Project design phase-II

Solution requirements (functional and non-functional)

Date : 01 november 2025

Team ID : NM2025TMID01129

Project Name : Calculating Family Expenses using Service Now

Maximum Marks: 4marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Family Member Management	Create, edit, and delete family member records to maintain household data.
FR-2	Income Management	Add and update income details (source, amount, date) for each family member.
FR-3	Expense Management	Record daily or monthly expenses with category, amount, and date fields.
FR-4	Automated Calculation	Implement Business Rules to automatically calculate total income, total expenses, and remaining balance.
FR-5	Workflow Automation	Use Flow Designer to trigger automatic updates when new expenses are added or modified.
FR-6	Reporting and Visualization	Generate reports and dashboards to display monthly summaries, expense categories, and balance insights.
FR-7	Notifications and Alerts	Configure alerts when expenses exceed income thresholds.

Non-Functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be simple, intuitive, and easy for all family members to record and view expenses.
NFR-2	Accuracy	Calculations for income, expenses, and balance should be precise and updated in real time.
NFR-3	Reliability	The automated workflows and business rules must function consistently without errors.
NFR-4	Performance	The system should process calculations and update dashboards within seconds of data entry.
NFR-5	Availability	The ServiceNow application should be accessible at all times for data entry and report viewing.
NFR-6	Auditability	All income and expense transactions must be logged for transparency and tracking of financial history.
NFR-7	Scalability	The system should support multiple family members and large datasets without affecting performance.