ConnectFarma
Bringing farms to families

INTERNAL PROJECT REPORT

Submitted to: Department of Computer Applications

College Name: JG University

Course: BCA Semester 5

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Project Overview:

Title: ConnectFarma

Tagline: Bringing Farmers to Families.

Project Type: In-House

Technology Stack: HTML, CSS, JAVASCRIPT, PHP/Python, MySQL

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ConnectFarma
Bringing farms to families

Reporting-1: Project Proposal & Planning

1. ## Project Title:
   ConnectFarma – A Local Farmers Market Website

2. ## Problem Statement:
   a) Farmers face challenges in connecting directly with urban consumers due to the lack of digital platforms. This allows middlemen to take advantage, increasing their profits and selling products to consumers at a higher price. There is a need for a transparent, user-friendly platform to bridge this gap and facilitate direct transactions.

3. ## Existing System and Limitations:
   a) Offline Markets: Time-bound, location-specific, and lack reach.
   b) Existing Apps: Target large-scale agriculture or wholesalers, not local farmers.

   Limitations include:

   a) No direct communication channels between farmers and buyers.
   b) Lack of trust and verification.
   c) Poor UI for illiterate farmers.

Additionally, Platforms like Blinkit, Swiggy Instamart, and Zepto also offer vegetable and fruit delivery services. However, these services often encounter quality issues because their core business models are not centered around fresh produce.

Since selling vegetables does not generate high profits for these companies, they do not focus significantly on improving quality or supply chain efficiency in this area.

ConnectFarma is specifically designed for selling vegetables and fruits. Our platform directly involves local farmers in managing their inventory, ensuring freshness, accountability, and transparency. This farmer-centric model eliminates intermediaries, placing quality control in the hands of those who grow the product.

ConnectFrama aims to be a niche platform dedicated to vegetables and fruits—an area currently underserved by mainstream delivery apps.

Advantages of ConnectFrama:

1. **Direct Farmer-to-Consumer Link**
   Farmers can sell their produce directly to customers without middlemen, ensuring better profits.

2. **Fresh and Quality Produce**
   Since farmers manage their own stock, customers receive fresh fruits and vegetables with assured quality.

3. **Fair Pricing**
   Eliminating intermediaries results in transparent and reasonable pricing for both farmers and buyers.

4. **Focus on Fruits & Vegetables Only**
   Unlike other platforms, ConnectFrama is fully dedicated to the fruits and vegetable segment, ensuring specialized service.

5. **User-Friendly Platform**
   Designed with simplicity in mind for both farmers and consumers, including easy registration and order management.

6. **Community Empowerment**
   It supports local agriculture, boosts farmer income, and promotes healthy eating in urban areas.

4. Proposed System:

Key Features & Functionalities:

a. Farmer Portal: Register, upload products, update stock/pricing.
b. Customer Portal: Browse, filter, search, and place orders.
c. Admin Panel: Manage users, products, and handle disputes.
d. Order System: Cart, payment, and delivery tracking.

Modules and Sub-modules:

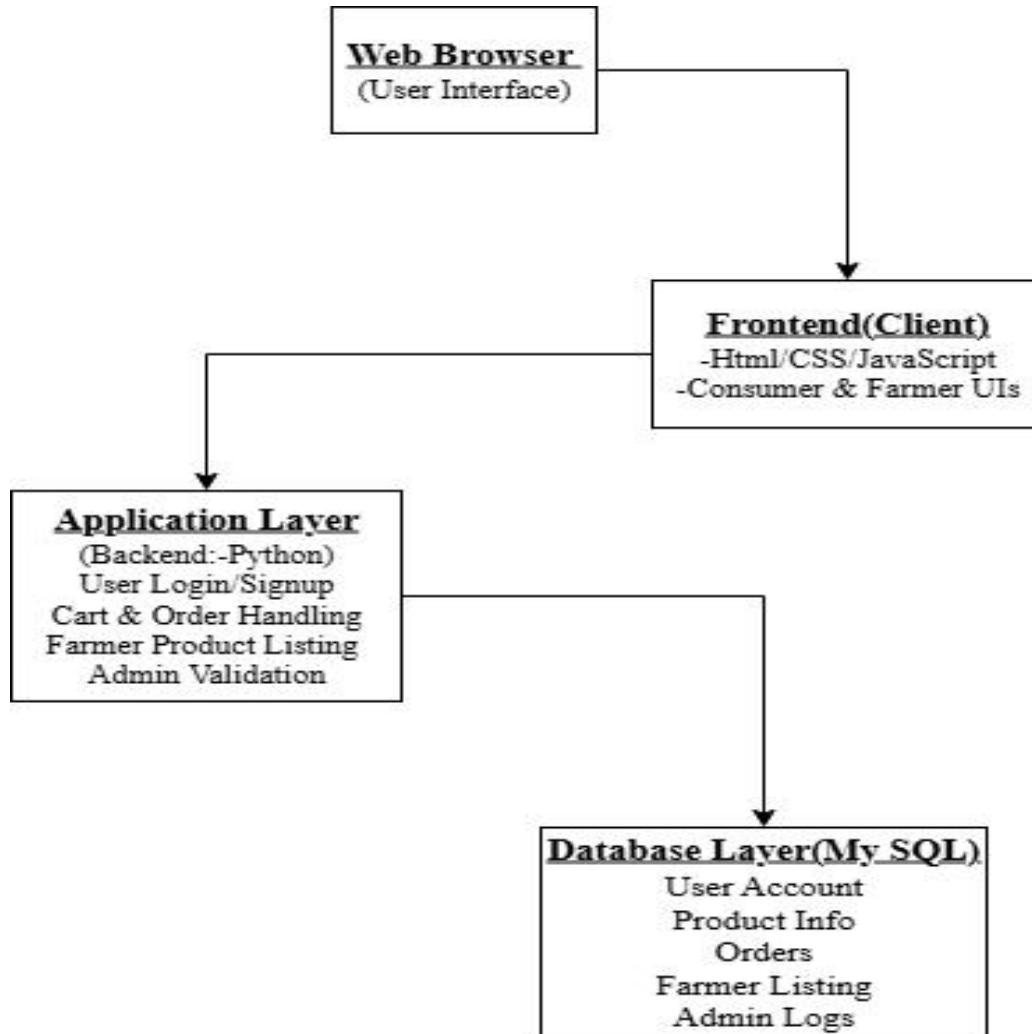| Module	Sub-modules
Farmer Module	Registration, Login, Product Upload, Order Tracking
Customer Module	Registration, Product Browsing, Add to Cart, Place Order
Admin Module	Approved Users, View Reports, Manage Listings
Order Module	Invoice Generation, Status Updates, Delivery Coordination

Reporting-2: System Design & Database Development & Data Dictionary

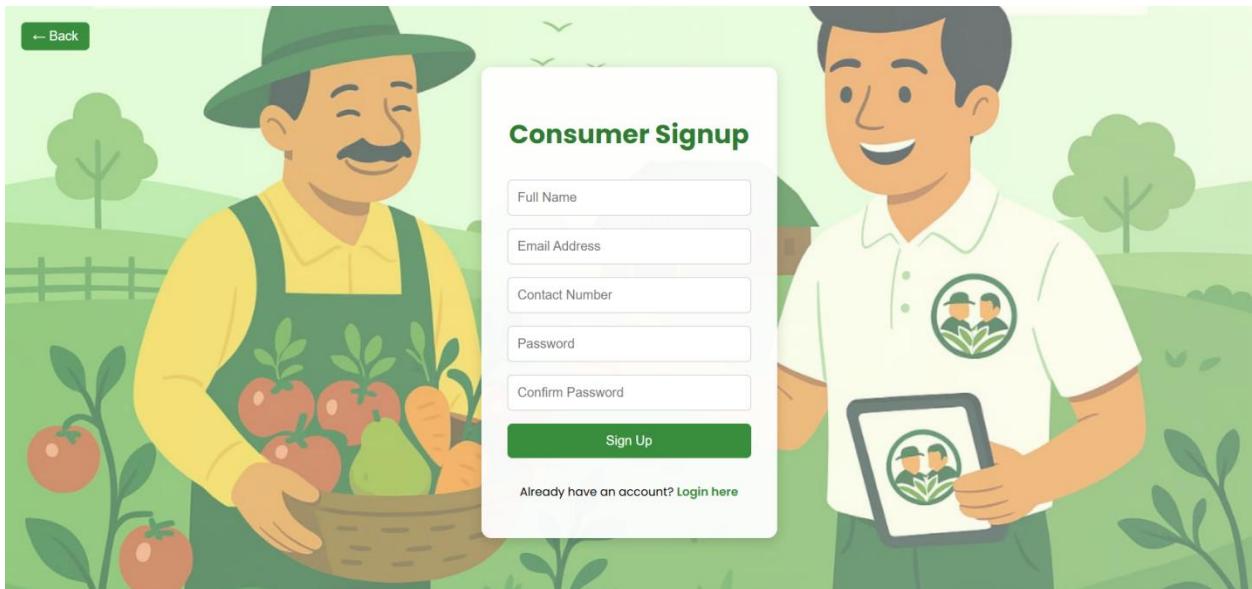ConnectFarma
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System_Diagram

Web Browser
(User Interface)

Frontend(Client)
-Html/CSS/JavaScript
-Consumer & Farmer UIs

Application Layer
(Backend:-Python)
User Login/Signup
Cart & Order Handling
Farmer Product Listing
Admin Validation

Database Layer(My SQL)
User Account
Product Info
Orders
Farmer Listing
Admin Logs

System Design

Design Layout ::

1. Home Page
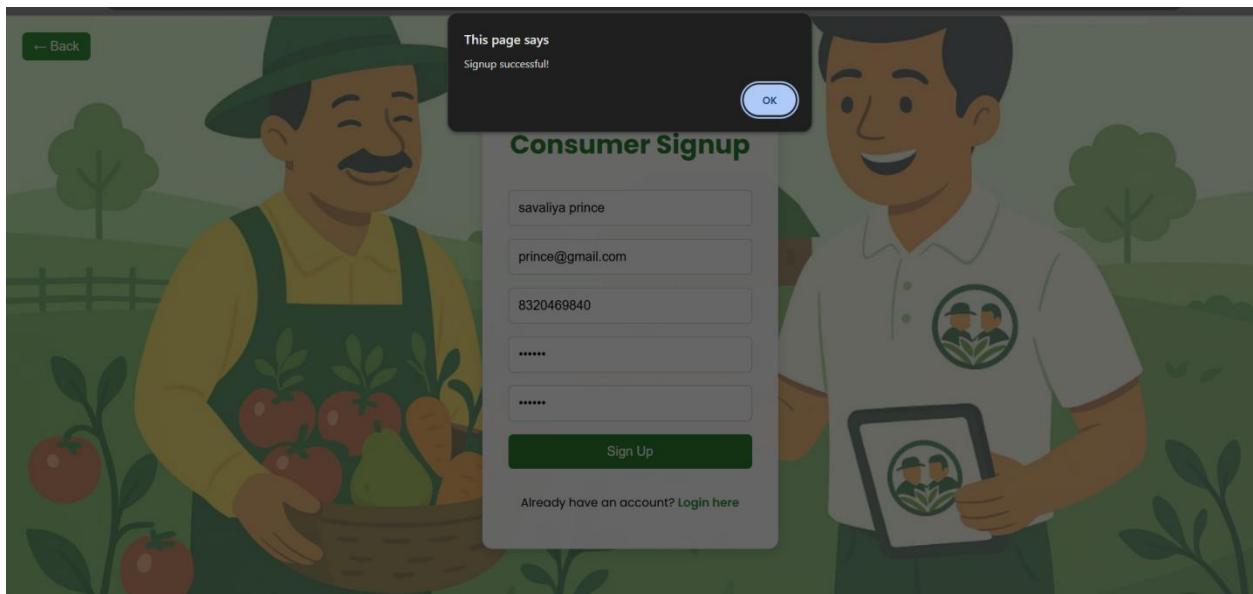
2. Consumer Signup

3. Sign up Cerditianls

4. Sign Up Message
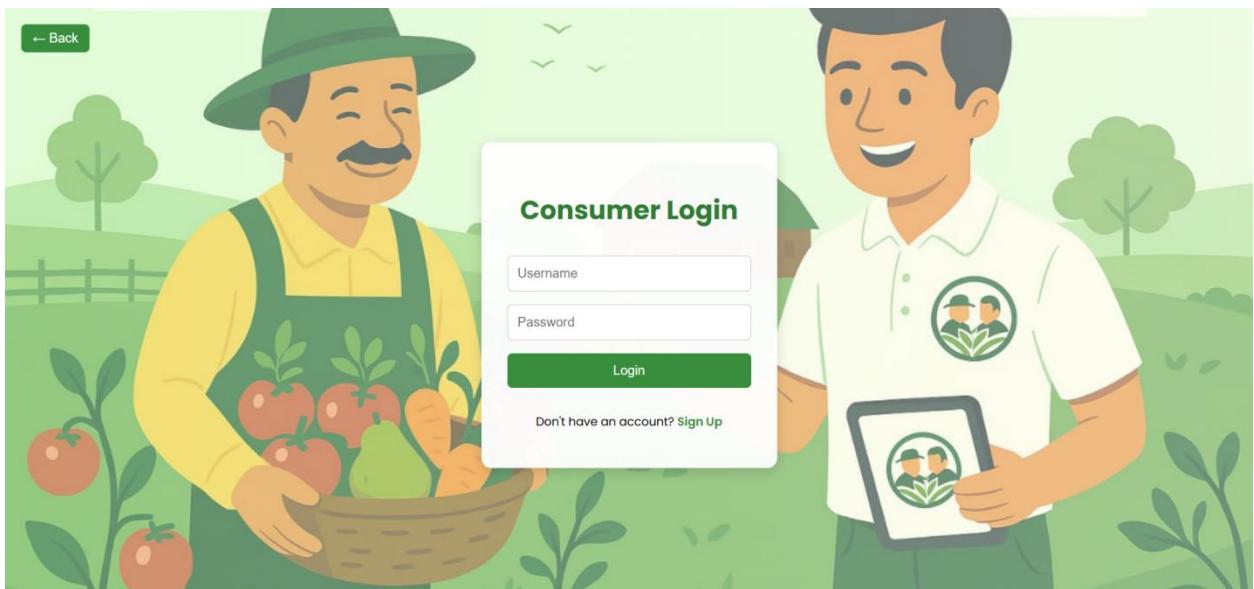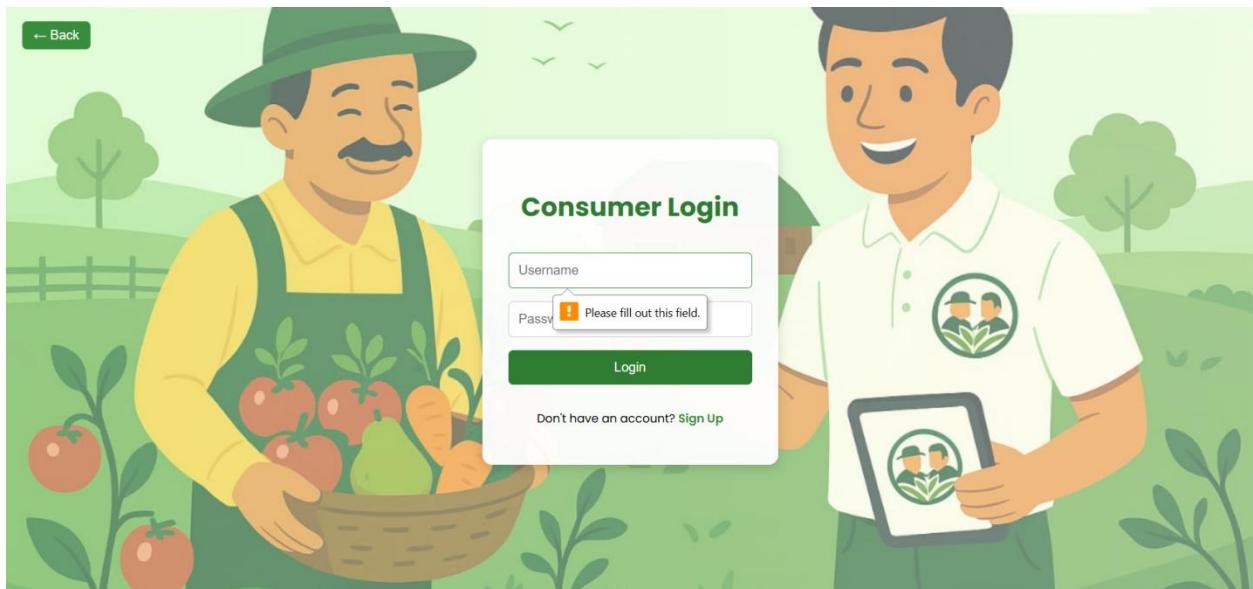
5. Consumer Login page

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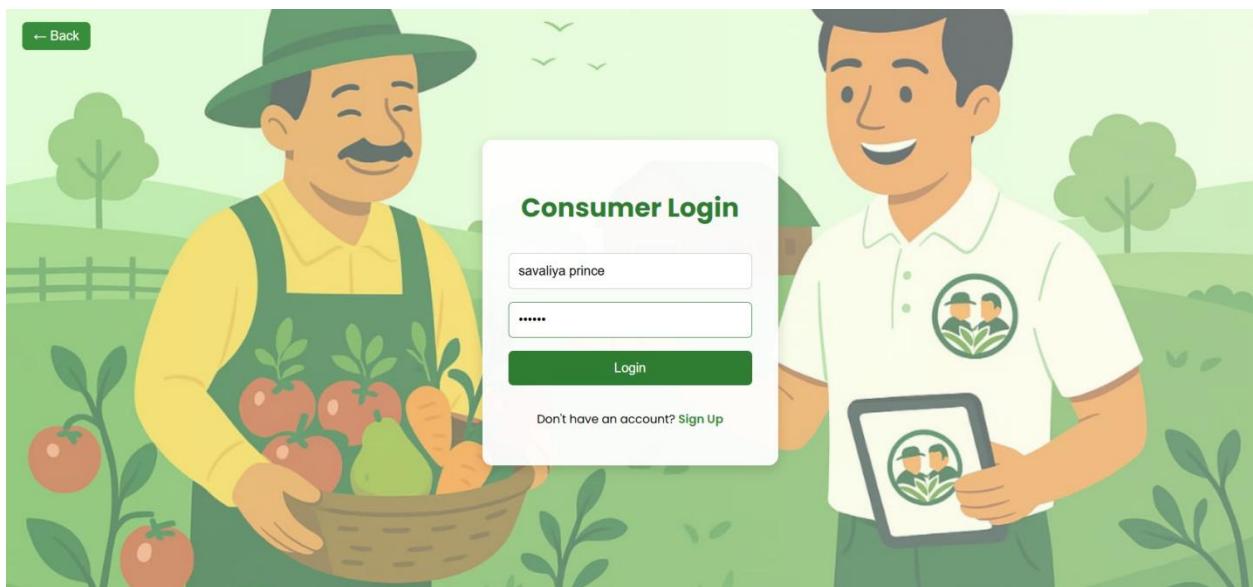
6. Login Credentials

← Back

Consumer Login

Username

Passw ⚠ Please fill out this field.

Login

Don't have an account? Sign Up

7. Login Detail

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8. Consumer's Home Page

| ConnectFrama | | | | | Home   Orders   Cart   Logout |
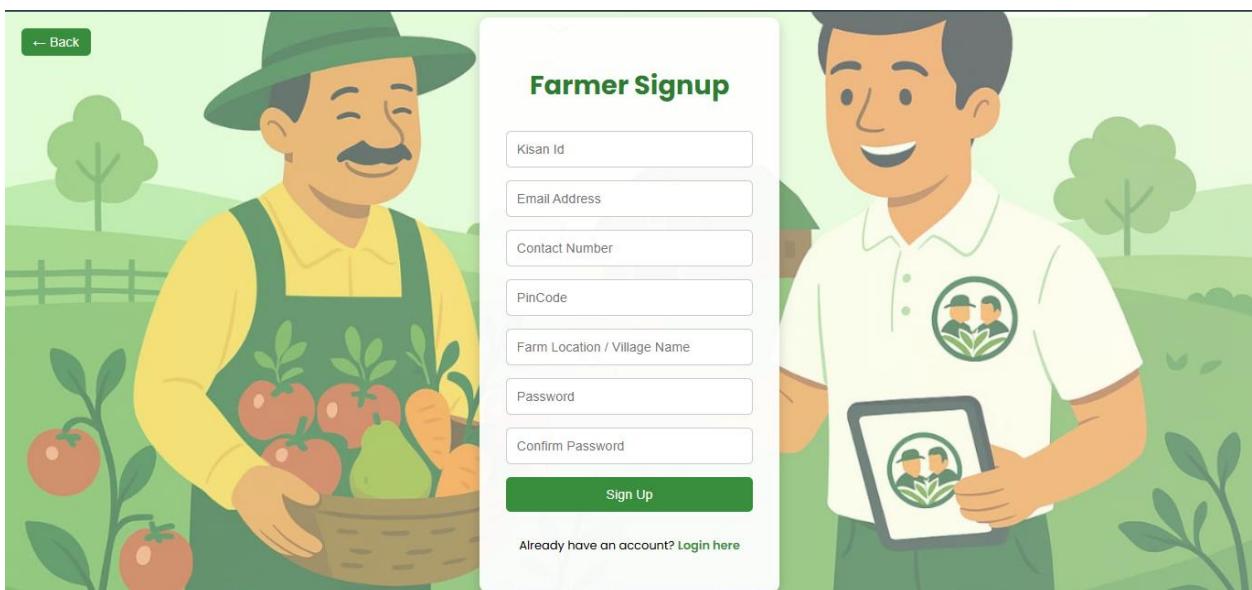
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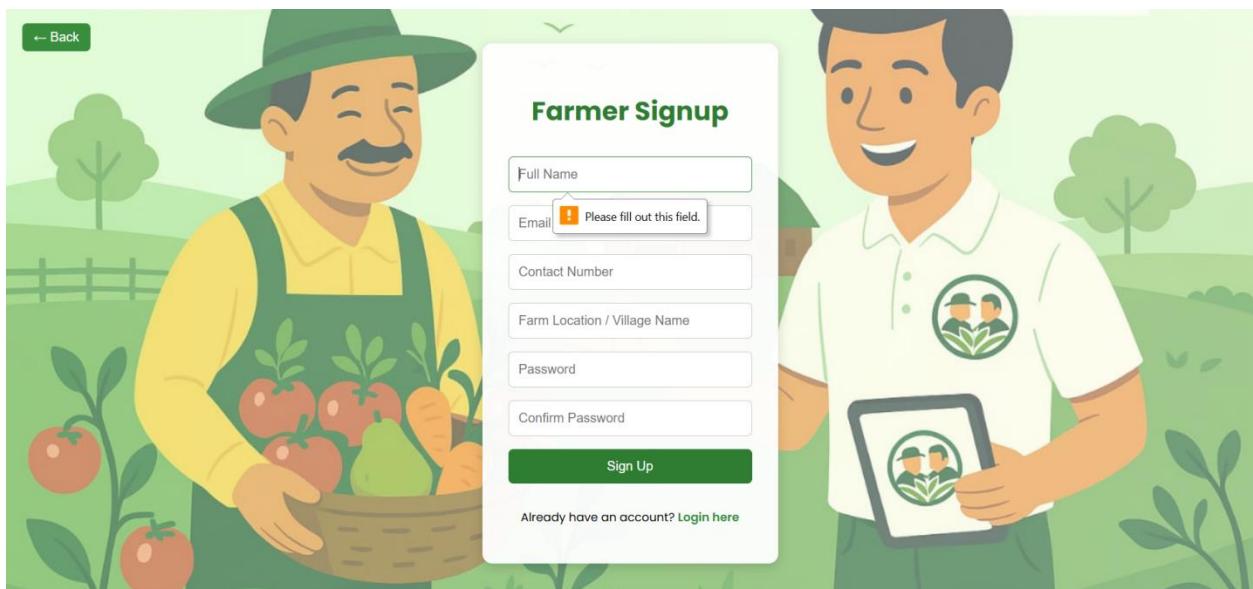
9. Farmer Sign up Page

← Back

Farmer Signup

Kisan Id

Email Address

Contact Number

PinCode

Farm Location / Village Name

Password

Confirm Password

Sign Up

Already have an account? Login here
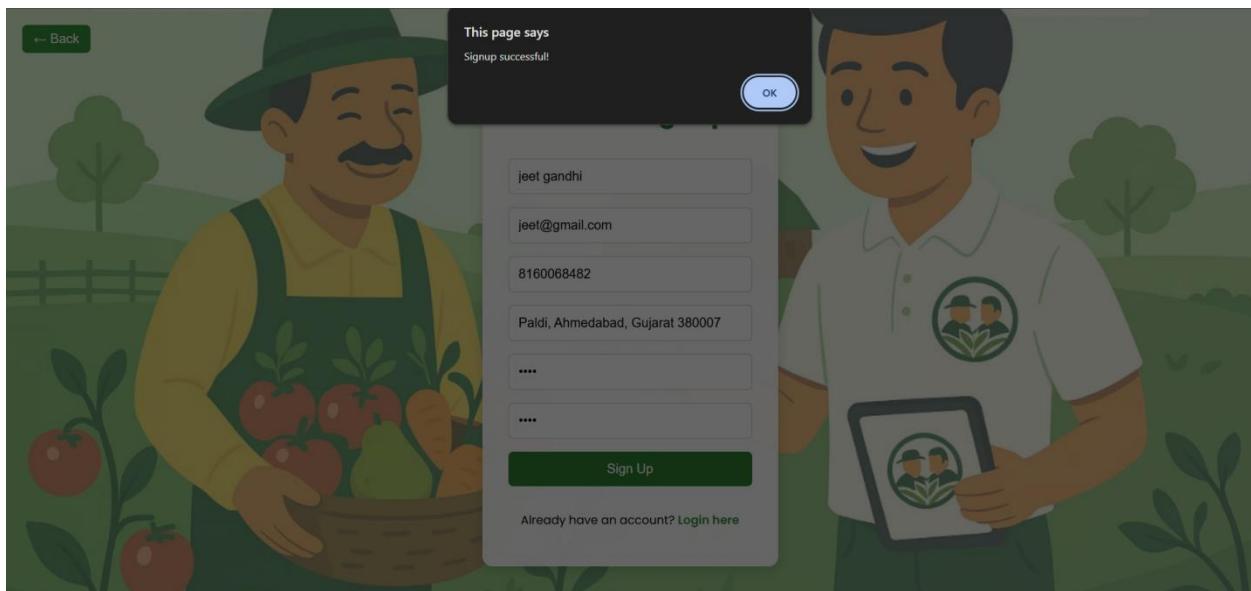
10. Farmer Sign up Credentials
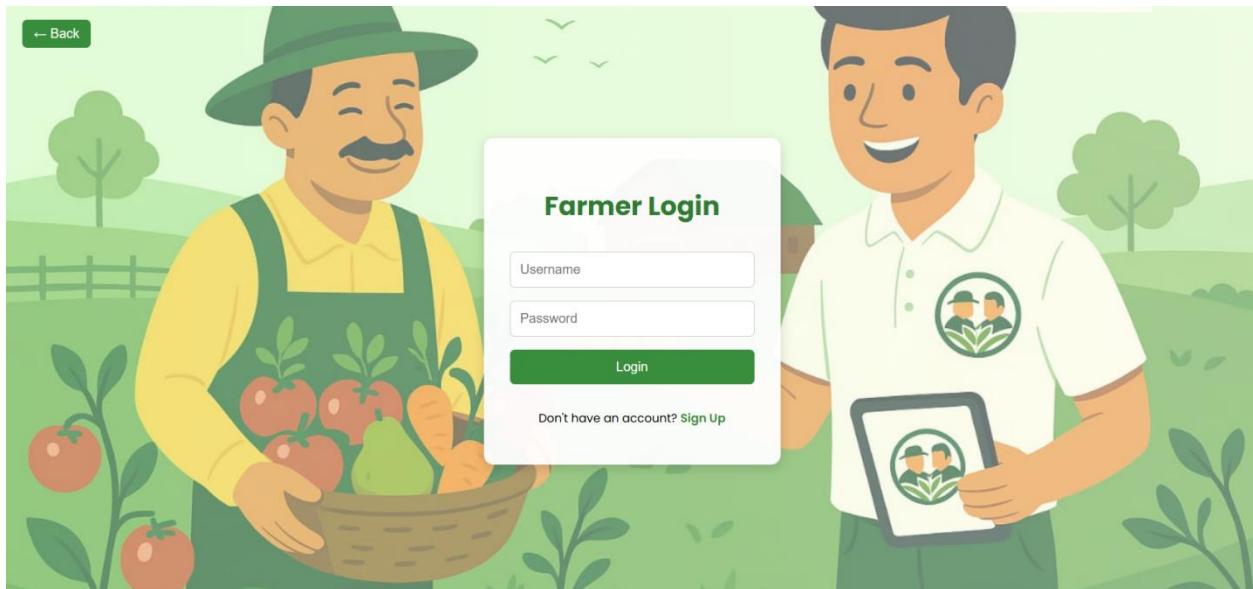
11. Farmer Sign Up Success Message
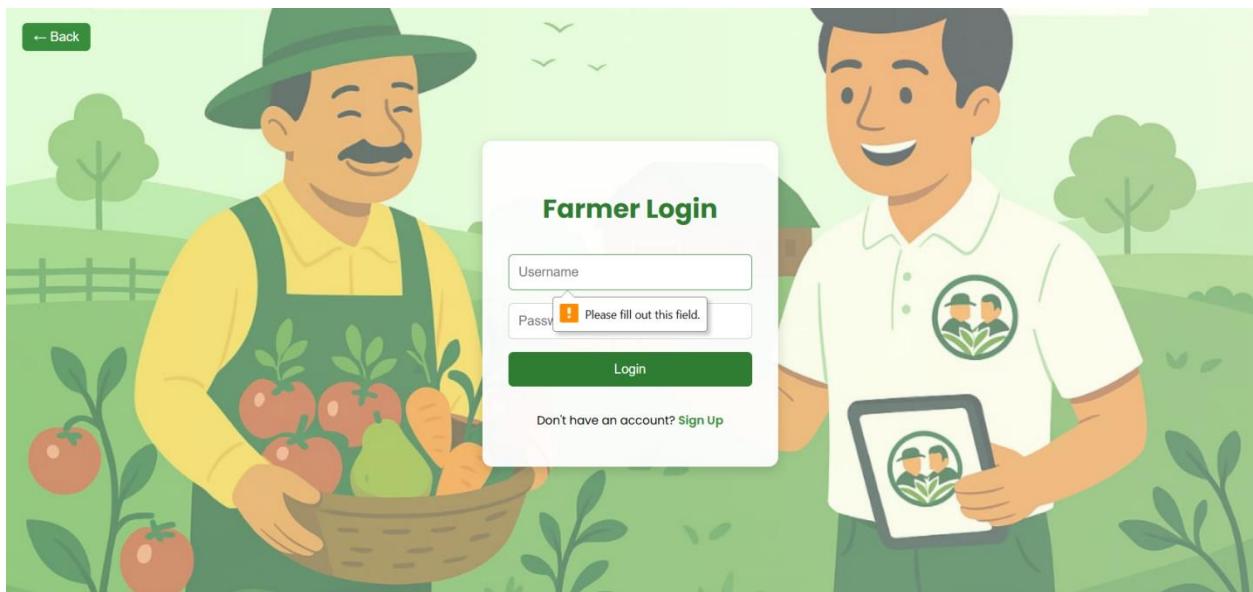
12. Farmer Log In
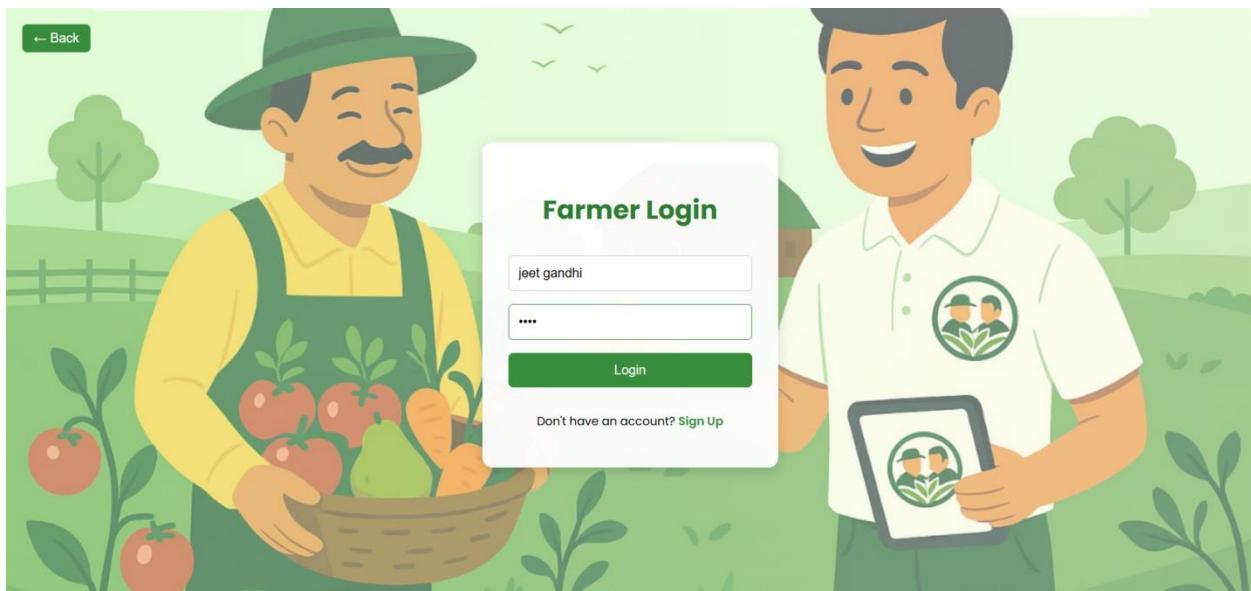
13. Log In Credentials

14. Login Done

Database Development

1. Consumer Table

Column Name	Data Type	Constrains	Description
c_id	Int(11)	Primary Key	Consumer id
name	Varchar(30)	Not Null	Consumer Name
email	Varchar(30)	Not Null	User Email id
contact_no	Int(10)	Not Null	Contact Number
password	Varchar(100)	Not Null	Password

2. Farmer Table

Column Name	Data Type	Constrains	Descriptions
f_id	Int(10)	Primary Key	Farmer id
kisanid	Int(13)	Not Null	Kisan Id
name	Varchar(50)	Not Null	Farmer name
email	Varchar(50)	Not Null	Farmer email
contact_no	Int(10)	Not Null	Conatct Number
pincode	Int(07)	Not Null	Pincode
village name	Varchar(100)	Not Null	Village Name
password	Varchar(100)	Not Null	Password

3. Product Table

Column Name	Data Type	Constrains	Description
p_id	Int(10)	Primary Key	Product id
f_id	Int(10)	Foreign Key	Farmer id
p_name	Varchar(100)	Not Null	Product name

Modules and Sub-modules:

Module	**Sub-modules**
Farmer Module	Registration, Login, Product Upload
Customer Module	Registration, Product Browsing, Add to Cart, Place Order
Admin Module	Approved Users, View Reports, Manage Listings
Order Module	Invoice Generation, Status Updates

1. User Registration (Consumers & Farmers)

Allows both consumers and farmers to sign up by providing basic details like name, email, contact number, and password. Validates input and securely stores user data in the database.

2. Login & Authentication

Enables registered users to log in securely. Authenticates credentials and manages user sessions to personalize access to features.

3. Product Categories

Displays farm product categories like fruits, vegetables, dairy, etc., with images and descriptions. Helps users easily browse what's available.

4. Product Listing & Details

Farmers can upload products with names, prices, and images. Consumers can view product details, availability, and prices before ordering.

5. Order Placement & Cart

Consumers can add items to their cart, review the list, and place an order. The cart system helps manage multiple items and total cost calculations.

6. Admin Dashboard

Provides control to monitor users, products, and orders. Admin can approve farmer accounts, manage data, and ensure smooth operations.

7. Farmer Dashboard

Farmers can manage their profile, add or edit product listings, and track orders received. It simplifies their selling process.

8. Consumer DashBoard

Consumers can view past orders, track current ones, and manage their profile. Gives a clear overview of their buying activity.

9. Contact & Support

A contact page for consumers or farmers to raise questions or concerns. Ensures good communication and trust in the platform.

Flow Diagram