

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

Date	20 Feb 2026
Team ID	LTVIP2026TMIDS24859
Project Name	Calculate Family Expenses Using Service Now
Mentor Name	Dr Shaik Salma Begum
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	ServiceNow Setup	Set up Personal Developer Instance Log in and verify instance accessibility
FR-2	Update Set Management	Create and activate Update Set Track all configuration changes in Update Set
FR-3	Table Creation	Create Family Expenses table with auto-numbering Create Daily Expenses table with required fields
FR-4	Field Configuration	Configure fields such as Date, Amount, Family Member Name, and Comments Set mandatory and read-only field properties
FR-5	Relationship Configuration	Configure relationship between Family Expenses and Daily Expenses tables Add related list to Family Expenses form to view Daily Expenses
FR-6	Business Rule & Automation	Create business rule to automatically calculate total expenses Update Family Expenses record when Daily Expense is inserted or updated
FR-7	Form Configuration	Design and customize forms for Family Expenses and Daily Expenses Ensure user-friendly interface for data entry
FR-8	Expense Management	Allow users to add, view, and manage daily expense records Automatically generate summarized expense records

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-9	Reporting & Analysis	Generate reports showing expense totals and trends
		Enable visualization of expense data for financial tracking

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system will provide simple and user-friendly forms for entering daily expenses and viewing family expense summaries, making it easy for users to manage expense records efficiently.
NFR-2	Security	Only authorized users (admin or designated users) can create, modify, or delete expense records. Role-based access control will be implemented to protect financial data.
NFR-3	Reliability	The system will maintain accurate expense records and automatically calculate totals without data loss or inconsistency. Business rules will ensure correct data processing.
NFR-4	Performance	The system will respond quickly to user actions such as form submission, expense entry, and record updates within acceptable response time limits.
NFR-5	Availability	The system will be available during ServiceNow Personal Developer Instance uptime, ensuring users can access and manage expense records when needed.
NFR-6	Scalability	The system will support increasing numbers of expense records, users, and extended features such as reporting and dashboards without affecting performance.
NFR-7	Maintainability	The system will use update sets and structured configuration, making it easy to maintain, modify, and extend the application in the future.