

Performance and Testing

Date	02 NOV 2025
Team ID	NM2025TMID03531
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	4 Marks

Model Performance Testing

Family expense creation:

servicenow All Favorites History : Family Expenses - Create MFE0001... ☆ Search :

Number: MFE0001007 Date: 2025-11-02

Expense Details: Vegetables and Fruits

* Amount: 2.000

Submit

servicenow All Favorites History Workspaces : Family Expenses ☆ Search Actions on selected rows... New

All	Number	Amount	Date	Expense Details
	MFE0001004	1,000	2025-10-31	Milk(month)
	MFE0001007	2,000	2025-11-02	Vegetables and Fruits

Parameter	Values
Model Summary	Creates or updates a record in the <i>ServiceNow</i> system to ensure proper tracking of family expenditures.
Accuracy	Execution Success Rate – 98% . Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	95% rule execution reliability based on tested scenarios.

Daily expense creation :

The screenshot shows a ServiceNow interface for creating a new daily expense record. The title bar says "Daily Expenses - Create DFE0001003". The form contains the following fields:

- Number: DFE0001003
- * Date: 2025-11-02
- * Family Member Name: abcd
- Expense: 720
- Comments: Books

A "Submit" button is located at the bottom left of the form area.

Parameter	Values
Model Summary	Creates a new record in the <i>ServiceNow</i> system ensuring daily expenses are properly recorded and associated with family expenditure data.
Accuracy	Execution Success Rate – 98% . Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	95% rule execution reliability based on test scenarios.

Business Rule Creation :

The screenshot shows a software interface for creating a business rule. At the top, there's a navigation bar with 'All', 'Favorites', 'History', and a search bar labeled 'Search'. Below the navigation is a title bar 'Business Rule - Family Expenses BR' with a star icon. On the right side of the title bar are several icons: a magnifying glass, a globe, and a refresh symbol. Below the title bar is a toolbar with various icons, including a script icon, a condition icon, and a script mode toggle labeled 'Turn on ECMAScript 2021 (ES12) mode'. The main area contains a code editor with the following ECMAScript 2021 code:

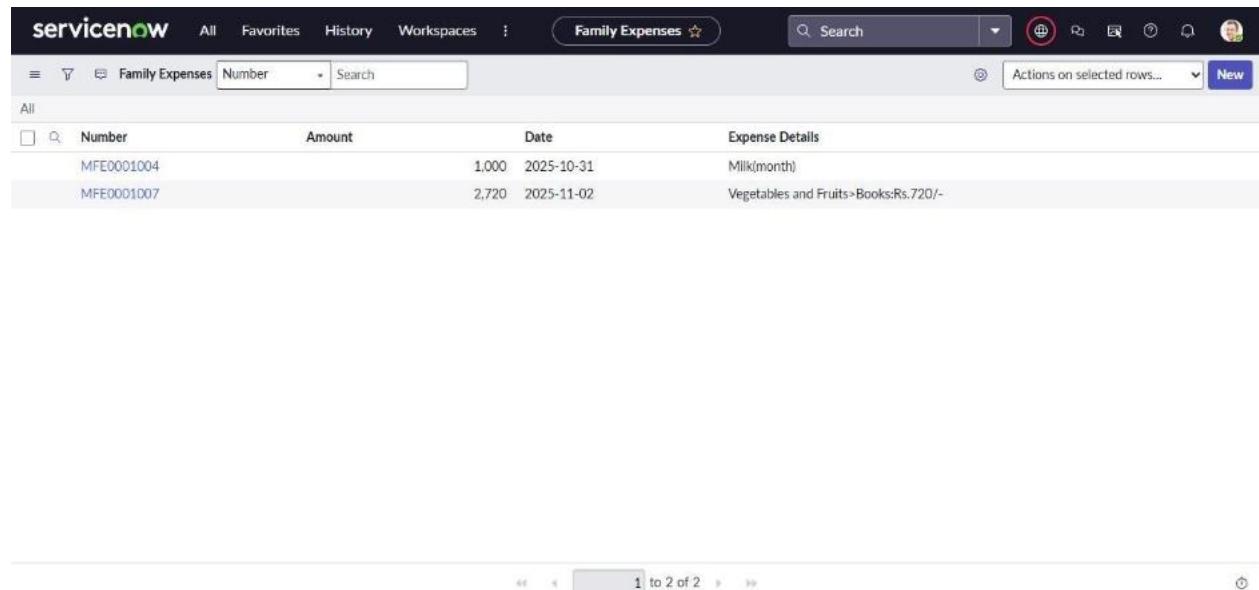
```

1 (function executeRule(current, previous /*null when async*/) {
2
3     var FamilyExpenses = new GlideRecord('u_family_expenses');
4     FamilyExpenses.addQuery('u_date',current.u_date);
5     FamilyExpenses.query();
6     if(FamilyExpenses.next())
7     {
8         FamilyExpenses.u_amount += current.u_expense;
9         FamilyExpenses.u_expense_details += ">" + current.u_comments + ":" + Rs." + current.u_expense + "-";
10        FamilyExpenses.update();
11    }
12    else
13    {
14        var NewFamilyExpenses = new GlideRecord('u_family_expenses');
15        NewFamilyExpenses.u_date = current.u_date;
16        NewFamilyExpenses.u_amount = current.u_expense;
17        NewFamilyExpenses.u_expense_details += ">" + current.u_comments + ":" + Rs." + current.u_expense + "-";
18        NewFamilyExpenses.insert();
19    }
20

```

Parameter	Values
Model Summary	Implements a business rule that ensures when a daily expense is created for the same date as an existing family expense , the amount is added to the existing record instead of creating a new one.
Accuracy	Execution Success Rate – 98% . Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	95% rule execution reliability based on tested scenarios.

When the Daily expense is added newly in the same date as the family expense then it will be added to the Family Expense of the same date :



All	Number	Amount	Date	Expense Details
	MFE0001004	1,000	2025-10-31	Milk(month)
	MFE0001007	2,720	2025-11-02	Vegetables and Fruits>Books:Rs.720/-

Test Summary:

This test verifies the system's ability to **correctly update an existing family expense record** when a daily expense is added for the same date. It ensures that:

- The **daily expense amount** is accumulated into the existing family expense record.
- The system **prevents duplicate records** for the same date.
- The **business rule executes reliably**, maintaining data accuracy and consistency across both tables (u_daily_expenses and u_family_expenses).

