



AGRICONNECT

AgriConnect

Addressing Agricultural Challenges in Sri Lanka through ICT

Presented To

ICT4D Presentation

Presented By

Group 03



Our Team



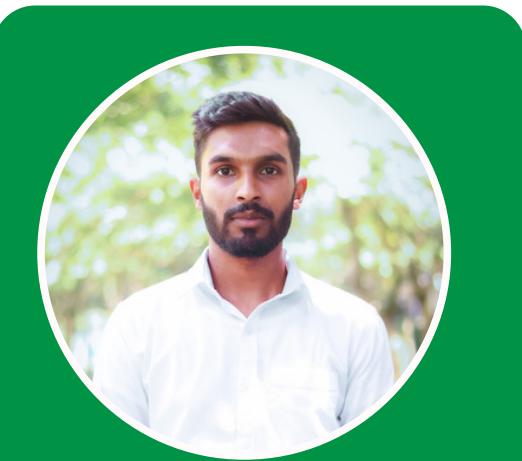
21020116
S.M.W.P.W.
Bandara



21020175
E.W.T.
Dhananji



21020787
R.M.S.D.
Rathnayaka



21020795
R.M.T.P.
Rathnayake



21020949
T.M.K.P.M.
Thennakoon



AGRICONNECT

Problem

01



Problem

Problem Statement

Agriculture is crucial for Sri Lanka's economy, but challenges like limited market access & middlemen who exploit farmers and cause disruptions in crop distribution impact farmers and society.

Impact

These challenges affect farmers' incomes and food security, hindering economic development.

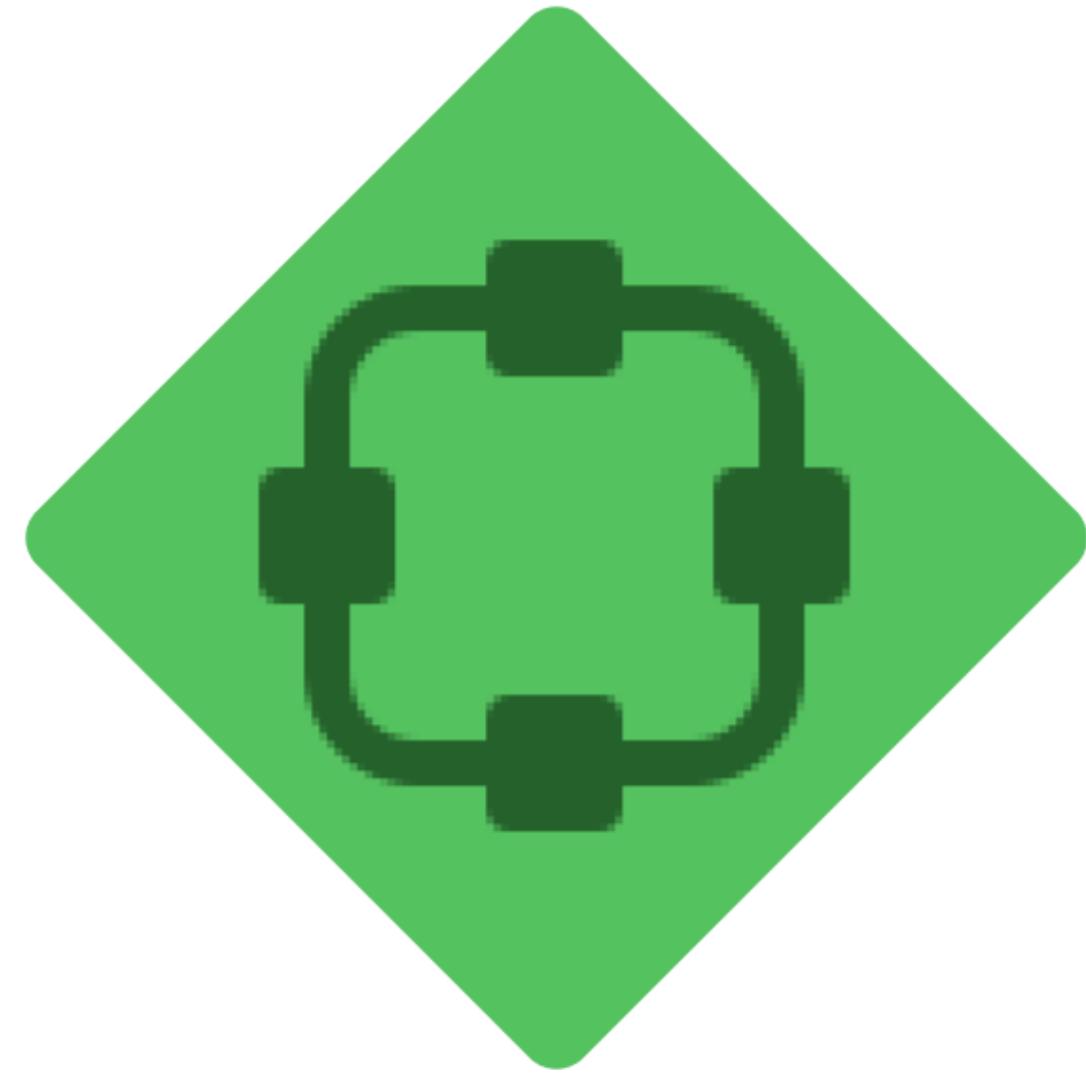


AGRICONNECT

Solution



Solution

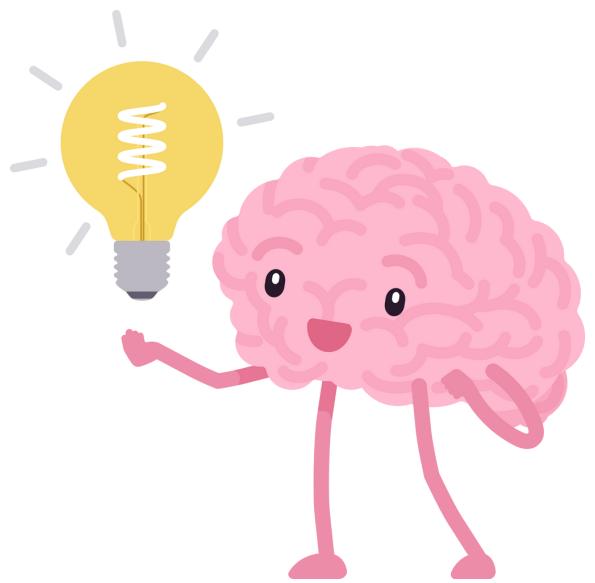


AgriConnect

Solution Cont.

Proposed Solution

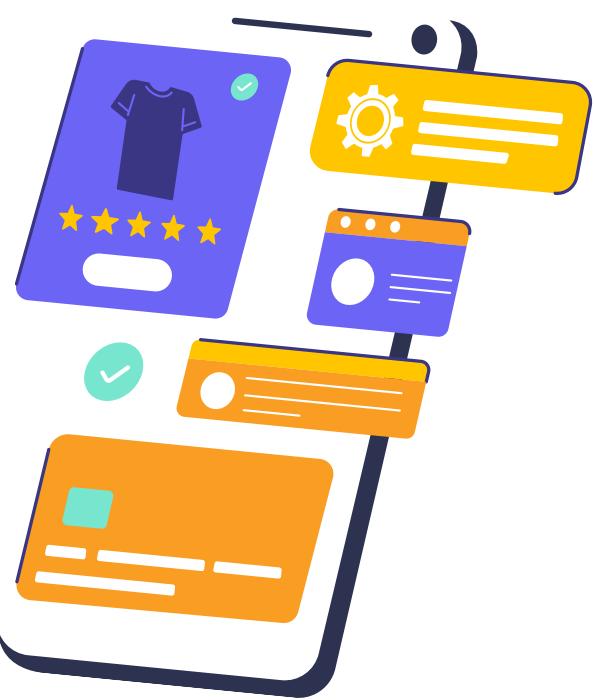
Agriconnect will be developed as a comprehensive platform leveraging ICT to directly connect farmers with consumers, thereby eliminating intermediaries and ensuring fair prices for agricultural products. The platform will integrate various features to address key challenges faced by farmers and promote sustainable development in rural areas.



Solution Cont.

Key Features

- Direct Farmer–Consumer Connection
- Supply Chain Optimization
- Financial Inclusion and Enhanced Farmer Income
- Empowerment and Capacity Building
- Market Diversification and Access to Alternative Markets



Solution Cont.

Benefits

- Streamlined Supply Chains
- Empowerment of Farmers
- Market Diversification and Income Enhancement
- Societal Well-being
- Financial Inclusion and Capacity Building





AGRICONNECT

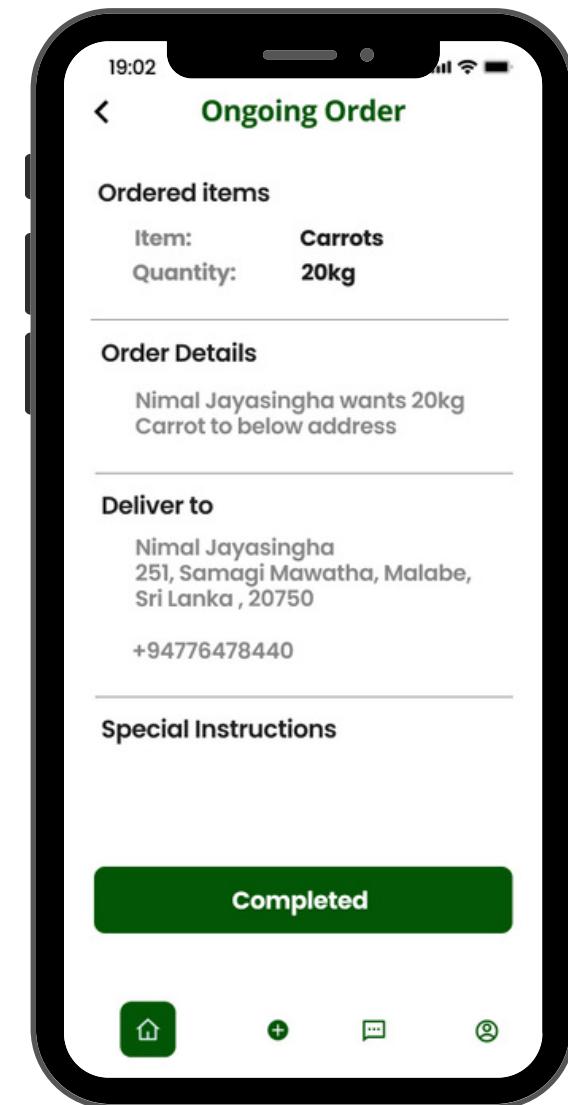
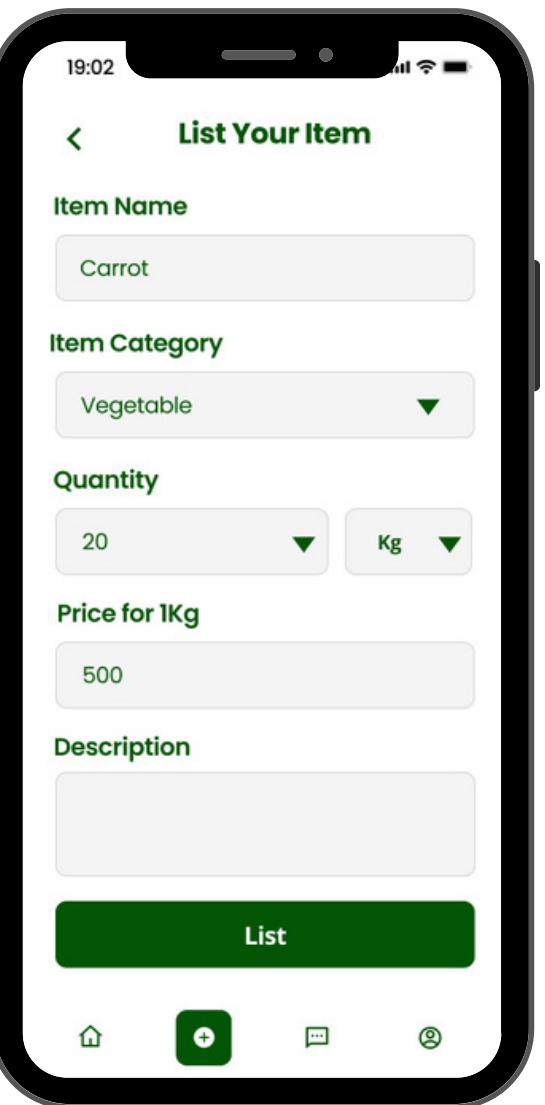
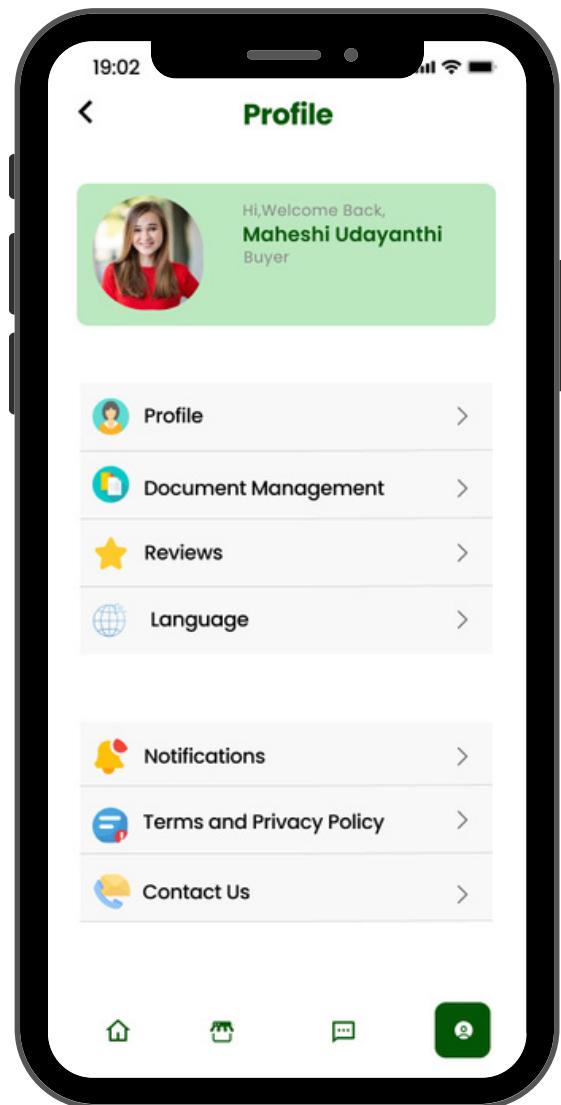
Prototype



Prototype cont.



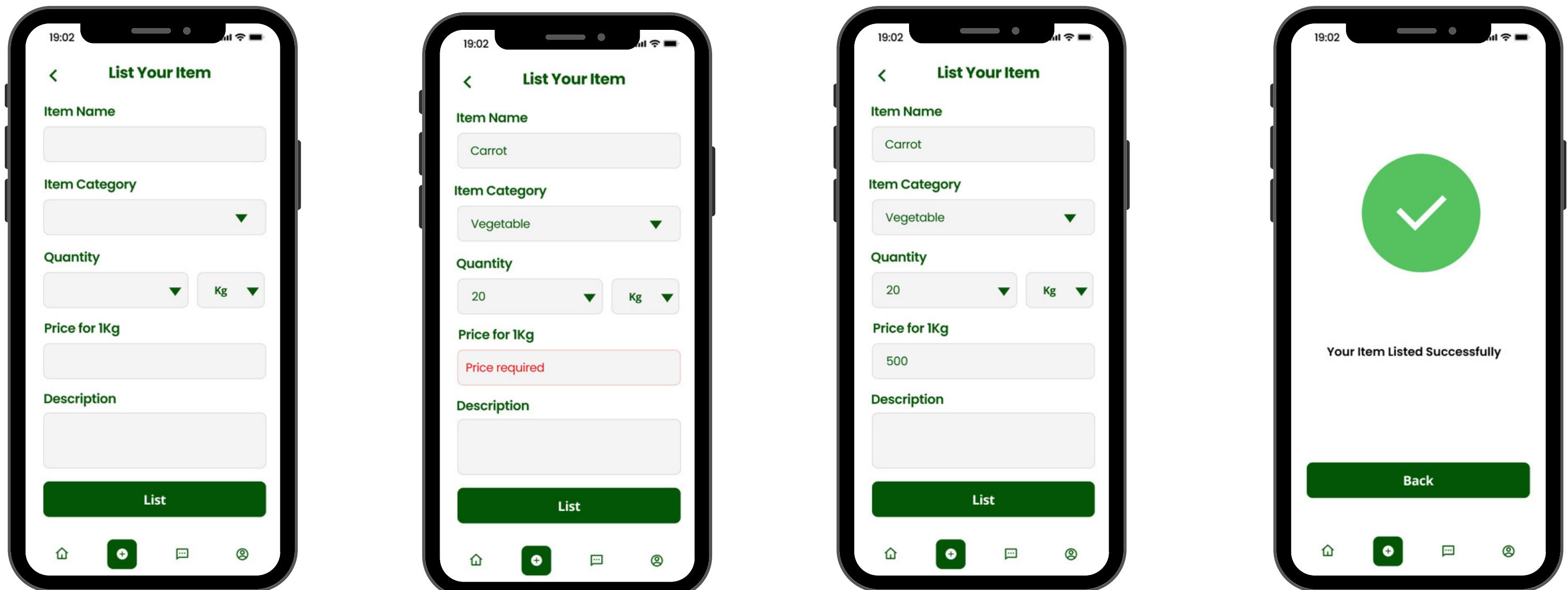
1. User-friendly interface for easy accessibility cont.



Prototype cont.



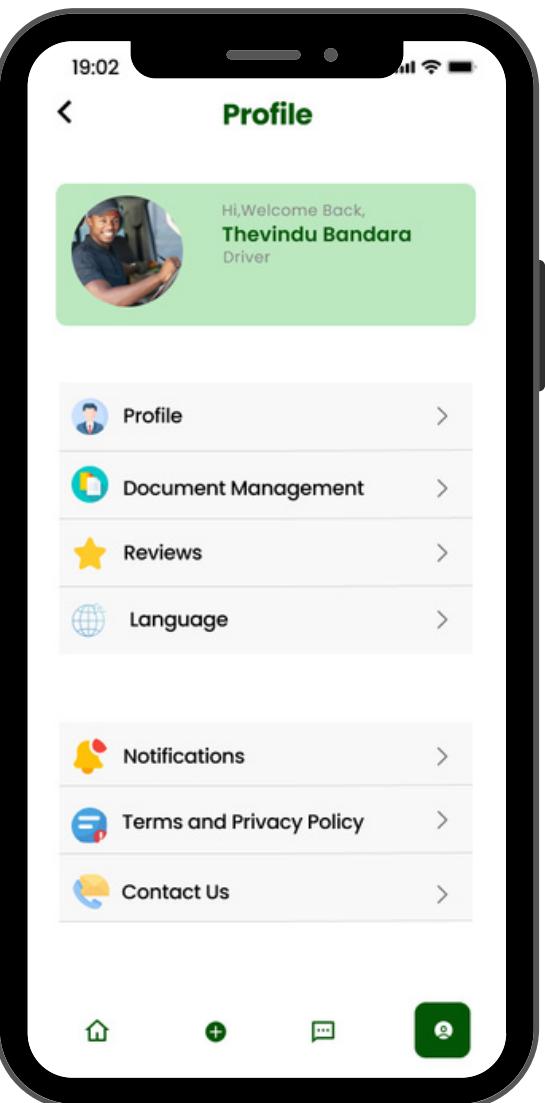
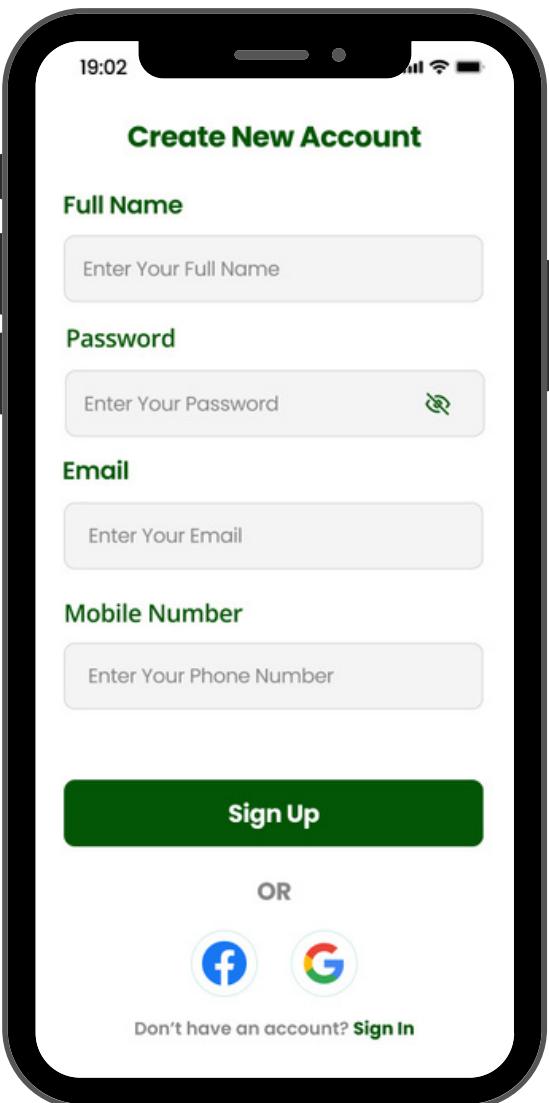
2. Clear usability information.



Prototype cont.



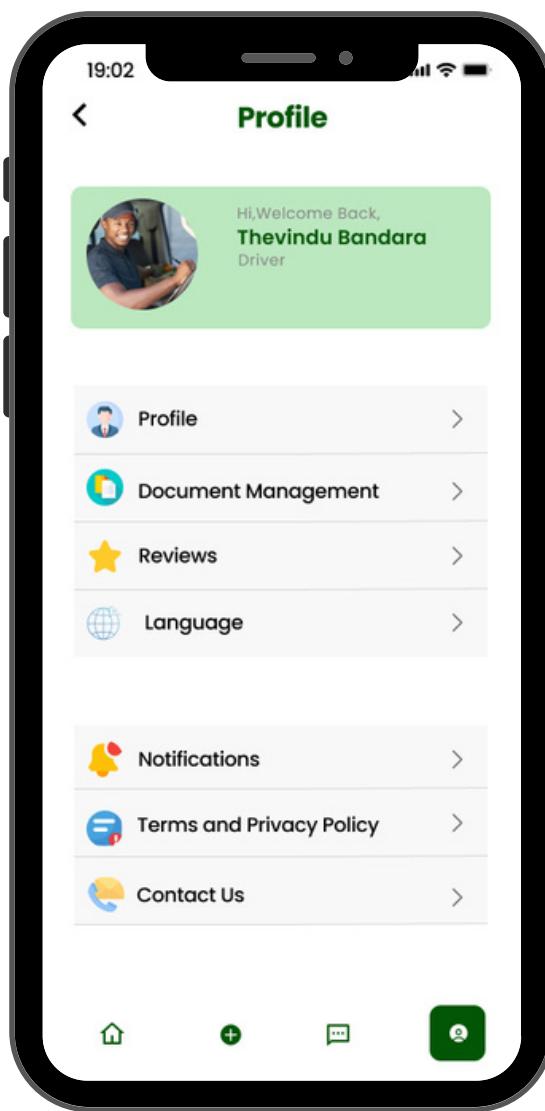
3. Security features to protect sensitive data



Prototype cont.



4. Use of all three languages.



Prototype cont.



5. The administrator ensures the smooth functioning and security of the system.

The image displays two side-by-side screenshots of the AGRICONNECT prototype application, showing the 'Settings' screen on the left and the 'Dashboard' screen on the right.

Settings Screen (Left):

- Header:** 'Settings' with the AGRICONNECT logo.
- User Profile:** 'Wikum Preethika' (Admin), profile picture, contact number '070-1174567', location 'Kurunegala', email 'wikumad@gmail.com'.
- Reports Last Updated:** '2024.04.07'.
- Password:** 'Current Password' (redacted).
- Profile Deletion:** 'Delete' button.
- Buttons:** 'Edit' (green), 'Log Out' (green).

Dashboard Screen (Right):

- Header:** 'Dashboard' with the AGRICONNECT logo.
- Statistics:** 'Total Customers: 500', 'Total Sellers: 100', 'Total Income: 10 000 LKR'.
- Seller Data:** Table with columns 'Seller Name', 'Location', 'Telephone Number', 'Action'. Rows include Wikum Preethika (Kurunegala, 0714589657), Kaveesha Hettige (Galle, 0714589657), Dilanga (Badulla, 0714589657).
- Buyer Data:** Table with columns 'Buyer Name', 'Location', 'Telephone Number', 'Action'. Rows include Wikum Preethika (Kurunegala, 0714589657), Kaveesha Hettige (Galle, 0714589657), Dilanga (Badulla, 0714589657).
- User Profile:** 'Wikum Preethika' (Admin), profile picture, contact number '070-1174567', email 'wikumad@gmail.com'.
- Buttons:** 'Edit' (green), 'Log Out' (green).



AGRICONNECT

Demonstration





Impacts of the Proposed Solution



Impacts of the Proposed Solution

- Enhanced farmer income
- Empowerment of small scale farmers
- Market diversification and opportunity accessing alternative markets





AGRICONNECT

Sustainability



Sustainability

- Support farmers in Srilanka by providing access to a wider market
- Eradicating hunger through sustainable agriculture
- Enhances the economic sustainability of farmers by providing them with access to a wider market and fairer prices for their produce





Problems Related to Real World Deployment



Problems Related to Real World Deployment

- Infrastructure and Resource Limitations
- Digital Literacy Barriers
- Trust and Reliability Concerns
- Resistance from Middlemen and Intermediaries





Solutions to Overcome the Difficulties



Solutions to Overcome the Difficulties

- Establishing support networks and regional service centers
- Implementing a customer support system that provides assistance
- Collaborate with farmer cooperatives, and government agencies to endorse and promote the credibility





Thank You



AGRICONNECT



AGRICONNECT

Appendix



Figma Links

- [https://www.figma.com/file/evqZaMuWCgaTdLGbhLHv2c/ICT4D?
type=design&node-id=0%3A1&mode=design&t=cYV8mIi2T8x7Mpk-1](https://www.figma.com/file/evqZaMuWCgaTdLGbhLHv2c/ICT4D?type=design&node-id=0%3A1&mode=design&t=cYV8mIi2T8x7Mpk-1)

- [https://www.figma.com/file/SBVeNIP7xSWrMxSzL7Vpth/ICT4D-Admin?
type=design&node-id=1%3A4&mode=design&t=0bFeJlwDOHUgnn2H-1](https://www.figma.com/file/SBVeNIP7xSWrMxSzL7Vpth/ICT4D-Admin?type=design&node-id=1%3A4&mode=design&t=0bFeJlwDOHUgnn2H-1)

