

Project Design Phase-II

Solution Architecture

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Team ID	LTVIP2025TMID31339
Project Name	CRM Application for Jewel Management - (Developer)

Solution Architecture:

The Jewelry Management System (JMS) is a cloud-based application built on the Salesforce platform to streamline the inventory, sales, and customer relationship management processes for jewelry businesses. The architecture is designed to be scalable, secure, and maintainable while leveraging Salesforce's robust CRM capabilities, customizable objects, and automation tools.

Goals of the Solution Architecture:

- Optimize Inventory & Sales Management: Centralize control over jewelry items (categorized by type, metal, stone, etc.), purchase and sales records, and customer transactions.
- Bridge Business & Technology: Offer a visual and modular representation of how business requirements like cataloging, tracking, and billing are translated into Salesforce entities.
- Define Functional Modules: Layout the core solution components—Custom Objects (e.g., Jewelry Item, Sales Order), Process Automations, Reports, Dashboards, etc.
- Ensure Future Scalability: Architect the system to accommodate enhancements like barcode scanning, AI-based customer recommendations, or integration with external eCommerce platforms.

Solution Architecture Diagram:

Below is a conceptual architecture diagram tailored to the Jewelry Management System :

