

Performance and Testing

Date	02 NOV 2025
Team ID	NM2025TMID03531
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	2 Marks

Model Performance Testing

Family expense creation:

servicenow All Favorites History **Family Expenses - Create MFE0001...** Search

< Family Expenses New record Submit

Number MFE0001007 * Date 2025-11-02

Expense Details Vegetables and Fruits

* Amount 2,000

Submit

servicenow All Favorites History Workspaces **Family Expenses** Search

Family Expenses Number 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

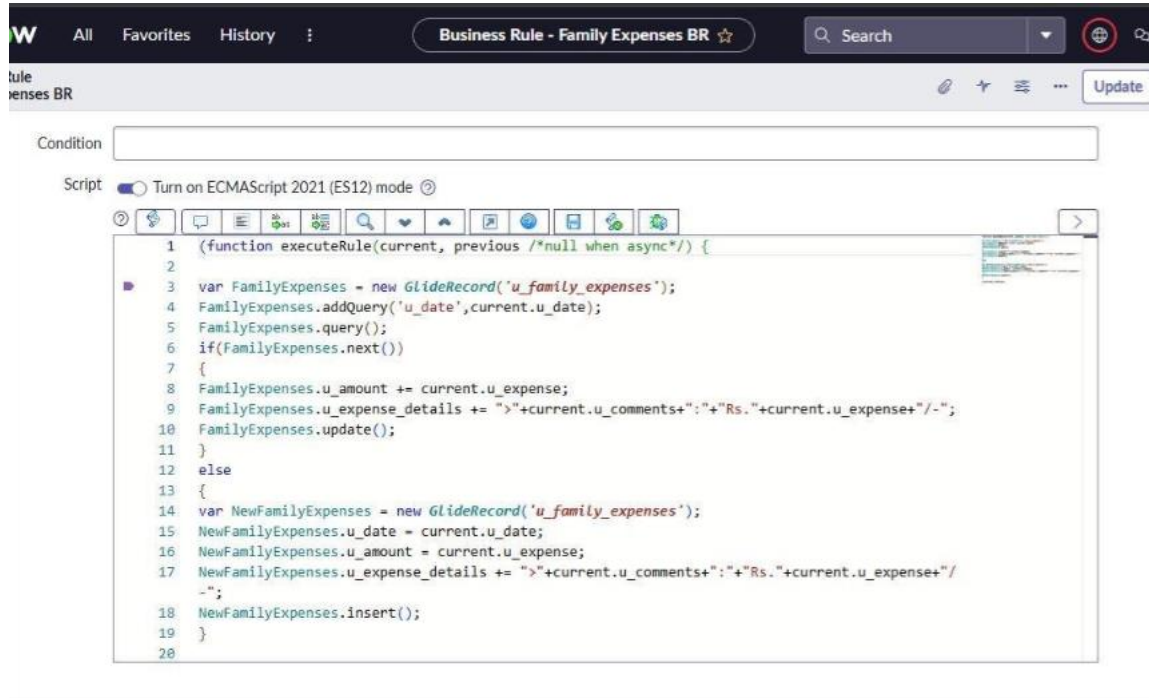
Parameter	Values
Model Summary	Creates or updates a record in the <i>ServiceNow</i> system to ensure proper tracking of family expenditures.
Accuracy	Execution Success Rate – 98% . Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	95% rule execution reliability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

Daily expense creation :

The screenshot displays the ServiceNow interface for creating a new daily expense record. The header bar includes the ServiceNow logo, navigation tabs (All, Favorites, History), and a search bar. The main title is 'Daily Expenses - Create DFE0001003'. Below the title, there are several input fields: 'Number' with the value 'DFE0001003', 'Date' with the value '2025-11-02', 'Family Member Name' with the value 'abcd', 'Expense' with the value '720', and 'Comments' with the value 'Booked'. A 'Submit' button is located at the bottom left of the form.

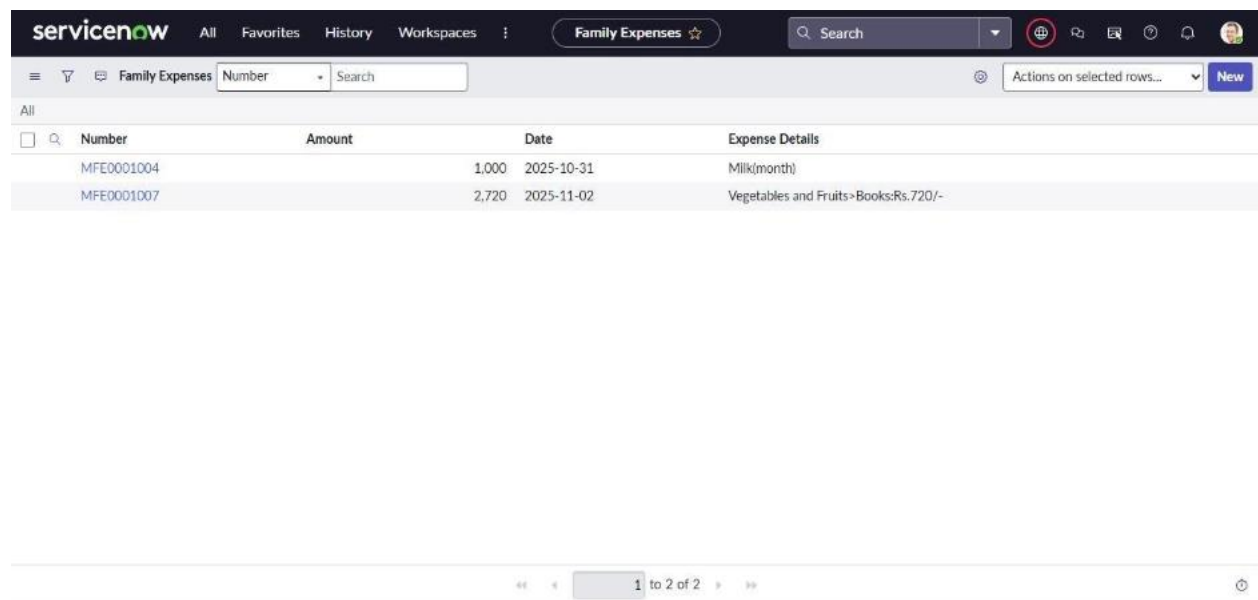
Parameter	Values
Model Summary	Creates a new record in the <i>ServiceNow</i> system ensuring daily expenses are properly recorded and associated with family expenditure data.
Accuracy	Execution Success Rate – 98% . Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)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

Business Rule Creation :



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 :



The screenshot shows the ServiceNow interface for the 'Family Expenses' table. The table has columns for Number, Amount, Date, and Expense Details. Two records are visible: one for 'Milk(month)' on 2025-10-31 with an amount of 1,000, and another for 'Vegetables and Fruits>Books>Rs.720/-' on 2025-11-02 with an amount of 2,720. The interface includes a search bar, filters, and a 'New' button.

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).

