

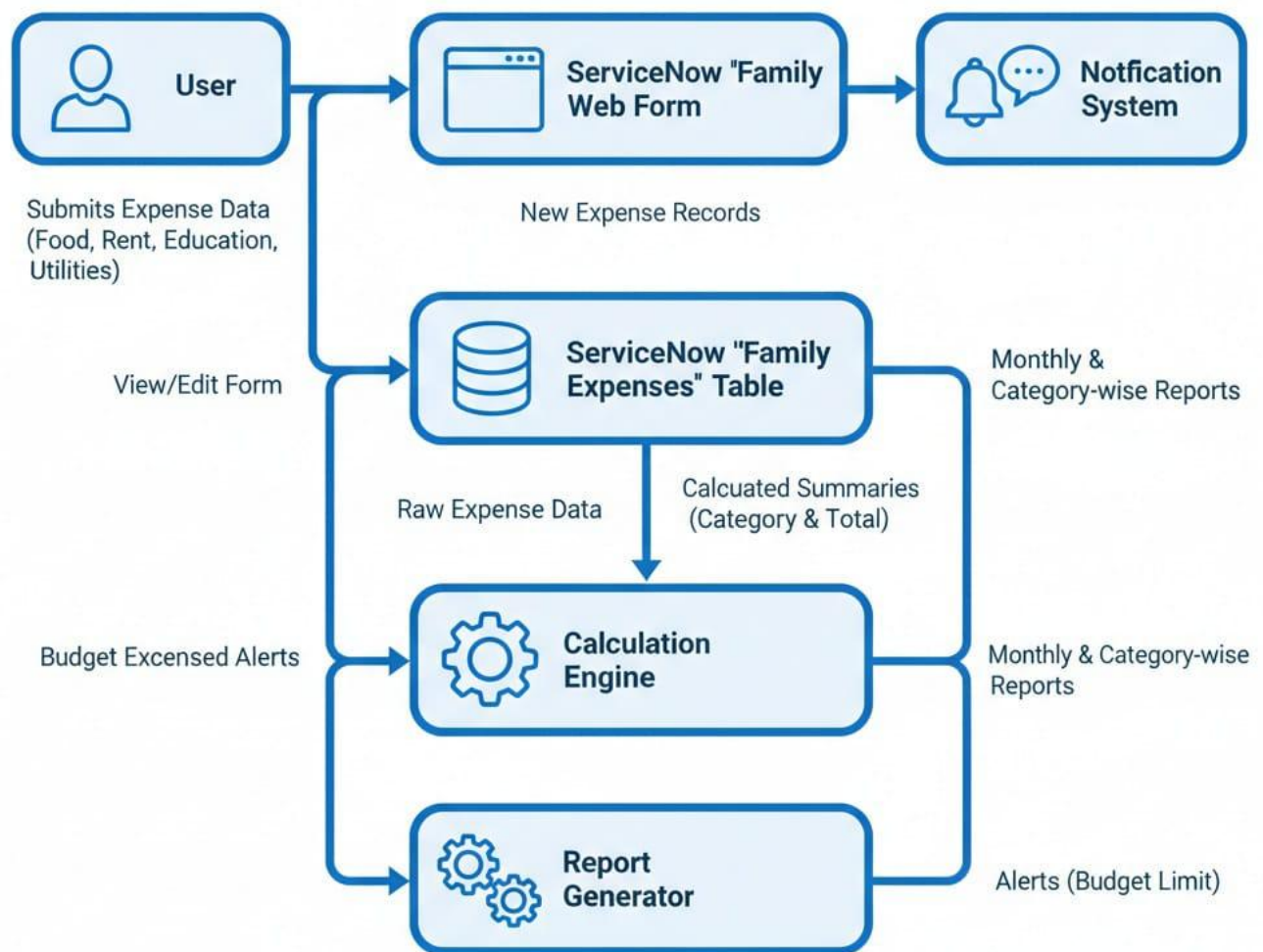
Project Design Phase-II
Data Flow Diagram & User Stories

Date	01 NOV 2025
Team ID	NM2025TMID03653
Project Name	Calculating Family Expenses using Servicenow
Maximum Marks	4

Data Flow Diagram

Description:

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.



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 catgegries (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 srrime 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 categoion immediutely if exceresed.	High	Sprint 3
User-5	Download Reports	Downladed reports are accuraty-wise reports in PDF dashboard data	Medium	Sprint 3