

Project Planning Phase

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

Date	22 June 2025
Team ID	LTVIP2025TMID20412
Project Name	Calculating Family Expenses using Service Now
Mentor Name	Dr Shaik Salma Begum
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 3
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 4

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

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	1 Day	19 June 2025	19 June 2025	9	19 June 2025
Sprint-2	5	1 Day	20 June 2025	20 June 2025	5	20 June 2025
Sprint-3	6	1 Day	21 June 2025	21 June 2025	6	21 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)

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