

Date:	2 November 2025
Project Title:	Calculating Family Expenses using ServiceNow
Team ID:	NM2025TMID08734
NMID:	9B5B88F11C4E8D6B5CC49E939637B00D

Problem–Solution Fit Template

Project Design Phase – Calculating Family Expenses using ServiceNow

1. Problem Statement

Managing and tracking family expenses manually often leads to inaccuracies, lack of transparency, and difficulty in analyzing financial patterns. Families struggle to maintain accurate records, categorize spending, generate reports, and use a unified system for tracking shared costs. These inefficiencies result in poor financial decision-making and time-consuming manual calculations.

2. Root Causes

Cause	Description
Manual Tracking	Expenses are often recorded in notebooks or spreadsheets.
Lack of Automation	No automated process to sum, categorize, or visualize expenses.
Data Fragmentation	Expense data is scattered across devices or users.
No Central Platform	Families lack a common, cloud-based system for financial collaboration.

3. Proposed Solution

A Family Expense Management System is developed using ServiceNow, offering a centralized cloud-based platform for managing expenses. It automates calculations, provides category-wise analysis, supports approval workflows, and includes dashboards for financial insights and transparency.

4. Value Proposition

Benefit	Impact
Automation	Reduces manual errors and saves time.
Transparency	Every member can view and verify expenses.
Data Insights	Graphical reports help identify spending patterns.
Scalability	ServiceNow workflows can expand with new modules.
Accessibility	Cloud-based access from any device or location.

5. Key Features

1. Expense Entry Form – For adding daily or monthly expenses.
2. Auto Calculations – Automatic total and category-based analysis.

3. Dashboards & Reports – Visual summary of income vs. expenses.
4. Approval Workflows – Multi-user verification process.
5. Notifications – Alerts for expense thresholds or approvals.

6. Expected Outcomes

- Enhanced accuracy in expense tracking.
- Reduced manual effort by 70–80%.
- Real-time expense analysis.
- Improved financial planning and transparency within families.