

Project Design Phase

Problem – Solution Fit Template

Date	01 November 2025
Team ID	NM2025TMID03653
Project Name	Calculating Family Expenses using ServiceNow
Maximum Marks	4 Marks

Problem – Solution Fit Template :

Modern families often struggle with maintaining transparency and control over household spending. Manual recording of expenses through notebooks, spreadsheets, or mobile notes leads to missing records, confusion in shared expenses, difficulty tracking monthly budget, and lack of financial planning insights.

There is a need for a centralized, smart, and automated solution where family members can record daily expenses, track budget usage, upload receipts, and generate financial analysis reports to avoid overspending and improve planning.

Our ServiceNow–based Family Expense Management system solves this by allowing family members to log expenses, attach bills, categorize spending, trigger notifications for budget limits, and view monthly reports and spending trends from a unified dashboard. This solution helps families maintain discipline in spending, improve transparency, and plan finances more efficiently.

Purpose :

- Solve the problem of unorganized and manual household expense tracking.
- Provide a real-time, centralized platform accessible by all family members.
- Enable smart budget control through alerts, validations, and approvals.
- Increase financial transparency and trust within the family.
- Help families make better decisions using spending insights and monthly expense analysis.
- Replace traditional manual methods with an automated, accurate system in ServiceNow.

Template :

The project "Family Expense Management System using ServiceNow" provides a streamlined and centralized solution to manage daily household expenses efficiently. By creating structured tables for family members, categories, and daily transactions, this system ensures that financial data remains organized, transparent, and easily accessible. Through automated business rules and relational linking, users can accurately track spending, analyze expense patterns, and maintain financial accountability across the family. Implementing this solution in ServiceNow not only enhances data accuracy and budgeting discipline but also demonstrates how enterprise-grade platforms can be adapted for smart and practical

personal use. This project establishes a solid foundation for future enhancements such as dashboards, approval workflows, and automation—promoting informed financial decisions and better family expense management.

