Calculating Family Expenses Using ServiceNow

# Project Objective

To develop a ServiceNow-based system that helps track and manage family expenses efficiently with categorized data, budgeting, and reports.

# Project Steps and Code

## 1. Setting Up ServiceNow Instance

Go to https://developer.servicenow.com, sign up, create a Personal Developer Instance, and choose the latest version.

## 2. Creation of New Update Set

Navigate to: System Update Sets → Local Update Sets → New

Example:

* Name: FamilyExpensesUpdate
* Description: Update set for managing family expenses system

## 3. Creation of Tables

A. Family Members Table

* Table Name: u\_family\_member
* Fields:

Name (String)  
Relation (String)  
Age (Integer)  
Income (Currency)

B. Daily Expenses Table

* Table Name: u\_daily\_expenses
* Fields:

Date (Date)  
Category (Choice: Food, Rent, etc.)  
Amount (Currency)  
Notes (String)  
Family Member (Reference to u\_family\_member)

## 4. Creating Relationships

Create a reference field in u\_daily\_expenses table pointing to u\_family\_member to establish a one-to-many relationship.

## 5. Configuring Related List on Family Expenses

Go to: Family Member → Form Design → Related Lists tab → Add: Daily Expenses.

## 6. Creation of Business Rules

Navigation: System Definition → Business Rules → New

Example: Auto-Set Date

Script:

(function executeRule(current, gsn) {  
 if (!current.date)  
 current.date = new GlideDate();  
})(current, gsn);

## 7. Configure the Relationship (Advanced)

You can add a calculated field or create a report to summarize total expenses per member.

# Summary

Tables: u\_family\_member, u\_daily\_expenses

Fields: Name, Age, Income, Date, Category, Amount, etc.

Business Rule: Auto-date on insert

Reports: Optional summary per member