

## Problem Statement: Inventory & Order Tracking Dashboard

In many small and medium businesses, managing products and tracking customer orders is still done manually using spreadsheets or paper-based methods.

This causes several issues such as:

Difficulty in keeping product stock updated in real time.

- Errors in order processing when stock is insufficient.
- Lack of a single place to view all products, orders, and their statuses.
- Delay in decision-making due to no quick reports or dashboards.

Problem: There is no simple, centralized system to manage inventory (products and stock) and track orders efficiently within the Salesforce platform for learning and demonstration purposes.

Objective: The objective of this project is to build a custom Salesforce application that allows:

1. Creating and managing products with stock quantity, price, and codes.
2. Creating and managing customer orders with related order items.
3. Automatic stock adjustments when orders are placed.
4. A simple Lightning Dashboard page to view products, stock alerts, and orders.

Expected Outcome: A working Salesforce-based Inventory & Order Tracking Dashboard that:

- Stores products, orders, and order items as custom objects.
- Provides real-time updates to stock quantity.
- Displays data in a Lightning App Page with reusable Lightning Web Components (LWCs).
- Helps users (owners, staff, sales team) to quickly understand stock and order status.

This project aims to demonstrate the use of Salesforce declarative configuration and programmatic features (Apex, LWCs) to solve a real-world business problem in a simplified way.