GARAGE MANAGEMENT SYSTEM

Project Planning Phase

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

DATE	2.11.2025
TEAM ID	NM2025TMID02770
PROJECT NAME	Garage Management system
MAXIMUM MARKS	5 MARKS

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Customer Management	USN-1	As a receptionist, I can register customers and their vehicles.	3	High	Vijay Bharath K
Sprint-1	Job Card Management	USN-2	As a mechanic, I can create and update job cards for services.	4	High	Mahalingam R
Sprint-2	Inventory Control	USN-3	As a store manager, I can track and update spare part stock levels.	3	High	Sathish G

Sprint		USN		Story Points	Priority	
Sprint-2	Billing and Payment	USN-4	As a cashier, I can generate bills and process payments.	3	Medium	Maran A
Sprint-3	Service Tracking	USN-5	As an admin, I can view ongoing service progress and completion.	4	Medium	Gnanakowsal D
Sprint-3	Notifications	USN-6	As a customer, I can receive SMS/email updates on service status.	3	High	Vijay Bharath K
Sprint-4	Documentation	USN-7	As a developer, I can document system architecture and project phases.	2	Medium	Vijay Bharath K

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	01 OCT 2025	06 OCT 2025	20	06 OCT 2025

Sprint-2	20	6 Days	07 OCT 2025	12 OCT 2025	19	12 OCT 2025
Sprint-3	20	6 Days	13 OCT 2025	18 OCT 2025	20	18 OCT 2025
Sprint-4	20	6 Days	19 OCT 2025	24 OCT 2025	20	24 OCT 2025

Velocity:
Average velocity = (Total Story Points Completed) / (Total Duration in Days)
Total: 79 points over 24 days → Velocity = 3.29 points/day

Burndown Chart:
A burndown chart is a graphical representation of work left to do versus time. It helps track project progress and ensure tasks are completed within the planned sprints.

References

• https://www.visual-paradigm.com/scrum/what-is-agile-software-development/
• https://www.atlassian.com/agile/tutorials/sprints
• https://www.atlassian.com/agile/tutorials/burndown-charts
• https://www.atlassian.com/agile/project-management/estimation