt

Name: dg s

Date: 2023-05-29

Onion	1	₹ 50.00
Potato	2	₹ 20.00

Sub-total: ₹ 90.00

Tax: 18%

Total price: ₹ 106.2

9. Conclusion

Farm Marketplace project aims to bridge the gap between farmers and customers, providing a platform for efficient buying and selling of farm products. Through the implementation of various functional requirements, such as user registration, product management, browsing, and order management, the application offers a seamless experience for both farmers and customers. Additionally, the project addresses important non-functional requirements, including performance, security, usability, compatibility, scalability, and efficient database management. By fulfilling these requirements, the Farm Marketplace application can effectively serve its purpose, empowering farmers and providing customers with a convenient and reliable marketplace for their agricultural needs. The application aims to revolutionize the agricultural marketplace, benefiting both farmers and customers alike.

