

Technology Stack Document

Date:	November 02, 2025
Team ID:	NM2025TMID05019
Project Name:	Calculating Family Expenses using ServiceNow
Maximum Marks:	4 Marks

1. Overview

The Family Expense Automation System (FEAS) is a ServiceNow-based low-code application designed to automate the tracking and calculation of daily and family expenses. It uses ServiceNow capabilities, custom tables, relationships, and business rules for data automation and reporting.

2. Core Platform

Layer	Technology	Version	Notes
Platform	ServiceNow	Washington DC or later	Supports latest automation features
Instance Type	Personal Developer Instance	Cloud	Used for testing
Database	ServiceNow Cloud DB	PostgreSQL	Stores expense data
Storage	ServiceNow Table Storage	—	Managed automatically

3. Functional Components

Component	ServiceNow Module / Feature	Purpose
Family Expenses Table	Custom Table (u_family_expenses)	Stores daily summaries
Daily Expenses Table	Custom Table (u_daily_expenses)	Captures individual expenses
Relationship Mapping	Relationship Definition	Links both tables
Business Rules	Server-side Logic	Auto updates total & details
Number Maintenance	OOB Feature	Generates prefixed IDs (MFE###)
Form Design	Form Layout Configuration	Field visibility & validation
Reporting & Dashboard	Performance Analytics	Expense visualization

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