Calculating Family Expenses using ServiceNow

Problem Statement:

There is currently no efficient system in place to track, categorize, and analyze family expenses in a way that is integrated, automated, and accessible in real-time. This leads to poor budget planning, missed payments, overspending, and a lack of financial visibility.

Objective:

To design and implement a solution using ServiceNow that allows family members to:

1. Input and categorize expenses easily via a user-friendly interface or mobile portal.

2. Automate recurring expenses (e.g., rent, subscriptions).

3. Track total and category-wise spending on a monthly/weekly basis.

4. Set spending limits and receive alerts when thresholds are crossed.

5. Generate reports and dashboards to visualize trends and support better financial decisions.

6. Share visibility and responsibilities across family members via roles or user groups.

Skills:

ServiceNow App Development (AppEngine Studio)

Custom Tables & Data Modeling

Form Design & UI Customization

Flow Designer (for automation)

Business Rules & Scripting

Reporting & Dashboards

User Roles & Access Control (ACLs)

TASK INITIATION

Milestone 1: Instance

Activity 1: Setting up ServiceNow instance

1. Sign site "https://developer.servicenow.com".

2. Once logged in, navigate to the "Personal Developer Instance" section.

3. Click on "Request Instance" to create a new ServiceNow instance.

4. Fill out the required information and submit the request.

5. You'll receive an email with the instance details once it's ready.

6. Log in to your ServiceNow instance using the provided credentials.

7. Now you will navigate to the ServiceNow.

Milestone 2: New Update Set

Activity 1: Creation of New Update Set

1. Go to All >> In the filter search for Local Update set > click on New.

2. Enter the Details: Name: Family Expenses

Milestone 3: Table (Family Expenses)

Activity 1: Creation of Family Expenses Table

1. Go to All > In the filter search for Tables > click on New.

2. Enter the Details: Label: Family Expenses, Name: Auto-Populated, New menu name: Family Expenditure.

3. Save.

Activity 2: Creation of Columns

- Number (String)

- Date (Date)

- Amount (Integer)

- Expense Details (String, Max length 800)

Activity 3: Making Number Field an Auto-Number

- Use dynamic default: Get Next Padded Number

- Table: FamilyExpenses, Prefix: MFE

Milestone 4: Table (Daily Expenses)

Activity 1: Creation of Daily Expenses Table

- Label: Expenses Name (Auto-Populated)

- Add Module to menu: Family Expenditure

Activity 2: Creation of Columns

- Number (String)

- Date (Date)

- Expense (Integer)

- Family Member Name (Reference)

- Comments (String, Max length 800)

Activity 3: Making Number Field an Auto-Number

- Table: DailyExpenses, Prefix: DFE

Milestone 5: Creation of Relationship

Create relationship between Family Expenses and Daily Expenses tables.

Milestone 6: Configuring Related List

Configure related lists in Family Expenses form.

Milestone 7: Business Rules

Create Business Rule for updating Family Expenses based on Daily Expenses.

Milestone 8: Relationship Configuration

Configure relationship query using date matching.