

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	02 November 2025
Team Id	NM2025TMID03181
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	4 Marks

Functional Requirements

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Expense Entry	User can enter daily or monthly expenses using a catalog form.
FR-2	Expense Categorization	Each expense can be tagged under predefined categories (e.g., groceries, utilities, entertainment).
FR-3	Budget Management	Admin or user can set monthly budget limits per category.
FR-4	Expense Calculation	System automatically calculates total expenses and compares them with set budgets.
FR-5	Notifications	System sends alerts or notifications when expenses exceed the defined budget.
FR-6	Reports & Dashboards	Users can view monthly and category-wise reports, trends, and charts.
FR-7	Data Storage & Security	Users can view monthly and category-wise reports, trends, and charts.
FR-8	Export / Sharing	Reports can be exported to PDF or CSV formats for sharing.

Non-Functional Requirements

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interface should be intuitive and user-friendly for both admin and family members
NFR-2	Security	Only authorized users can add, edit, or delete expenses; sensitive data should be protected.
NFR-3	Reliability	System must accurately calculate totals and budget comparisons without data loss.
NFR-4	Performance	Expense calculation and alert generation should execute instantly without lag. Expense calculation and alert generation should execute instantly without lag.
NFR-5	Availability	System should be accessible 24/7 within the ServiceNow platform.
NFR-6	Scalability	Must handle increased users and expenses as the family data grows.
NFR-7	Maintainability	System should allow easy modification of categories, limits, and reports.
NFR-8	Transparency	All transactions should be traceable for verification and audit purposes.