

**Project Name:** Medical Inventory Management

## Solution Architecture

The Medical Inventory Management System architecture is designed to ensure efficient data flow between users, suppliers, and inventory databases within Salesforce. It integrates declarative tools and automation features for seamless process management.

### Architecture Components:

Component	Description
User Interface	Lightning App for user interaction and navigation.
Database (Objects)	Custom Salesforce objects for Product, Supplier, Purchase Order, etc.
Automation Layer	Flows, Triggers, and Validation Rules for business logic.
Reporting Layer	Reports and Dashboards for analytics and monitoring.
Security Layer	Profiles, Roles, and Permission Sets for controlled access.

### Data Flow Summary:

Users enter or update purchase and product data through the Lightning App. The system automatically validates and updates records via triggers and flows. Reports and dashboards display real-time insights for decision-making.

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