

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	01 NOV 2025
Team Id	NM2025TMID04501
Project Name	CRM Application for Jewel Management - (Developer)
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed Jewel Inventory System.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Jewellery Item Management	Add new jewellery items (name, type, purity, weight, price). Update or delete existing item details.
FR-2	Inventory Tracking	Track stock levels of each jewellery item. Automatically reduce stock after each sale.
FR-3	Sales Management	Process customer sales and generate digital invoices. Maintain transaction history for every sale.
FR-4	User Roles & Access Control	Admin can manage system settings and users. Sales Executive can access only sales and inventory modules.
FR-5	Customer Management	Store customer details and purchase history. Retrieve previous orders for returning customers.
FR-6	Reporting & Dashboard	Generate reports on stock status and sales performance. Display graphical dashboards for insights.
FR-7	Alerts & Notifications	Send low-stock alerts to admin. Send invoice and order confirmation emails to customers.

Non-functional Requirements:

Following are the non-functional requirements of the proposed Jewel Inventory System.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly and easy to navigate for both admin and sales executives.
NFR-2	Security	Only authorized users should be able to access sensitive modules like inventory updates and sales records.
NFR-3	Reliability	The system must accurately update stock and sales data without inconsistencies.
NFR-4	Performance	All operations (sales, stock update, reporting) should be completed quickly with minimal delay.
NFR-5	Availability	The system should remain available during business hours with minimal downtime.
NFR-6	Scalability	The system should handle increased numbers of products, users, and transactions as the business grows.
NFR-7	Maintainability	System updates and enhancements should be easily deployed without affecting ongoing operations.