

Performance and Testing

Date	02NOV2025
Team ID	NM2025TMID07923
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	4 Marks

Model Performance Testing

Family expense creation:

The screenshot shows the ServiceNow interface for creating a new family expense record. The top navigation bar includes 'servicenow', 'All', 'Favorites', 'History', and a search bar. The main title is 'Family Expenses - Create MFE0001...'. The form fields are as follows:

- Number: MFE0001007
- * Date: 2025-11-02
- Expense Details: Vegetables and Fruits
- * Amount: 2.00d

At the bottom left is a 'Submit' button, and on the right is a vertical toolbar with icons for camera, video, file, and settings.

Parameter	Values
Model Summary	Creates a new user in the ServiceNow system ensuring Daily Expense

The screenshot shows the ServiceNow Family Expenses list view. The top navigation bar includes 'servicenow', 'All', 'Favorites', 'History', 'Workspaces', and a search bar. The main title is 'Family Expenses'. The list table has columns: Number, Amount, Date, and Expense Details. Two records are listed:

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 a new user in the ServiceNow system ensuring family Expenditure
Accuracy	Execution Success Rate – 98% Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability based on test scenarios.

Daily expense creation:

Accuracy	Execution Success Rate – 98% Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability based on test scenarios.

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

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

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

Business Rule Creation :

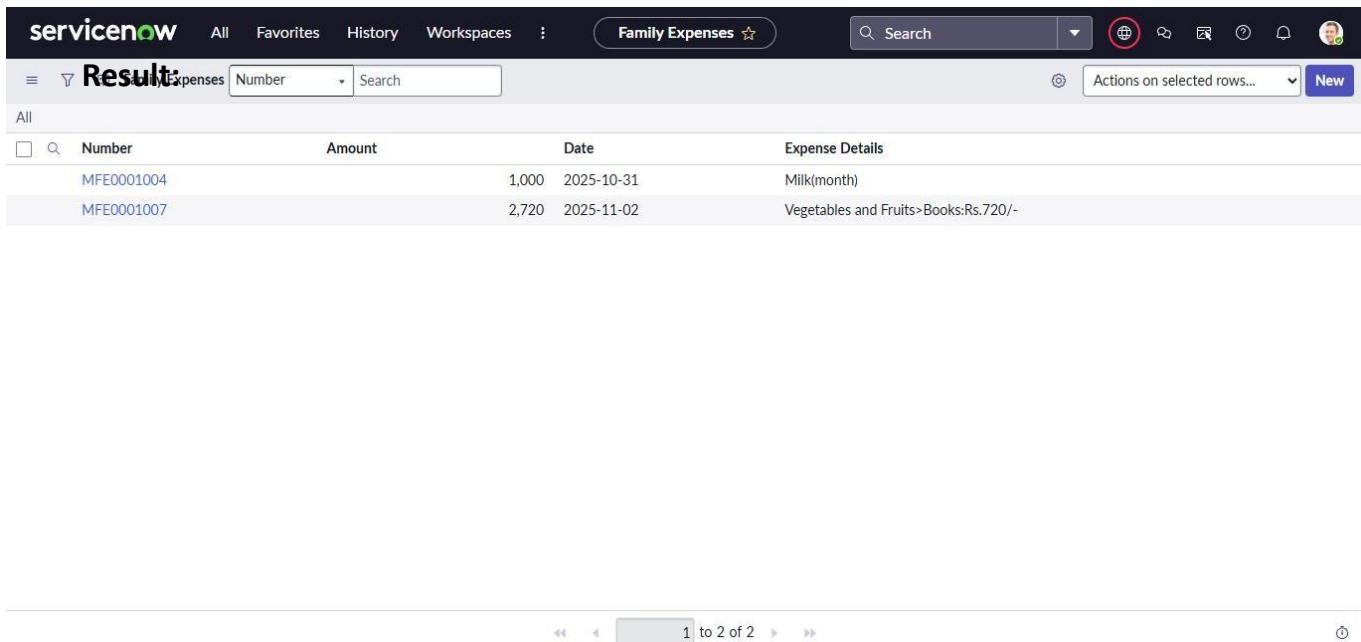
The screenshot shows a web-based application for creating a business rule. At the top, there's a navigation bar with 'All', 'Favorites', 'History', and a search bar. The main title is 'Business Rule - Family Expenses BR'. Below the title, there's a 'Condition' field, a 'Script' toggle switch (which is turned on), and a 'Turn on ECMAScript 2021 (ES12) mode' link. The central area is a code editor with syntax highlighting for ECMAScript. The code implements a business rule to handle daily expense creation:

```

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



The screenshot shows a ServiceNow interface for managing family expenses. The top navigation bar includes links for All, Favorites, History, Workspaces, and a search bar labeled "Family Expenses". Below the search bar is a "Result" section with a dropdown menu set to "Expenses" and a search input field. A "New" button is located in the top right corner.

The main content area displays a table of expense records:

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/-

At the bottom of the page, there is a navigation bar with icons for back, forward, and search, followed by a page number indicator "1 to 2 of 2" and a refresh icon.

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 entry rather than generating a duplicate record for the same date.

