The requirements for the Farmfolio platform can be categorized into functional and non-functional requirements based on the information provided in the abstract.

1.Functional Requirements:

User Roles:

Farm Owners:

- Register their farms.

- List available products with details.

- Update product offerings.

- Provide contact information (phone numbers) for direct consumer communication.

- Promote farm-related events (e.g., workshops, farm visits).

Consumers:

- Browse farms and products.

- View farm details (including product listings, contact info).

- Contact farm owners directly via phone.

- Rate and review farms and their products.

- View farm events (e.g., workshops, local markets, etc.).

Admin:

- Manage platform activities (user registrations, farm listings, product updates).

- Monitor and manage farm ratings and reviews.

- Oversee the functioning of the platform, ensuring smooth operations.

- Approve or moderate content as necessary.

Delivery Boys:

- Receive delivery requests.

- Track orders.

- Update the status of deliveries (e.g., "in progress," "delivered").

Core Features:

-Farm Listings: Allow farm owners to add and manage their farm details (location, product types, etc.).

-Product Listings: Farm owners can list products for sale with descriptions and prices.

-Farm Ratings and Reviews: Consumers can rate and leave reviews about the farm and its products.

-Farm Events: Farm owners can post details about upcoming events, such as workshops, market visits, etc.

-Delivery Management: Delivery boys can track orders and update the delivery status.

-Contact Information: Direct phone numbers are provided for quick communication between consumers and farm owners.

2.Non-Functional Requirements:

Technical Requirements:

-Frontend:

- HTML, CSS, JavaScript for building a responsive and user-friendly interface.

- Ensure cross-browser compatibility.

- Mobile responsiveness for easy access on mobile devices.

Backend:

- PHP for handling server-side logic and interactions.

-MySQL for the database to store farm listings, user data, product information, ratings, and reviews.

User Interface:

- Clean, simple, and intuitive design.

- Easy navigation for different users (farm owners, consumers, admin, delivery boys).

- No chat functionality, but clear methods for contact via phone.

Performance Requirements:

-Scalability: The platform should be able to handle an increasing number of users and farm listings.

- Speed: Fast loading times for farm listings, product details, ratings, and reviews.

Security Requirements:

- Authentication: Secure login and registration system for farm owners, consumers, and admins.

- Data Privacy: Ensure sensitive user data (e.g., contact details) is stored securely and is not accessible without proper authorization.

- Data Integrity: Prevent unauthorized modifications of product listings, reviews, and farm details.

Reliability:

- Availability: The platform should have minimal downtime, ensuring continuous access to farm listings and product availability.

- Backup: Regular database backups should be implemented to avoid data loss.

Usability:

- Easy Registration/Onboarding: Users (farm owners, consumers, delivery boys) should easily register and start using the platform.

- Accessibility: The platform should be accessible for users with disabilities (WCAG 2.0 compliant).

Maintenance:

- Error Logging and Monitoring: The platform should include systems for tracking errors and monitoring user activity to quickly address issues.

- Updates: Regular updates should be applied to fix bugs, add new features, and ensure the platform is secure.

3. Hardware and Software Requirements:

- Web Server: A server capable of running PHP and MySQL (e.g., Apache, Nginx).

- Database: MySQL database for storing user and farm information.

- Browser Compatibility: The platform should work on popular browsers like Chrome, Firefox, Safari, and Edge.

- Internet Connection: A stable internet connection for users to access the platform.

4. Optional (Future) Features:

- Payment Integration: Allow consumers to make payments for farm products directly through the platform.

- GPS Integration for Delivery Boys: To help delivery boys navigate more efficiently when delivering products.