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

| Date | 19 February 2026 |
|---|---|
| Team ID | LTVIP2026TMIDS66350 |
| Project Name | Calculating family expenses |
| 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 | Expense Recording Setup | USN-1 | As a family member, I want to record my daily expenses so that they are not forgotten. | 2 | High | Team |
| Sprint-1 | Expense Recording Setup | USN-2 | As a user, I want to enter amount, date, and details for each expense. | 1 | High | Team |
| Sprint-2 | Expense Data Management | USN-3 | As a family member, I want expenses categorized (food, bills, travel) for better tracking. | 2 | High | Team |
| Sprint-2 | Expense Data Management | USN-4 | As a user, I want to edit or delete incorrect expense entries. | 2 | Medium | Team |
| Sprint-3 | Admin & Monitoring | USN-5 | As the head of the family, I want to view total daily and monthly expenses. | 3 | High | Team |
| Sprint-3 | Admin & Monitoring | USN-6 | As the head of the family, I want to track expenses of each family member separately. | 2 | High | Team |
| Sprint-4 | Reporting & Analytics | USN-7 | As a user, I want to generate reports to understand spending | | | |

**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 | 20 | 6 Days | 01 Mar 2026 | 06 Mar 2026 | 20 | 06 Mar 2026 |
| Sprint-2 | 20 | 6 Days | 08 Mar 2026 | 13 Mar 2026 | — | — |
| Sprint-3 | 20 | 6 Days | 15 Mar 2026 | 20 Mar 2026 | — | — |
| Sprint-4 | 20 | 6 Days | 22 Mar 2026 | 27 Mar 2026 | — | — |

✅ **Velocity**

Assume the Family Expense Management project has a 10-day sprint, and the team completes 20 story points in one sprint.

**Velocity = 20 Story Points per Sprint**

👉 This means the team can complete approximately 2 story points per day.

Velocity helps estimate how many features (expense recording, reports, automation, dashboards) can be delivered in future sprints.

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✅ **Burndown Chart (Explanation)**

A Burndown Chart in the Family Expense Management project shows the remaining story points versus time during a sprint.

It helps the team track whether key features such as:

- **Expense entry forms**

- **Automated calculations**

- **Family expense aggregation**

- **Reporting dashboards**

are progressing as planned and will be completed on schedule.

As work is completed each day, the remaining story points decrease until they reach zero at the end of the sprint.