

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	02 NOV 2025
Team ID	NM2025TMID03531
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 add a new daily expense with date, member name, and amount.
FR-2	Expense Validation	System validates the input and ensures no missing or incorrect data
FR-3	Family Expense Linking	System checks if a family expense record already exists for the given date.
FR-4	Automatic Update	If a record exists, the system adds the new daily expense amount to the existing family expense total.
FR-5	Record Creation	If no record exists, the system automatically creates a new family expense entry.
FR-6	Expense Reporting	Generate reports showing daily and total family expenses for selected periods.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be user-friendly and simple to input and view expenses.
NFR-2	Reliability	The system must ensure correct date-based aggregation every time a new expense is added.
NFR-3	Performance	The calculation and record update should be performed instantly without delay.
NFR-4	Accuracy	The total family expense should always reflect correct sums of all related daily expenses.
NFR-5	Scalability	The solution should support an increasing number of expense entries and family members.
NFR-6	Maintainability	The system should allow easy modification of rules and expansion of features such as categories or budgets.