PROJECT DESIGN PHASE-II
DataFlow Diagram&UserStories

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Data Flow Diagram & User Stories for Jewellery Management CRM Data

Flow Diagram :

A Data Flow Diagram (DFD) visually represents how data moves through a system, showing its inputs, outputs, processes, and data stores. It's crucial for understanding the logic of a system without delving into technical implementation details.

User Stories :

User Stories, on the other hand, describe a feature from the perspective of an end-user, articulating who wants what and why. They follow a simple structure: "As a [type of user], I want [some goal] so that [some reason]." Together, DFDs and User Stories provide a comprehensive understanding of the system's functionality and how users will interact with it.

Jewellery Management CRM: Data Flow Diagram (DFD)

Context (Level 0) DFD: At Level 0, we see the entire Jewellery CRM as a single process interacting with external entities.

Level 1 DFD: Core Processes This DFD will break down the main processes within the Jewellery CRM.

External Entities:

Customer: Individuals who purchase jewellery or use services.

Sales Associate: Front-line staff who interact with customers and manage sales.

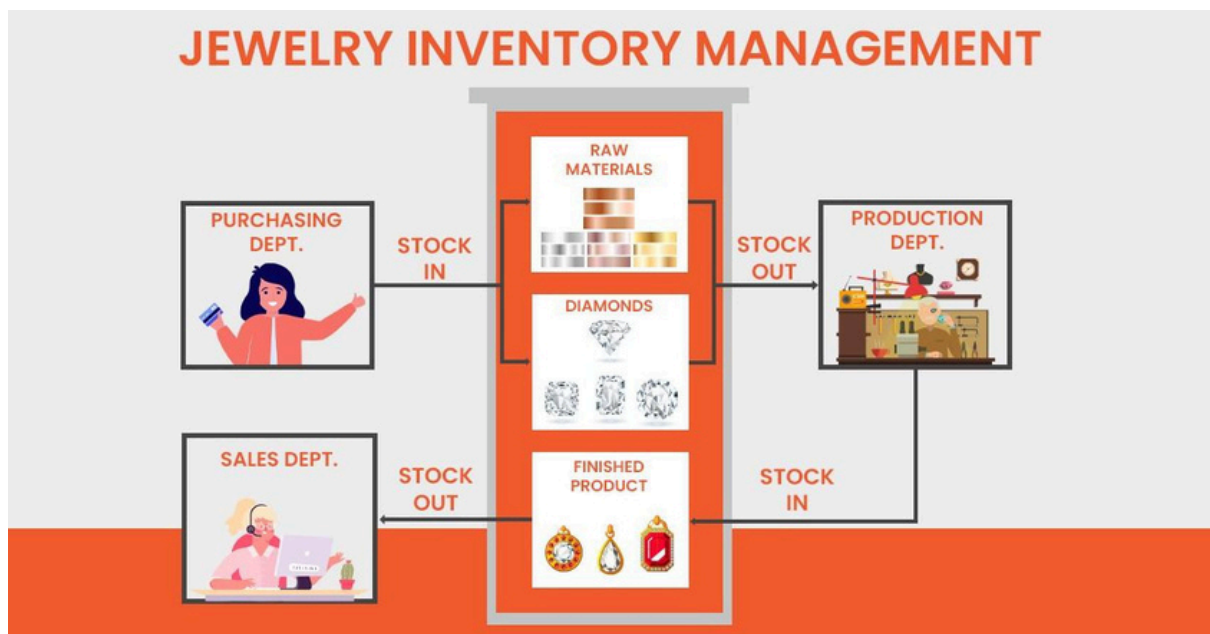Store Manager: Oversees store operations, inventory, and staff.

Marketing Department: Handles promotions and customer engagement.

Goldsmith/Repair Shop: Performs repairs and custom work.

Inventory Management System	A module to maintain jewellery stock, track sold and available items, and autoupdate inventory levels.	High	Improved accuracy and reduced stock shortages.
Automated Billing System	Generates digital invoices instantly after each transaction with integrated tax and discount options.	High	Speeds up billing and ensures accurate financial tracking.
Customer Relationship Module	Stores customer data, purchase history, and preferences to personalize offers and services.	High	Builds loyalty and improves customer satisfaction.
Sales & Analytics Dashboard	Provides visual analytics for revenue, topselling items, and monthly performance reports.	Medium	Enhances decision-making and business strategy.
Supplier Management System	Tracks supplier details, purchase orders, and restock timelines for better coordination.	Medium	Improves procurement efficiency.

Automated Notification System	Sends alerts for order readiness, payment reminders, and promotional offers via email/SMS.	Medium	Boosts communication and repeat sales.
Security and Access Control	Implements rolebased access for staff to prevent unauthorized data handling.	High	Ensures data security and accountability.
Feedback and Rating System	Collects customer feedback postpurchase to monitor service quality and satisfaction.	Medium	Supports continuous improvement.

Template

Reference :

https://developer.salesforce.com/signup