

# Phase 1: Ideation Document

DATE	31 OCTOBER 2025
TEAM ID	NM2025TMID00189
PROJECT NAME	Calculating Family Expenses using ServiceNow

## 1. Problem Statement:

Managing family expenses manually through notes or spreadsheets is timeconsuming and prone to errors. This project aims to streamline household financial tracking and improve budgeting accuracy.

## 2. Proposed Solution:

The system allows users to log daily expenses, categorize them, and automatically update total amounts. It leverages ServiceNow business rules to compute totals and provide expense visibility.

## 3. Objectives:

- To automate family expense tracking.
- To provide an organized platform for managing daily expenses.
- To auto-calculate total expenses using Business Rules.
- To generate consolidated expense view per family member.
- To improve financial planning and transparency.

## 4. Scope of the Project:

## 5. Tools & Technologies:

Category	Tools
<b>Included (In-Scope)</b>	<b>Excluded (Out-of-Scope)</b>
Manual expense entry	Bank API integration
Automatic total update using Business Rules	Online payments
Family member-wise tracking	Mobile application
Expense summary & reports	AI-based prediction

Platform	ServiceNow Zurich Patch-2
Web	Browser-based interface
Scripting	JavaScript (Business Rules)
Version Control	GitHub
Documentation	WPS document / PDF

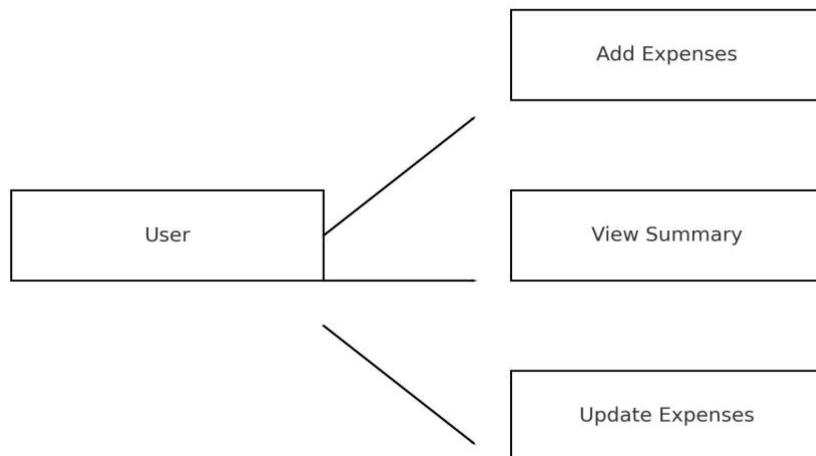
## 6. Target Users:

- Family members managing expenses
- Parents tracking daily household spending
- Students learning ServiceNow project development

## 7. Expected Outcome:

- Simple UI for daily expense entry
- Automatic family expense calculation
- Single dashboard to view total expenses
- Improved household budgeting and financial clarity

## 8. Use Case Diagram:



## 9. Success Metrics:

Criteria	Goal
Expense entry	Smooth and error-free

Auto Update	Correct & real-time
User experience	Simple and efficient

## 10. Deliverables:

- ServiceNow app
- GitHub report files
- Documentation
- Screenshot proof

## 11. References:

- ServiceNow Developer Portal - <https://developer.servicenow.com/>
- ServiceNow Documentation - <https://docs.servicenow.com/>
- Naan Mudhalvan Portal - <https://www.naanmudhalvan.tn.gov.in/>
- ServiceNow Training Modules - <https://developer.servicenow.com/dev.do#!/learn>