

Project Planning Phase

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

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|----------------------|-------------------------------|
| Date | 2 nd November 2025 |
| Team ID | NM2025TMID02975 |
| 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 | User Management | USH-1 | As an admin, I can create mechanic and customer profiles for the garage system. | 2 | High | R. Hariharan |
| Sprint-1 | Vehicle Management | USH-2 | As a customer, I can register my vehicle details to book repair or service appointments. | 4 | High | T. Thirukkumaran |
| 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 | S. Kavi Bharath |
| Sprint-2 | Billing | USH-4 | As an admin, I should view service cost and generate digital invoices for completed jobs. | 4 | High | S. Jawahar |
| Sprint-3 | Feedback | USH-5 | As a customer, I can give feedback and rate the service for future improvement. | 2 | Medium | S. Jawahar |
| Sprint-3 | Reports & Documentation | USH-6 | As an admin, I can generate monthly reports on completed services, revenue, and mechanic performance. | 2 | Medium | T. Thirukkumaran |

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 | 2 Days | 24 Oct 2025 | 25 Oct 2025 | 20 | 25 Oct 2025 |
| Sprint-2 | 20 | 2 Days | 26 Oct 2025 | 27 Oct 2025 | 20 | 27 Oct 2025 |
| Sprint-3 | 20 | 3 Days | 28 Oct 2025 | 30 Oct 2025 | 19 | 30 Oct 2025 |
| Sprint-4 | 20 | 3 Days | 31 Oct 2025 | 2 Nov 2025 | 20 | 2 Nov 2025 |

Velocity

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

Total: 79 points over 10 days → **Velocity = 7.9 points/day**

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>