REQUIREMENT ANALYSIS PHASE

DATE	O7 NOVEMBER2025
TEAM ID	NM2025TMID09183
PROJECT NAME	Calculating Family Expenses using ServiceNow

4.1 Functional Requirements:

S.No	Functional Requirement	Description
FR-01	User Login	The user should be able to login to ServiceNow instance
FR-02	Add Family Member Expense	User can record daily expenses for each family member
FR-03	Auto-Generate Expense ID	The system should auto-generate a unique daily expense record number
FR-04	Store Expense Category & Comments	User should enter expense comment (ex: Petrol, Grocery, Electricity)
FR-05	Store Expense Amount	System should store amount spent on each record
FR-06	Update Total Spending	System should automatically

		update total expenses in Family Expense table
FR-07	View Family Expense Summary	User can view total expenses for each family member
FR-08	Generate Expense Report	System should allow viewing expense records in list/report format

4.2 Non-Functional Requirements:

S.No	Non-Functional Requirement	Description
NFR-01	Performance	Application should update calculations without delay
NFR-02	Usability	System must be easy to use and understandable for users
NFR-03	Reliability	Data recorded must be accurate and consistent
NFR-04	Scalability	Should support multiple users and many expense entries
NFR-05	Security	Only authenticated users can access and modify expense data

		Should support future enhancements like charts / category filter
NFR-06	Maintainability	Should support future enhancements like charts / category filter

4.3 Hardware Requirements:

Component	Specification
Processor	Intel Core i3 or above
RAM	Minimum 4 GB (8 GB recommended)
Storage	2 GB free disk space
Internet	Required to access ServiceNow Cloud Instance

4.4 Software Requirements:

Software	Version / Details
Operating System	Windows / Mac / Linux
Browser	Chrome (recommended) / Edge / Firefox
ServiceNow Instance	PDI – Zurich Release
Tools	App Engine Studio, ServiceNow Classic UI
Document Tools	WPS / MS Word
Version Control	GitHub (for project submission)

4.5 User Requirements:

User Type	Requirement
Student Developer	Ability to configure tables, business rules, UI policies
End User	Should enter expenses easily and see total expenses
Admin	Manage instance and data