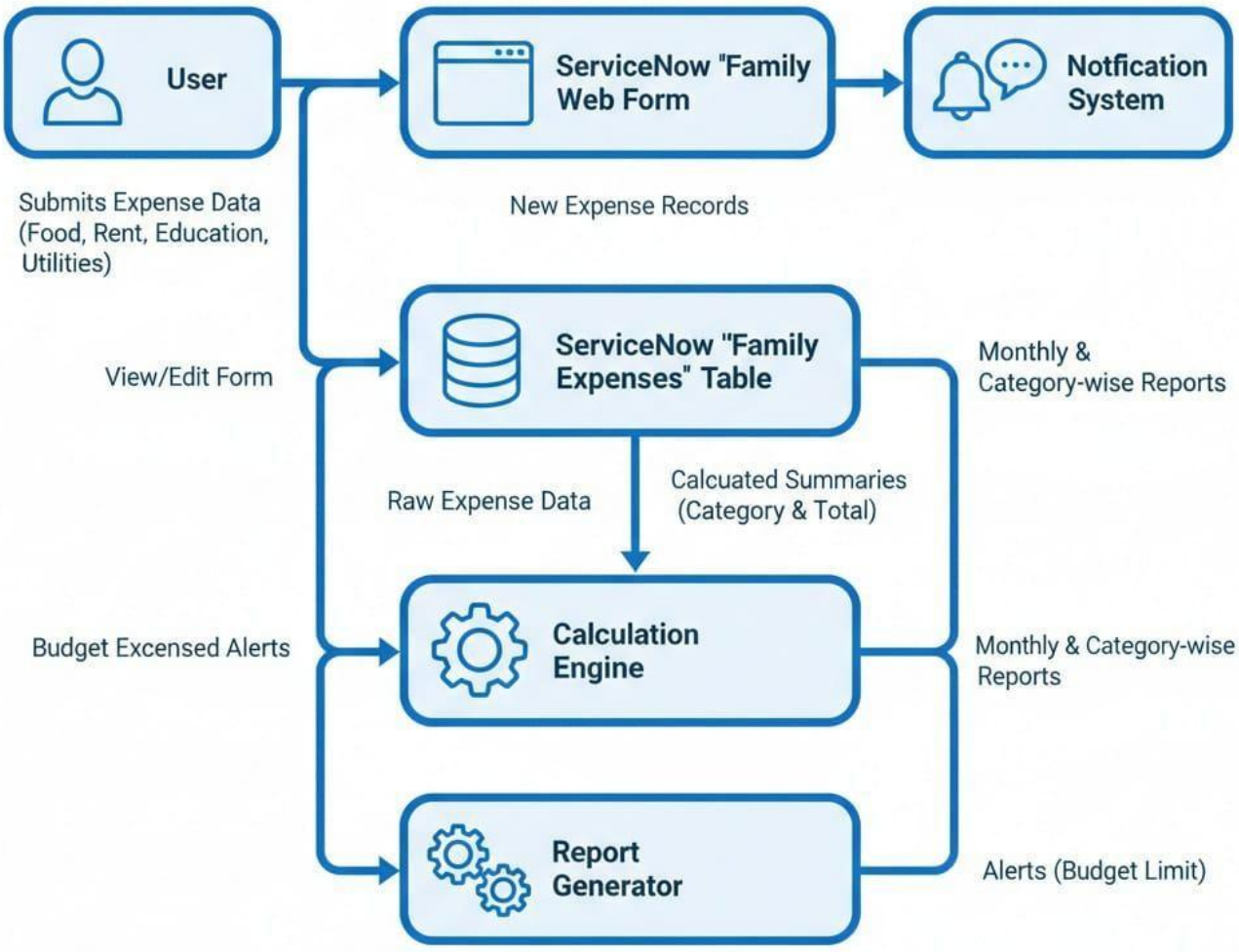
Project Design Phase-II
Data Flow Diagram & User Stories

Date	**01 November 2025**
Team ID	**NM2025TMID02948**
Project Name	**Calculating Family Expenses using ServiceNow**
Maximum Marks	**4 Marks**

Data Flow Diagram :

This Data Flow Diagram illustrates how a user submits expense data (food, rent, education, utilities) through a ServiceNow Family Web Form. Submitted records are stored in the ServiceNow "Family Expenses" Table. The Calculation Engine processes raw expense data for monthly and category-wise summaries, checks for budget limits, and triggers alerts using the Report Generator and Notification System.

Example:



User stories

The following table outlines key user stories for the ServiceNow Family Expense Management system. These stories capture the main features from a user's and system's perspective, with acceptance criteria to ensure each requirement is met during development and testing.

User Type	Functional Requirement	User Story Story / Task	Priority Criteria	Release
User	Expense Subbission	As a family member, I want to submit expense details in various categries (food, rent, utlities, education aducation) so they can tracked.	High	Sprint 1
User	Edit/View Expenses	As a user, I want to view and edit my submitted expenses so can udate incorrect entries.	High	Sprint 1
USN-2	Edit/View Expenses	Changes to entries are instanty reflected and and visable an visible to the user.	High	
System	SYSN-2	As the system, I need to automaticall monthly and category totals for each user.	High	Sprint 1
SYSN-3	As the system Summaries	As the system, I need to send an alert when expenses exced sd sɨime in rime on ton the category.	Medium	Sprint 2
Syster-4	Budget Alerts	Sumnaries are accurat an alert when exeeced defined budget limits for any categord.	High	Sprint 2
USN-5	Budget Alerts	Users receive notification and categıion immediutely if exceresed.	High	Sprint 3
User-5	Download Reports	Downladed reports are accuraty-wise reports in PDF dashboard data	Medium	Sprint 3