BAYERO UNIVERSITY KANO

DEPARTMENT OF SOFTWARE ENGINEERING

**PROJECT PROPOSAL ON THE TOPIC**

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**FARM TECH (WEBSITE THAT LINK LOCAL FARMERS TO BUYERS )**

**LAWAL YAHYA KASIM**

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Topic :

**An app that link local Farmers to Buyers**

FUNCTIONALITIES

**\*For Farmers\*:**

1. \*Farm Management Tools\*:

- Crop Tracking: Farmers can input data about their crops, including planting dates, growth stages, and harvest times.

- Pest and Disease Management: Access information and guidance on identifying and managing crop pests and diseases.

- Weather Forecast: Provide local weather forecasts and alerts to help farmers plan their activities.

- Irrigation Scheduling: Offer recommendations for efficient irrigation based on weather conditions and soil moisture levels.

2. \*Marketplace\*:

- Crop Listing: Farmers can list their produce for sale, including details like quantity, price, and location.

- Pricing Insights: Access market price information to make informed pricing decisions.

- Matchmaking: Connect farmers with potential buyers, including wholesalers, retailers, and individual consumers.

- Secure Transactions: Facilitate secure payment transactions within the app.

3. \*Communication\*:

- Chat/Messaging: Enable farmers to communicate with buyers, negotiate deals, and arrange deliveries.

- Forums/Community: Create a platform for farmers to share knowledge, experiences, and best practices.

4. \*Educational Resources\*:

- Farming Guides: Offer a library of resources, including articles, videos, and tutorials on farming techniques.

- Training Courses: Provide access to online courses and workshops on various agricultural topics.

\*For Buyers\*:

1. \*Product Search and Purchase\*:

- Search Functionality: Buyers can search for specific crops or products based on location and other criteria.

- Product Details: View detailed information about listed crops, including price, quantity, and seller ratings.

- Online Orders: Place orders directly through the app, including secure payment options.

2. \*Market Insights\*:

- Pricing Trends: Access historical and current pricing data to make purchasing decisions.

- Supply Chain Visibility: Track the availability of specific crops in different regions.

3. \*Communication\*:

- Chat/Messaging: Communicate with farmers to discuss product details, delivery options, and negotiations.

- Reviews and Ratings: Provide a platform for buyers to rate and review sellers based on their experiences.

4. \*Delivery and Logistics\*:

- Delivery Coordination: Facilitate arrangements for product pickup or delivery.

- Transportation Services: Connect buyers with local transportation services for efficient logistics.

\*General Features\*:

1. \*User Profiles\*:

- User Authentication: Secure user accounts with login and authentication features.

- Personalization: Allow users to create profiles and tailor their experiences.

2. \*Data Security and Privacy\*:

- Implement robust data security measures to protect user data and transactions.

- Comply with data privacy regulations and industry standards.

3. \*Notifications\*:

- Push Notifications: Send timely alerts to users about market updates, weather conditions, and more.

4. \*Offline Functionality\*:

- Provide limited offline functionality for users in areas with poor internet connectivity.

5. \*Feedback and Support\*:

- Feedback Channels: Offer ways for users to provide feedback and report issues.

- Customer Support: Provide customer support for user inquiries and assistance.