

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	
Team ID	NM2025TMID05673
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	4 Marks

1. Functional Requirements

Functional requirements describe **what the system should do** — the core features, operations, and behavior of the application.

ID	Requirement Description	Category	Priority	Acceptance Criteria
FR-01	Users should be able to add, edit, and delete expenses	Expense Management	High	Expenses are saved and updated correctly in the database
FR-02	System should categorize expenses (e.g., food, bills, transport)	Expense Categorization	High	Expense categories appear correctly on reports
FR-03	Allow users to set monthly or weekly budgets	Budget Setting	Medium	System tracks and alerts when expenses exceed budget
FR-04	Generate monthly/annual reports	Reporting	High	Reports display accurate totals and summaries
FR-05	Enable multi-user login for family members	User Management	Medium	Each member can access their expense data
FR-06	Provide graphical dashboard to visualize expenses	Dashboard Visualization	Medium	Charts display categorized data
FR-07	Enable data export to Excel or PDF	Data Handling	Low	Users can download their expense reports

2. Non-Functional Requirements

Non-functional requirements define **how the system performs** — including reliability, security, performance, and usability.

ID	Requirement Description	Category	Priority	Measurement Criteria
NFR-01	System should be secure and allow access only to authenticated users	Security	High	Encrypted logins, password policies
NFR-02	System should respond within 2 seconds for user requests	Performance	High	Load testing response times
NFR-03	Application should be available 24/7 with 99% uptime	Reliability	High	ServiceNow uptime monitoring
NFR-04	Interface should be user-friendly and mobile compatible	Usability	Medium	User satisfaction and feedback
NFR-05	System must back up data daily	Data Recovery	Medium	Automated backup logs
NFR-06	Support scalability for adding multiple users and large data sets	Scalability	Medium	Load balancing and data partitioning
NFR-07	Ensure data privacy according to organizational policies	Compliance	High	ServiceNow compliance verification

Purpose of This Section

This section ensures that:

- All functional goals of the family expense system are well-defined.
- Performance and quality standards are maintained.
- Developers, testers, and stakeholders have a clear understanding of what the system should deliver and how it should behave.