

Calculating family expenses using Servicenow

TEAM ID : NM2025TMID05646

TEAM SIZE :4

TEAM LEADER : Rasika .P

TEAM MEMBER : Ishwaryah J

TEAM MEMBER : Janani shri K

TEAM MEMBER : Shobana S

Project planning phase

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

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Expense Entry	USN-1	As a user, I can add my daily expenses by entering date, category, and amount.	3	High	Janani Shri
Sprint-1	Category Management	USN-2	As a user, I can create, edit, or delete custom expense categories.	2	High	R.S.S. Manoj
Sprint-2	Budget Tracking	USN-3	As a user, I can set monthly budget limits for each expense category.		High	N. Durga Mahendra
Sprint-2	Notifications	USN-4	As a system, I can send alerts when spending exceeds the set budget.	3	High	O. Sravani

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Analytics Dashboard	USN-5	As a user, I can view expense statistics through 4 dashboards and graphs.	4	Medium	N. Gowtham
Sprint-3	Reporting	USN-6	As a user, I can generate and download monthly expense reports in PDF format.	3	Medium	Janani Shri
Sprint-4	Family Access Control	USN-7	As an admin, I can add or manage multiple family members' expense accounts.	4	High	R.S.S. Manoj
Sprint-4	Testing & Documentation	USN-8	As a tester, I can verify workflows and document the project for submission.	3	Medium	N. Durga Mahendra

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	10	6 Days	01 June 2025	06 June 2025	10	06 June 2025
Sprint-2	12	6 Days	07 June 2025	12 June 2025	12	12 June 2025
Sprint-3	11	6 Days	13 June 2025	18 June 2025	10	18 June 2025
Sprint-4	11	6 Days	19 June 2025	24 June 2025	11	24 June 2025

Velocity Calculation

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

$$= \frac{\text{Total Story Points Completed}}{\text{Total Duration in Days}}$$

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

$$\text{Average Velocity} = \frac{\text{Total Duration in Days}}{\text{Total Story Points Completed}}$$

Average Velocity=43/24≈1.79 Story Points per Day

$$\text{Average Velocity} = \frac{43}{24} \approx 1.79 \text{ Story Points per Day}$$

Interpretation:

The team completes an average of **1.79 story points per day**, indicating steady progress and well-balanced sprint planning.

Burndown Chart Explanation

A **Burndown Chart** visually represents the amount of work remaining (in story points) against the time left in each sprint.

As the sprints progress, the remaining work should decrease steadily, indicating healthy sprint performance.

In this project, consistent story completion across all sprints demonstrates:

- Balanced workload distribution among team members.
- Effective collaboration and communication.
- Continuous delivery of incremental features.
- On-time project completion and adherence to agile practices.