Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story Points)

Date	1 November 2025
Team ID	NM2025TMID04457
Project Name	Medical Inventory Management

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Stock Management	USN-1	As an admin, I want to add, edit, and delete medicine details to maintain accurate inventory	3	High	Madhubala
Sprint-1	Supplier Management	USN-2	As a store manager, I want to record supplier details to ensure efficient restocking.	2	High	Monisha
Sprint-2	Expiry & Alerts	USN-3	As a pharmacist, I want the system to send expiry alerts automatically to prevent wastage.	4	High	Anakayar Kanni
Sprint-2	Reorder Automation	USN-4	As a staff user, I want the system to generate reorder requests when stock is low.	3	Medium	Femila

| Sprint-3 | Reporting & Dashboard | USN-5 | As an admin, I want to view reports of medicine usage and expiry trends for better planning. | 3 | Medium | Monisha |
| Sprint-3 | Testing & Documentation | USN-6 | As a developer, I want to test workflows and document all project modules. | 2 | Medium | Madhubala |

Project Tracker, Velocity & Burndown Chart

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	10	6 Days	10 Oct 2025	15 Oct 2025	10	15 Oct 2025
Sprint-2	10	6 Days	16 Oct 2025	21 Oct 2025	9	21 Oct 2025
Sprint-3	8	6 Days	22 Oct 2025	27 Oct 2025	8	27 Oct 2025

Velocity Calculation:

Average Velocity = (Total Story Points Completed) / (Total Duration in Days)

= (27 Story Points / 18 Days) → 1.5 Story Points per Day

Burndown Chart:

The burndown chart tracks daily progress and remaining tasks during each sprint. It shows the decreasing number of story points left over time until sprint completion. The goal is to reach zero story points by the end of each sprint, indicating all tasks are completed successfully.

References:

- https://www.atlassian.com/agile/tutorials/sprints

- https://www.visual-paradigm.com/scrum/scrum-burndown-chart/