Project Design Phase – II

Data Flow Diagram & User Stories

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Team ID: NM2025TMID07316
Project Name: Calculating Family Expenses through ServiceNow

Data Flow Diagrams:

The system for calculating family expenses through ServiceNow consists of modules that handle user input, data storage, expense categorization, and report generation. The DFD illustrates the flow of data among different entities such as Family Members, the Expense Management System, and the Database.

Level 0 DFD: Shows interaction between Family Members and the Expense System. **Level 1 DFD:** Details the processes for adding expenses, categorizing them, and generating reports.

User Stories:

Number	User Story / Task	
1	As a family member, I want to add daily expenses so that I can track my spending.	System allows adding
2	As a user, I want to categorize expenses (e.g., Food, Bills, Travel) for better analysis.	Categories ca 3 As an admin, I want
to review and verify all family expenses monthly. System displa		
4	As a system, I want to generate monthly and yearly reports for family spending.	Reports display
5	As a family member, I want to receive alerts when spending exceeds a set budget.	System
6	As a system, I want to automate expense status updates and report generation using Flow Designer.	
	Reports a	