

## Project Planning Phase

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

Date	28 June 2025
Team ID	LTVIP2025TMID29793
Project Name	Calculating Family Expenses using Service Now
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	ServiceNow Setup	USN-1	As a developer, I can set up a Personal Developer Instance to start configuring the solution.	2	High	Member 1
Sprint-1	Update Set Creation	USN-2	As a developer, I can create an update set to track configuration changes.	1	High	Member 1
Sprint-1	Table Creation	USN-3	As a developer, I can create a Family Expenses table with auto-numbering and custom form design.	3	High	Member 1
Sprint-1	Table Creation	USN-4	As a developer, I can create a Daily Expenses table with auto-numbering and custom form design.	3	High	Member 1
Sprint-2	Relationship and Related List	USN-5	As a developer, I can configure relationships so Daily Expenses are linked to Family Expenses.	2	High	Member 2
Sprint-2	Related List Setup	USN-6	As a developer, I can add Daily Expenses as a related list on the Family Expenses form.	1	High	Member 2
Sprint-2	Business Rule	USN-7	As a developer, I can create a business rule for Daily Expenses to automate actions on insert/update.	2	Medium	Member 2

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Budget Alerts	USN-8	As a user, I can receive an alert if expenses exceed the defined family budget.	3	Medium	Member 1
Sprint-3	Reporting	USN-9	As a user, I can generate categorized reports to view spending patterns.	3	Low	Member 2

#### 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	9	3 Day	20 June 2025	22 June 2025	9	20 June 2025
Sprint-2	5	1 Day	23 June 2025	23 June 2025	5	23 June 2025
Sprint-3	6	1 Day	24 June 2025	24 June 2025	6	24 June 2025

#### Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$