

# Agile Project Management Record

**Team:** Soft Touch Project | **Project:** SmartAgro | **Timeline:** Nov 27 – Dec 18, 2025

## Team Roles

- **Sam:** Scrum Master, Backend
- **Muhammed:** Product Owner, Backend
- **Nicole:** Frontend
- **Michael:** Design, FrontEnd

## Sprint 1: Inception & Core Architecture (Sprint 0)

- **Duration:** 27 Nov – 3 Dec
- **Sprint Goal:** - Define the problem, set up project infrastructure, and validate the concept.
- **Completed Tasks:**
  - Task - Draft Problem Statement & User Personas (Muhammed)
  - Task - **Project Setup:** Initialize Trello Board & GitHub Repository (Michael)
  - Task - **Design:** Convert Low-Fidelity Wireframes to basic HTML/CSS Structure (Michael)
  - Task - **Code:** Design & Implement Initial MongoDB Schema for Logs (Muhammed)
  - Task - Research Tech Stack (FastAPI/React) & Database Selection (Sam/Nicole)
  - Task - Submit Milestone 1: Full Project Proposal (Team)
- **Retrospective:**
  - *Observation:* "Setting up the Trello board early helped us visualize the deadline pressure immediately."

## Sprint 2: The Marketplace Core (Backend Heavy)

- **Duration:** 4 Dec – 10 Dec
- **Sprint Goal:** - Build the "Happy Path" for Farmers (Auth -> List Product -> Order).
- **Completed Tasks:**
  - Task - Implement JWT Authentication & RBAC (Sam)
  - Task - Develop Product Catalog API with Image Uploads (Sam)
  - Task - **Code:** Implement `mNotify` SMS Integration Service (Muhammed)
  - Task - **Frontend:** Build PWA App Shell & Navigation (Nicole)
  - Task - **Frontend:** Implement Responsive "Product Card" & Grid Layouts (Michael)
  - Task - Milestone 2: Architecture & UX Demo Checkpoint (Team)
- **Retrospective:**
  - *Observation:* "Backend is moving faster than Frontend. Michael will assist Nicole with UI styling to catch up."

### Sprint 3: The "Crunch" (Integration & Complexity)

- **Duration:** 11 Dec – 18 Dec
- **Sprint Goal:** - Integrate Escrow Payments, AI Agent, and finalize the PWA for submission.
- **Completed Tasks:**
  - Task - **Escrow Logic:** Integrate Paystack API for Split Payments & Refunds (Sam)
  - Task - **AI Integration:** Connect Google Gemini API for Multimodal Advice (Sam)
  - Task - **Code:** Write Search & Filter Logic (Filtering by Region/Crop) (Muhammed)
  - Task - **Frontend:** Build "Dual-Mode" State Management (Redux/Context) (Nicole)
  - Task - **Frontend:** Style the "Admin Dashboard" & Dispute Resolution Screens (Michael)
  - Task - **QA:** Fix "Cors Error" blocking Frontend/Backend communication (Michael)
  - Task - Write ACM Research Paper & Final Documentation (Muhammed)
- **Retrospective:**
  - *Observation:* "We underestimated the difficulty of the Escrow logic, but the team swarmed the issue on Dec 16 to finish on time."