

People :

Farmers
Customers
Admins
Delivery personnel
AI/ML developers
Government agriculture officers

Activities :

Register/Login (email/Google)
List agricultural products
Search/filter products
Add to cart
Order and payment via PayPal
AI chatbot query solving
Check crop/fertilizer/soil prediction
View weather/news updates
Track order status

Locations :

Farms
Rural villages
Urban homes
Agricultural markets
Storage warehouses
Delivery points
Agritech centers
Field offices

Tools :

Mobile phone
Laptop/PC
Internet connection
Payment gateway (PayPal)
Weather/news API
ML prediction model (.pkl file)
Chatbot (Gemini model)
Redis cache
Database (MongoDB)