

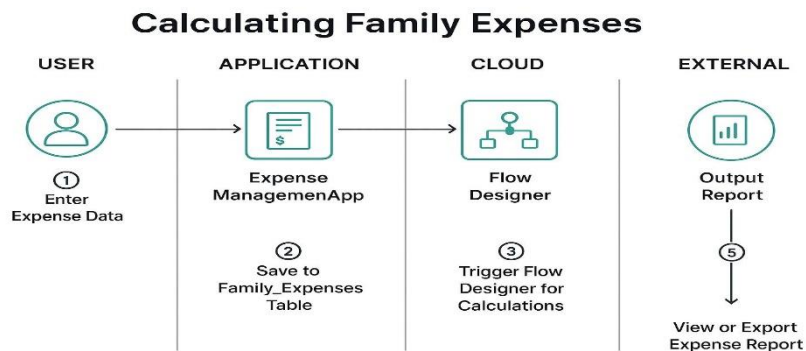
Project Design Phase-II

Data flowdiagram&Userstories

Date	28/10/2025
Team ID	NM2025TMID03933
Project name	Calculating Family Expenses using Service Now
Maximum marks	4 Marks

Data flow Diagrams:

Here's a theoretical explanation of the Data Flow Diagram (DFD) for the project “Calculating Family Expenses using Service Now” — covering all levels and key components.



1. User inputs family expenses in a Service Now form.
2. Service Now Application stores the data securely in a database table.
3. Flow Designer / Script automatically sums up totals and categorizes spending.
4. Analytics Module visualizes monthly and yearly expense trends
5. User reviews or downloads the expense report.

User stories:

To build a Service Now-based system that allows users to input, categorize, and analyse family expenses automatically — generating visual reports and insights into spending and savings.

User type	Function Requirement	User story number	User story/ task	Acceptance criteria	Priority	
Administrator	User Management	USN-1	As an admin, I want to delete a user from the system.	The system should allow deletion only if the user is not assigned to any	High	S
System (Auto-check)	Validation before	USN-2	As a system, I must check if the user is linked to any incident before processing a delete	Deletion proceeds only if no incident is assigned; else, it should be blocked	High	S
Incident Manager	Alert Notification	USN-3	As an incident manager, I want to receive an alert if a user with assigned incidents	System shows a warning or alert about linked incidents before deletion	Medium	S

