

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

Date	19-02-2026
Team ID	LTVIP2026TMIDS66350
Project Name	Calculating family expenses
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR-1	User Registration	Register family members through a form
FR-2	User Authentication	Login using username/password or email verification
FR-3	Expense Entry	Add daily expenses with date, amount, category, and details
FR-4	Expense Management	Edit or delete existing expense records
FR-5	Expense Categorization	Assign categories such as food, bills, travel, education, etc.
FR-6	Family Member Tracking	Record expenses linked to specific family members
FR-7	Expense Aggregation	Automatically calculate total expenses per day/month
FR-8	Reporting	Generate daily, weekly, and monthly expense reports
FR-9	Budget Management	Set spending limits and monitor budget usage
FR-10	Notifications	Alert users when expenses exceed the budget
FR-11	Data Storage	Store all expense data securely in the system database
FR-12	Dashboard Display	Show real-time summaries, totals, and insights

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should have a simple, intuitive interface so all family members can use it easily.
NFR-2	Security	Sensitive financial data must be protected from unauthorized access.
NFR-3	Reliability	The system should operate consistently without data loss or failures.

NFR-4	Performance	Expense entry, retrieval, and report generation should be fast and responsive.
NFR-5	Availability	The system should be accessible anytime for recording expenses.
NFR-6	Scalability	The system should handle increasing users, expenses, and data over time.
NFR-7	Data Accuracy	Calculations and reports must be accurate and error-free.
NFR-8	Maintainability	The system should allow easy updates and modifications.