

### Project Planning Phase

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

Date	02 NOVEMBER 2025
Team ID	NM2025TMID08441
Project Name	Calculating Family Expenses Using ServiceNow
Maximum Marks	5 Marks

#### 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	Table Creation	USN-1	As a developer, I created two tables — Family Expenses and Daily Expenses with required fields.	3	High	P Udaya Prakash
Sprint-1	Auto Number Configuration	USN-2	As a developer, I configured Number Maintenance for auto-generation of record numbers.	2	Medium	Ajay M K

Sprint-2	Business Rule Automation	USN-3	As a system, I created a Business Rule that updates Family Expenses automatically whenever a Daily Expense is added.	4	High	Jervin Shalow
Sprint-2	Form Customization	USN-4	As a user, I customized forms to make fields mandatory and readable using Form Design.	2	Medium	Sooraj S S
Sprint-3	Relationship Configuration	USN-5	As a developer, I linked Daily Expenses with Family Expenses using Related Lists for data display.	3	High	P Udaya Prakash
Sprint-3	Testing and Validation	USN-6	As a tester, I verified automatic updates, validations, and related list displays for accuracy.	3	High	Ajay M K
Sprint-4	Documentation	USN-7	As a developer, I documented all design, architecture, and diagrams for submission.	3	Medium	Sooraj S S

### 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	10	6 Days	01 Nov 2025	06 Nov 2025	10	06 Nov 2025
Sprint-2	9	6 Days	07 Nov 2025	12 Nov 2025	9	12 Nov 2025
Sprint-3	9	6 Days	13 Nov 2025	18 Nov 2025	9	18 Nov 2025
Sprint-4	6	6 Days	19 Nov 2025	24 Nov 2025	6	24 Nov 2025

### Velocity

Average Velocity = (Total Story Points Completed) ÷ (Total Duration in Days)  
=  $34 \div 24 = 1.41$  points/day

### Burndown Chart

The Burndown Chart shows the remaining story points over time across sprints.

- Work starts at 34 total points.
- Each sprint shows steady progress, with story points reducing after each completion.
- The final sprint achieves full completion at 0 remaining points by 24 November 2025.

This demonstrates consistent velocity and timely delivery within planned iterations.

## **References**

- <https://www.atlassian.com/agile/tutorials/sprints>
- <https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
- <https://developer.servicenow.com>