

# Project Planning Phase

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

<b>Date</b>	2 <sup>nd</sup> November 2025
<b>Team ID</b>	NM2025TMID05082
<b>Project Name</b>	Garage Management System
<b>Maximum Marks</b>	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	User Management	USH-1	As an admin, I can create mechanic and customer profiles for the garage system.	2	High	Shahul Hameed S
Sprint-1	Vehicle Management	USH-2	As a customer, I can register my vehicle details to book repair or service appointments.	4	High	Muthusivam P
Sprint-2	Service Booking	USH-3	As a customer, I want to schedule a service or repair appointment with preferred date and mechanic.	3	High	Sudharsan p
Sprint-2	Billing	USH-4	As an admin, I should view service cost and generate digital invoices for completed jobs.	4	High	Vishwa M
Sprint-3	Feedback	USH-5	As a customer, I can give feedback and rate the service for future improvement.	2	Medium	Shahul Hameed S
Sprint-3	Reports & Documentation	USH-6	As an admin, I can generate monthly reports on completed services, revenue, and mechanic performance.	2	Medium	Muthusivam P

## Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as of Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	31 May 2025	05 June 2025	20	05 June 2025
Sprint-2	20	6 Days	06 June 2025	11 June 2025	20	11 June 2025
Sprint-3	20	6 Days	12 June 2025	18 June 2025	19	18 June 2025
Sprint-4	20	6 Days	19 June 2025	25 June 2025	20	25 June 2025

### Velocity

Average velocity = (Total Story Points Completed) ÷ (Total Duration in Days)

Total: 16 points over 9 days → **Velocity = 1.78 points/day**

### Burndown Chart

A burndown chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. Burndown charts can be applied to any project to measure progress over time.

### References

- <https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
- <https://www.atlassian.com/agile/tutorials/burndown-charts>
- <https://www.atlassian.com/agile/project-management>
- <https://www.atlassian.com/agile/tutorials/how-do-scrum-with-jira-software>
- <https://www.atlassian.com/agile/tutorials/velocity>
- <https://www.atlassian.com/agile/tutorials/sprints>
- <https://www.atlassian.com/agile/project-management/estimation>
- <https://www.atlassian.com/agile/tutorials/burndown-charts>