

Sprint	Dates	Development Phase	Summary of Work
Sprint 1	Jan 12 – Jan 25	Initialization & Planning	Team formation, project definition, backlog creation, architecture planning, environment setup
Sprint 2	Jan 26 – Feb 7	Core Setup & Early Development	Backend API structure, authentication setup, frontend foundation, system connectivity
Sprint 3	Feb 8 – Mar 1	Feature Development	Inventory system, order functionality, role-based dashboards, database refinement
Sprint 4	Mar 2 – Mar 15	Integration & System Cohesion	Frontend-backend integration, UI improvements, API refinement, documentation development
Sprint 5	Mar 16 – Mar 28	Stability & System Maturity	System reliability, feature completion, integration strengthening, internal testing
Sprint 6	Mar 29 – Apr 12	Final Development & Stabilization	Bug fixes, full system testing, performance improvements, demo preparation
Sprint 7	Apr 13 – Apr 24	Delivery & Presentation	Documentation completion, poster and videos, demo practice, final deliverable preparation

Sprint 1 (Jan 12 – Jan 25)

Phase: Project Initialization & Planning

- Formed the project team and assigned roles
- Defined the project scope, objectives, and system requirements
- Created the initial product backlog and sprint plan
- Set up the development environment (Node.js, React, Supabase)
- Designed the initial system architecture and database schema

This phase established the foundation for the project.

Sprint 2 (Jan 26 – Feb 7)

Phase: Core System Setup & Early Development

- Finalized project title, scope, and description
- Implemented backend API structure using Node.js and Express
- Integrated authentication using Supabase and JWT
- Developed initial frontend structure using React and routing
- Established communication between frontend and backend systems

This sprint focused on building the core system infrastructure required for further development.

Sprint 3 (Feb 8 – Mar 1)

Phase: Feature Development & Functional Expansion

- Developed inventory management functionality
- Implemented order creation and tracking features
- Built role-based dashboards for different user types
- Improved database relationships and query handling
- Delivered functional components demonstrating system capabilities

This phase emphasized delivering working features and measurable progress in the system.

Sprint 4 (Mar 2 – Mar 15)

Phase: Integration & System Cohesion

- Integrated frontend workflows with backend APIs
- Improved UI/UX design and interaction flows
- Refined API endpoints and data processing
- Resolved integration issues between system components

- Continued development of system documentation

This sprint focused on ensuring that individual components worked together as a cohesive system.

Sprint 5 (Mar 16 – Mar 28)

Phase: Stability, Refinement & System Maturity

- Completed core feature functionality end-to-end
- Improved system reliability and error handling
- Implemented inventory alerts and feedback mechanisms
- Conducted workflow validation and internal testing
- Strengthened integration across system modules

The system transitioned from development to a more stable and refined product.

Sprint 6 (Mar 29 – Apr 12)

Phase: Final Development & System Stabilization

- Completed all remaining core functionality
- Fixed bugs and addressed edge cases
- Performed full end-to-end testing
- Ensured system stability and consistent performance
- Prepared structured demo scenarios for presentation

This phase ensured the system was fully functional, reliable, and ready for demonstration.

Sprint 7 (Apr 13 – Apr 24)

Phase: Delivery, Presentation & Finalization

- Finalized project documentation and technical report
- Designed and completed the project poster
- Recorded introduction and system demonstration videos
- Practiced demonstration workflow and assigned presentation roles
- Organized and prepared the final deliverable package

This sprint focused on professional delivery, presentation readiness, and completion of all required materials.

Total Scrum Meetings

Total Scrum Meetings Conducted: 70