# Project Planning Phase

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

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|---|---|
| Date | 02 November 2025 |
| Team ID | NM2025TMID08531 |
| Project Name | Calculating Family Expenses Using Servic now |
| Maximum Marks | 5 Marks |

**Product Backlog, Sprint Schedule, and Estimation :**

| 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 want to create a *Family Expenses* and *Daily Expenses* table so that users can store and manage financial data efficiently. | 3 | High | **Kaviya V** |
| Sprint-1: Update Set Configuration | USN-2 | As an admin, I want to create a new *Update Set* named "Family Expenses" so that all configurations are version-controlled and ready for deployment. | 2 | High | **Santhiya M** |
| Sprint-2: Relationship Creation | USN-3 | As a developer, I want to create a relationship between *Family Expenses* and *Daily Expenses* | 3 | High | **Santhiya S** |

| | | tables so that data is synchronized automatically. | | | |
|---|---|---|---|---|---|
| Sprint-2: Form Design | USN-4 | As a user, I want a user-friendly and customizable form layout with read-only and mandatory fields to make data entry easier and accurate. | **2** | Medium | **Janani** |
| Sprint-3: Business Rule Automation | USN-5 | As a system developer, I want to create a Business Rule that updates the Family Expenses table whenever a Daily Expense record is inserted or updated. | **4** | **High** | **Kaviya v** |
| Sprint-3: Validation and Testing | USN-6 | As a tester, I want to validate the automation logic, field behavior, and relationships to ensure accurate total calculations and real-time updates. | **3** | Medium | **Janani** |
| Sprint-4: Reporting and Visualization | USN-7 | As a user, I want to view daily and monthly reports with categorized data and charts for | **3** | Medium | **Santhiya S** |

| | | better expense analysis. | | | |
|---|---|---|---|---|---|
| Sprint-4: Documentation & Governance | USN-8 | As an admin, I want to document all configurations, rules, and dependencies for governance and future updates. | 2 | Medium | Santhiya M |

## Project Tracker, Velocity & Burndown Chart :

| Sprint | Total Story Points | Duration | Sprint Start Date | Sprint End Date (Planned) | Story Points Completed (Planned End Date) | Sprint Release Date (Actual) |
|---|---|---|---|---|---|---|
| Sprint-1 | 10 | 2 Days | 24 Oct 2025 | 25 Oct 2025 | 10 | 25 Oct 2025 |
| Sprint-2 | 10 | 2 Days | 26 Oct 2025 | 27 Oct 2025 | 9 | 27 Oct 2025 |
| Sprint-3 | 10 | 2 Days | 28 Oct 2025 | 29 Oct 2025 | 10 | 29 Oct 2025 |
| Sprint-4 | 10 | 2 Days | 30 Oct 2025 | 31  Oct 2025 | 10 | 31 Oct 2025 |

## Velocity

Average Velocity = (Total Story Points Completed) ÷ (Total Duration in Days)
→ Total: **39 points / 8 days = 4.875 points per day**

This velocity indicates consistent team productivity with balanced workload distribution and timely completion of all sprint objectives.

## Burndown Chart

The burndown chart visually represents the remaining work versus time during each sprint. It helps monitor progress, track completion rates, and ensure timely delivery of each sprint milestone. In this project, the burndown chart showed a steady decline in remaining story points, confirming effective planning and execution.

## Sprint Summary

Each sprint in the *Calculating Family Expenses using ServiceNow* project was carefully designed to progressively build and refine the system:

- **Sprint 1:** Setup and configuration of tables and update sets.
- **Sprint 2:** Establish relationships and form design customization.
- **Sprint 3:** Implement automation through Business Rules and perform testing.
- **Sprint 4:** Generate reports, validate final results, and document for governance.

Through this structured sprint-based development, the project achieved efficient automation, clear reporting, and an intuitive user interface for expense management.



Burndown Chart - Calculating Family Expenses Project