# **Phase 10: Final Presentation & Demo Day ✅**

**Project:** Supply Chain Traceability & Inventory Management System

**Goal:** Prepare a comprehensive demonstration of the fully functional system and provide all necessary documentation for official project handover.

### **1. Demo Walkthrough Script**

The presentation focused on validating the core requirements: **Automation, Traceability, and Actionable Data.**

| **Step** | **Scenario Demonstrated** | **Component / Code Fired** | **Key Outcome** |
| --- | --- | --- | --- |
| **1. Inbound API** | External system creates a Shipment record. | ShipmentService Apex REST Class (@HttpPost) | Confirms external integration is active and secure. |
| **2. Inventory Update** | Shipment record is created/updated. | **Apex Trigger** (ShipmentInventoryTrigger) | Confirms real-time, accurate decrement of Lot\_\_c.Current\_Inventory\_\_c. |
| **3. Proactive Alerting** | System Check. | **Scheduled Apex** (InventoryReorderScheduler) | Verifies that low-stock email alerts are sent nightly. |
| **4. Traceability** | User scans a product barcode. | **Traceability Scanner LWC** calls LotBarcodeController | Displays the complete, verifiable product history (Lot Origin -> Shipments -> Final Location). |
| **5. Monitoring** | Manager views Home Page. | **Inventory Dashboard LWC** | Provides instant visualization of stock alerts and key metrics. |

### **2. Handoff Documentation Provided**

Comprehensive documentation was provided to the business stakeholders for future maintenance and training.

| **Document** | **Content** | **Audience** |
| --- | --- | --- |
| **Data Model Guide** | Detailed ERD, API names, and definitions for all custom objects and fields. | Developers, Architects |
| **Apex Code Documentation** | Explanation of the purpose, logic, and 100% coverage validation for all Apex classes and triggers. | Developers, Maintenance Team |
| **User Quick Guide** | Step-by-step instructions (with screenshots) on how to use the Traceability Scanner LWC and interpret the Inventory Dashboard. | End Users, Training Staff |

### **Final Presentation Visual**

The final slide summarizing the project's success metrics and deployment completion.

**DEMO VIDEO LINK:-** [**Supply Chain Project**](https://docs.google.com/videos/d/1vCcjf2rXqJBDVNk1oQuM7_KufNrFWJ10q7pRuVp5qwA/edit?usp=sharing)