

Requirement Analysis

Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

| | |
|---------------|--|
| Date | 2 NOVEMBER 2025 |
| Team ID | NM2025TMID05455 |
| Project Name | Calculating Family Expenses using ServiceNow |
| 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 | User Registration | Registration through Form, Gmail, or Mobile Number. |
| FR-2 | Expense Entry | Add daily, weekly, or monthly expenses under specific categories (e.g., food, transport, education). |
| FR-3 | Expense Categorization | System automatically classifies expenses into predefined categories. |
| FR-4 | Budget Setting | User can set monthly or yearly budgets and limits for each category. |
| FR-5 | Expense Analysis | System generates visual reports and charts showing expense distribution. |
| FR-6 | Savings Suggestion | Based on spending patterns, the system suggests ways to save money. |

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 simple and user-friendly for all family members. |
| NFR-2 | Security | Only authorized users can access or modify family expense records. |
| NFR-3 | Reliability | The system must accurately calculate and store all expense data. |
| NFR-4 | Performance | Calculations and report generation must occur quickly without lag. |
| NFR-5 | Availability | The system should be available 24/7 for users to view or update expenses. |
| NFR-6 | Scalability | The system should handle increasing data entries as family records grow. |