

Project Planning Phase

Project Planning Template

Date	01.11.2025
Team ID	NM2025TMID04299
Project Name	Medical Inventory Management
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story No.	User Story / Task	Story Points	Priority	Team Member
Sprint-1	Product & Supplier Management	USN-1	As an admin, I can create and manage Product and Supplier objects with all fields and tabs.	4	High	John PurchaseM
Sprint-1	Lightning App Setup	USN-2	As a user, I can create the Medical Inventory Management Lightning App.	2	Medium	John PurchaseM
Sprint-2	Purchase Order Automation	USN-3	As an admin, I can link suppliers and products to Purchase Orders with formula and lookup fields.	4	High	Inventory Manager
Sprint-2	Validation Rules	USN-4	As a QA, I can ensure proper date validation	2	Medium	QA Tester

			(Expected Delivery \leq 7 days).			
Sprint-3	Flows and Triggers	USN-5	As a developer, I can automate Actual Delivery Date and Total Cost calculations.	4	High	Developer Team
Sprint-3	Page Layouts and Compact Layouts	USN-6	As a user, I can customize record layouts for better readability.	3	Medium	Admin Team
Sprint-4	Reports & Dashboards	USN-7	As a user, I can create reports and dashboards to visualize orders and supplier data.	4	High	Analyst
Sprint-4	Profiles, Roles & Permission Sets	USN-8	As an admin, I can manage user access using profiles and roles.	3	Medium	System Admin

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	10	5 Days	06 Oct 2025	11 Oct 2025	10	11 Oct 2025
Sprint-2	10	5 Days	12 Oct 2025	17 Oct 2025	10	17 Oct 2025
Sprint-3	10	6 Days	18 Oct 2025	24 Oct 2025	9	24 Oct 2025
Sprint-4	10	6 Days	25 Oct 2025	31 Oct 2025	10	31 Oct 2025

Velocity Calculation

Average Velocity=TotalStoryPointsCompletedTotalDuration\text{Average Velocity} = \frac{\text{Total Story Points Completed}}{\text{Total Duration}}

Average Velocity=TotalDurationTotalStoryPointsCompleted

$$= (39 \text{ Story Points}) / (22 \text{ Days}) = 1.77 \text{ Story Points/Day}$$

Burndown Chart Summary

- **Sprint 1–2:** 100% completed on schedule (object creation, tab setup).
- **Sprint 3:** Slight delay due to testing of automation (flow & trigger).
- **Sprint 4:** Completed as planned with dashboards and access controls.
- The burndown trend shows a **steady decrease** in pending work, confirming balanced sprint management