Requirement Gathering

Date : 24/01/2025

Project Overview:

Farmfolio is a web platform designed to connect farm owners directly with consumers, addressing the gap in accessibility to fresh, locally-produced goods. By creating a streamlined, transparent, and user-friendly interface, the platform eliminates intermediaries, simplifies communication, and promotes sustainable agriculture practices.

System Scope:

Farmfolio is proposed as a full-scale implementation aimed at providing a comprehensive platform for connecting farm owners, consumers, delivery personnel, and administrators. The system goes beyond a prototype or research model, focusing on creating a fully functional and sustainable solution that can be deployed for real-world use.

Target Audience:

☐ **Local Farmers and Agricultural Businesses**

- **Interest:**
  - ○ Benefit from a transparent marketplace that provides greater visibility and consumer reach.

☐ **Local Communities**

- **Interest:**
  - ○ Gain access to fresher, locally sourced products, supporting sustainability and reducing reliance on long supply chains.

☐ **Regional Governments and Agricultural Organizations**

   - **Interest:**
     - ○ Encourage platforms that support local economies, reduce food waste, and promote sustainable agricultural practices.

Modules:

1. User Management Module

Functionalities:

- Registration and login for Farm Owners, Consumers, Delivery Personnel, and Admins.
- Profile management (e.g., personal details, contact information).
- Role-based access control to restrict or enable specific features.

2. Farm Management Module (For Farm Owners)

Functionalities:

- Farm registration and listing.
- Product catalog management (add, update, and remove products).
- Promotion of farm events such as workshops, tours, and local markets.

3. Product Browsing Module (For Consumers)

Functionalities:

- Search for farms based on location, product type, or ratings.
- View detailed product listings, farm descriptions, and event details.
- Access contact information for direct communication with farm owners.

4. Ratings and Reviews Module

Functionalities:

- Allow consumers to rate farms and leave reviews based on their experiences.
- Display ratings and reviews for each farm to build trust and help others make informed decisions.

5. Delivery Management Module (For Delivery Personnel)

Functionalities:

- Receive delivery requests from farm owners or consumers.
- Track order details, including pickup and drop-off locations.
- Update the status of deliveries (e.g., "In Transit," "Delivered").

6. Admin Dashboard Module

Functionalities:

- Monitor user activity and manage accounts.
- Oversee farm listings, reviews, and event promotions.
- Handle disputes, resolve complaints, and ensure compliance with platform guidelines.

User Roles:

. Farm Owners

Users: Individuals or businesses owning farms who want to sell their products and promote events.
Permissions/Access Levels:

- **Register and Manage Farms:**
  - Create a farm profile with details like name, location, and description.
  - List products, set prices, and update availability.
- **Promote Events:**

- Add, update, and manage events like workshops, farm visits, and local markets.
- **View Ratings and Reviews:**
  - Access feedback and respond to reviews if needed.
- **Communicate with Consumers:**
  - Provide contact details for direct communication.
- **Order Management:**
  - Receive and process consumer orders.

2. Consumers

Users: General public seeking to purchase fresh products and connect with local farms.
Permissions/Access Levels:

- **Browse Farms and Products:**
  - Search for farms by location, products, or ratings.
  - View product details and farm profiles.
- **Contact Farm Owners:**
  - Directly call farm owners using provided contact details.
- **Leave Ratings and Reviews:**
  - Rate and review farms to share their experiences and assist other consumers.
- **Order Products:**
  - Place orders for farm products (if integrated with a delivery or transaction system).

3. Delivery Personnel (Delivery Boys)

Users: Individuals responsible for delivering farm products to consumers.
Permissions/Access Levels:

- **Receive Delivery Requests:**
  - View delivery details, including pickup and drop-off locations.
- **Track Orders:**

- Access order status and update progress (e.g., "Out for Delivery," "Delivered").
- **Manage Availability:**
  - Mark themselves as available or unavailable for deliveries.

4. Platform Admins

Users: Administrators responsible for overseeing the platform's operations and ensuring compliance.
Permissions/Access Levels:

- **Manage User Accounts:**
  - Add, modify, or deactivate accounts for Farm Owners, Consumers, and Delivery Personnel.
- **Oversee Platform Content:**
  - Approve or remove farm listings, products, events, and reviews.
- **Monitor System Activity:**
  - Track platform usage and generate reports for operational insights.
- **Resolve Issues:**
  - Address complaints, disputes, or violations of platform guidelines.
- **System Maintenance:**
  - Perform updates, backups, and troubleshoot technical issues.

System Ownership:

1. Academic Institution Ownership

- If **Farmfolio** is a project developed as part of a research initiative, thesis, or academic collaboration, the ownership would belong to the academic institution supervising the project.

2. Organizational Ownership

- If the system is developed under the direction of an organization, such as a tech company, agricultural cooperative, or non-profit, the ownership belongs to that entity.

3. Individual Ownership

- If **Farmfolio** is initiated by an individual as a personal venture or startup idea, the system is owned by that individual (or their business entity if incorporated).

Industry/Domain: Agriculture, specifically Farm Management and Agri-Business Platforms

Data Collection Contacts:

Name: Sivadasan Nair
Role : Cow farm owner
Phone : 8086943790

Questionnaire for Data Collection:

1. How frequently do you engage in farm-related transactions or deliveries?

   Daily

2. Do you currently use any digital tools or platforms for these activities?

   No

3. What is the primary purpose of your cow farm?

   Milk production and selling dairy products like cheese, yogurt, and butter.

4 How do you currently ensure the quality and freshness of your dairy products for customers?

   By using cold storage facilities, maintaining strict hygiene during production, and delivering products within a few hours of processing.

5.What challenges do you face in selling your products directly to customers?

Reaching a larger customer base and ensuring timely delivery of fresh products.

6. How do you currently market your farm and products?
Through local word-of-mouth, community markets.

7.Are you interested in hosting farm events, such as farm visits or workshops?

Yes, I would like to host farm tours and workshops to educate people about dairy farming and animal care.

8. How important is it for you to receive customer feedback through ratings and reviews?

Very important. Feedback helps improve product quality and build trust with customers.

9. What delivery methods do you currently use for your products? What delivery methods do you currently use for your products?

Local delivery through our own vehicles and customers picking up products directly from the farm.

10.What features would you find most helpful in a platform like Farmfolio?

Direct customer communication, a simple product catalog system, and an option for delivery scheduling.