

# 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:

The screenshot shows the 'Family Expenses - Create' form in ServiceNow. The form includes the following fields:

- Number: MFE0001007
- \* Date: 2025-11-02
- Expense Details: Vegetables and Fruits
- \* Amount: 2,000

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

The screenshot shows the 'Family Expenses' list view in ServiceNow. The table displays the following records:

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

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

### Daily expense creation :

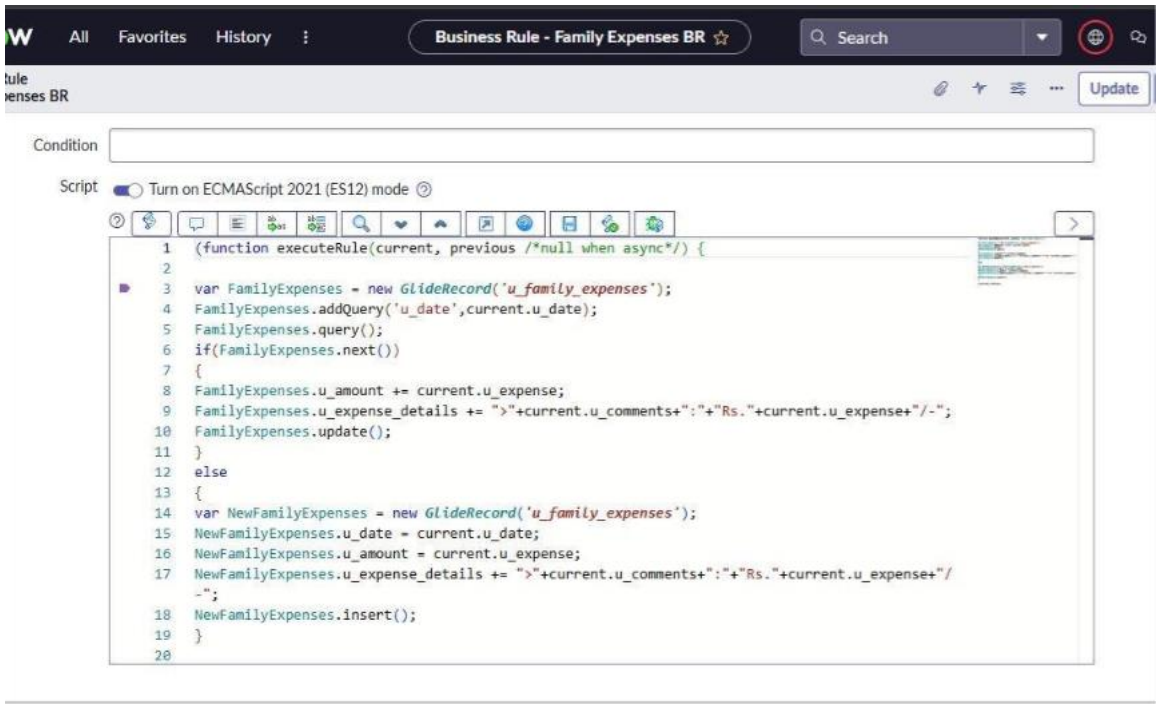
The screenshot shows the ServiceNow interface for creating a new record in the 'Daily Expenses' table. The breadcrumb trail is 'Daily Expenses - Create DFE0001003'. The form contains the following fields:

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

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

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

Business Rule Creation :



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

servicenow

AllFavoritesHistoryWorkspaces

Family Expenses

Search

Actions on selected rows...New

	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/-

1 to 2 of 2

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).
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