Phase 3: Project Design Phase

Validation & Planning

Field	Details
Date	9 November 2025
Team ID	NM2025TMID02588
Project Name	Medical Inventory Management System
Maximum Marks	4 Marks

Validation & Planning

This step involves formalizing the design and setting the stage for the Build phase.

- Gap Analysis & Customization Decision: A formal review comparing the business requirements against the proposed technical design. Any remaining gaps are identified, and a final decision is made on whether to use custom development or accept a process change.
- System Landscape Definition: Specifying the number and purpose of Salesforce sandboxes (Dev, UAT, Staging) required for the project's Build and Testing phases.
- Data Migration Plan (High-Level): Defining the strategy for migrating legacy inventory data (product masters, current stock levels, historical usage) into the new Salesforce objects. This includes data cleansing requirements and identifying the migration tools.
- Technical Design Review & Sign-off: The complete design document is formally reviewed by the executive sponsor, IT leadership, and compliance officers. Sign-off is mandatory to lock the design and prevent scope creep during the Build phase.

Design Phase

- Solution Design Document (SDD): The master document containing the full technical and functional blueprint.
- Future State Process Flow Diagrams: Visual representation of all new inventory workflows (BPMN format preferred).
- Data Model Diagram (ERD): Detailed layout of all Custom and Standard Objects, fields, and relationships.

- Integration Specification: Detailed mapping of data fields between Salesforce and all integrated systems (e.g., ERP).
- Security Matrix: A table mapping User Roles/Profiles to specific data access levels (e.g., Read/Edit/Delete on the Product Item object).
- Customization/Configuration Log: A list detailing all planned custom development (Apex, LWC) vs. declarative configuration (Flows, Custom Fields).
- Data Migration Plan: Step-by-step approach for extracting, transforming, and loading (ETL) legacy data.