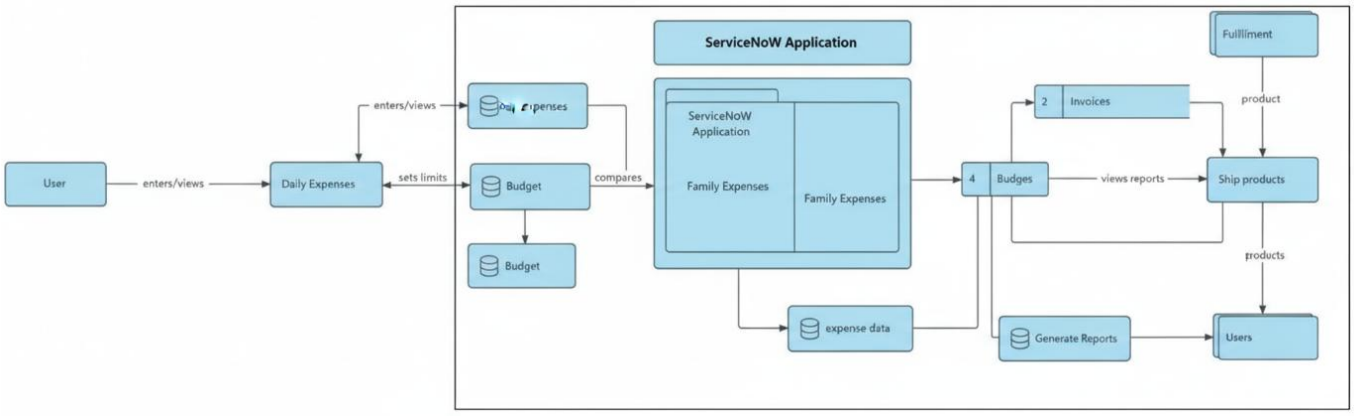
Project Design Phase-II
Data Flow Diagram & User Stories

Date	2 November 2025
Team ID	NM2025TMID03181
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) visually represents the information flows within the Family Expenses system. It should illustrate how expense data enters the system (e.g., via user input), how it is categorized, stored, and reported. The diagram should show interactions between users (family members/admin), the expense tracking module, budget setting logic, and reporting output.

Example:



User Stories:

User stories should define what different users (family admin, family member) need from the expense management system using simple, goal-focused language. Structure each story with columns for user type, functional requirement, epic, user story number, user story/task, acceptance criteria, priority, and release.

User Type	Functional Requirement	Epic	User Story Number	User Story Task	Acceptance Criteria	Priority	Release
Family Admin	Expense Management	Add Expense	USN-1	As a family admin, I want to add expense entries for any member so that all expenses are tracked centrally.	The system allows entry of expenses with date, category, amount, and member name; saves the record successfully.	High	Sprint-1
Family Member	Personal Tracking	View Expenses	USN-2	As a family member, I want to view my individual expenses so that I can monitor my own spending.	The system displays expenses linked to the logged-in member.	High	Sprint-1
Family Admin	Budget Setting	Set Budget	USN-3	As a family admin, I want to set budgets for categories and family members to control finances.	The system allows budget limits to be set and alerts when exceeded.	Medium	Sprint-2
Family Admin/Member	Reporting	View Report	USN-4	As a user, I want to generate monthly or custom reports of expenses to analyze spending trends.	Reports generate correct totals, categories, and comparison charts.	Medium	Sprint-2