

Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	28/10/2025
Team ID	NM2025TMID03933
Project name	Calculating family expenses using service now
Maximum marks	4 marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2

Example: Order processing during pandemics for offline mode

Technical Architecture for Calculating Family Expenses using ServiceNow

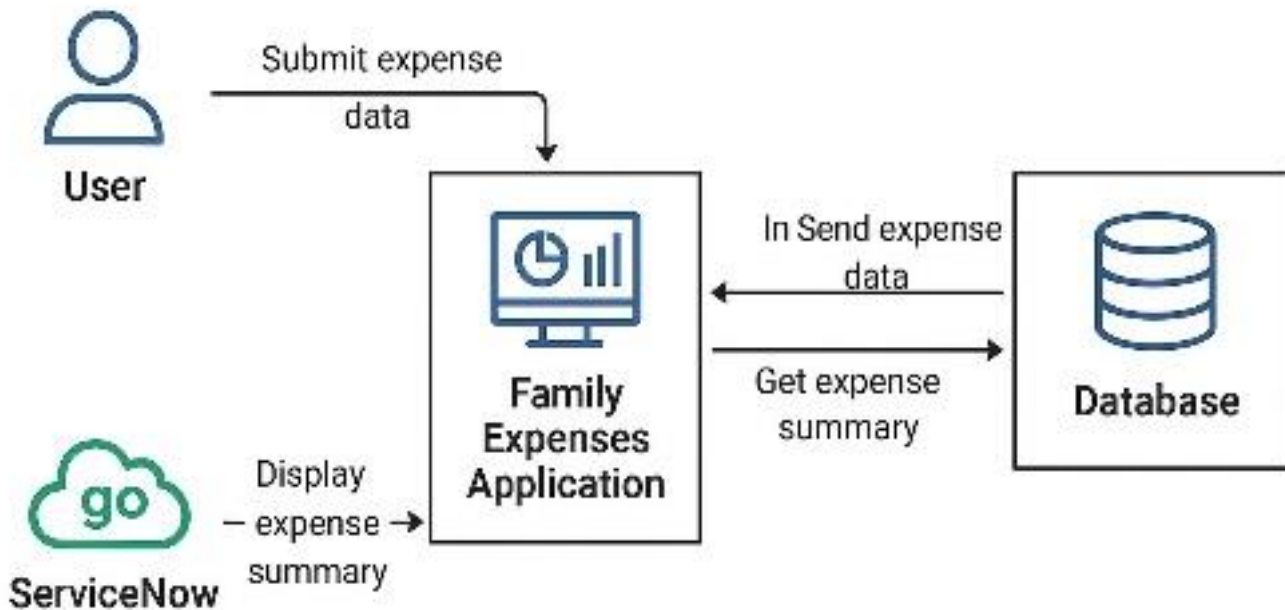


Table-1 : Components & Technologies:

S. No	Component	Description	Technology
1	Custom Tables	Database tables to store different types of data related	Database Management, App Engine
2	User Interface (Forms & Views)	Forms for users to input daily expenses easily, and views to see expense records.	Service Now Form Design/UI Builder
3	Workflow & Automation	Automating calculations (e.g., total monthly spend per category)	Flow Designer, Business Rules, Scheduled Jobs
4	Reporting & Dashboards	Visualizing spending patterns, comparing budgeted vs. Actual costs, and generating monthly	Service Now Reporting, Performance Analytics, Dashboards
5	Integration	Optionally bringing in data from external	Integration Hub

Table-2: Application Characteristics:

S .no	Characteristics	Description	Technology
1	Application Name	Name of the application developed for managing and calculating family expenses.	Service Now Custom Application
2	Purpose	To track, manage, and calculate monthly family expenses across	Service Now Platform
3	Modules	Components Expense Input, Expense Categorization, Expense	Service Now App Engine
4	Data Source	Stores family expense data, budget limits, and reports	Service Now User Roles & ACLs
5	Data Storage	Manual data entry or automated import from Excel/CSV	Service Now CMDB / Custom Tables