

Project Planning Phase

Date	2 November 2025
Team ID	NM2025TMID06655
Project Name	Calculating Family Expenses Using Service Now
Maximum Marks	2 Marks

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

Use the below table to plan sprints, define epics, and allocate story points.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Instance Setup & Configuration	USN-1	As a developer, I can set up a ServiceNow Developer Instance for project creation.	2	High	Jenifa
Sprint-1	Table Creation	USN-2	As a developer, I can create the <i>Family Expenses</i> and <i>Daily Expenses</i> tables to store data.	3	High	Ruthisha
Sprint-2	Form Design & Field Configuration	USN-3	As a developer, I can configure forms and make necessary fields mandatory/read-only for accurate data entry.	3	High	Nishala
Sprint-2	Relationship Establishment	USN-4	As a system admin, I can establish relationships between <i>Family Expenses</i> and <i>Daily Expenses</i> tables.	4	High	Remila Jane
Sprint-3	Business Rule Implementation	USN-5	As a developer, I can create a Business Rule to auto-update <i>Family Expenses</i> when <i>Daily Expenses</i> are added or modified.	4	High	Jenifa

Sprint-3	Data Validation Testing	USN-6	As a tester, I can validate the business rule and ensure real-time updates between tables.	3	Medium	Ruthisha
Sprint-4	Performance Testing & Optimization	USN-7	As a tester, I can test system speed, form response time, and workflow execution.	2	High	Nishala
Sprint-4	Documentation & Final Submission	USN-8	As a developer, I can prepare project documentation, screenshots, and reports for submission.	2	Medium	Remila Jane

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	10	6 Days	01 Nov 2025	06 Nov 2025	10	06 Nov 2025
Sprint-2	10	6 Days	07 Nov 2025	12 Nov 2025	10	12 Nov 2025
Sprint-3	10	6 Days	13 Nov 2025	18 Nov 2025	9	18 Nov 2025
Sprint-4	10	6 Days	19 Nov 2025	24 Nov 2025	10	24 Nov 2025

Velocity Calculation

Average Velocity = (Total Story Points Completed) / (Total Duration in Days)
= (39 Story Points / 24 Days)
Velocity = 1.62 Story Points per Day

Burndown Chart Summary

A Burndown Chart visually tracks project progress against time.

- The chart starts with 40 total story points and reduces daily as tasks are completed.
- By Sprint-4, almost all backlog items are completed, leaving minimal pending work.
- The consistent downward trend reflects steady progress and effective sprint planning

Conclusion

The Project Planning Phase for *Calculating Family Expenses using ServiceNow* ensures an organized Agile workflow. Each sprint focuses on incremental development — from setup and table creation to rule automation and testing. With steady velocity and consistent completion of story points, the project remains on track for successful and timely delivery.