Phase 1: Ideation Document

DATE	1 NOVEMBER 2025
TEAM ID	NM2025TMID02621
PROJECT NAME	Calculating Family Expenses using ServiceNow

1. Problem Statement:

Managing family expenses manually through notes or spreadsheets is time-consuming 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:

Included (In-Scope)	Excluded (Out-of-Scope)
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

5. Tools & Technologies:

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

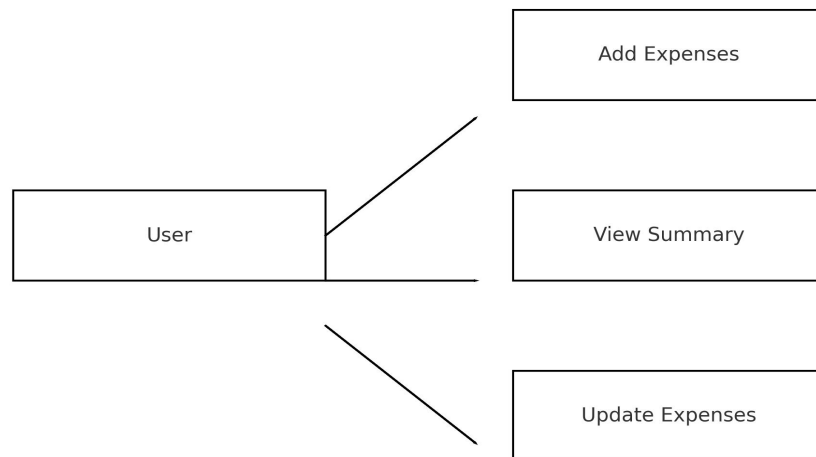## 6. Target Users:

- 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