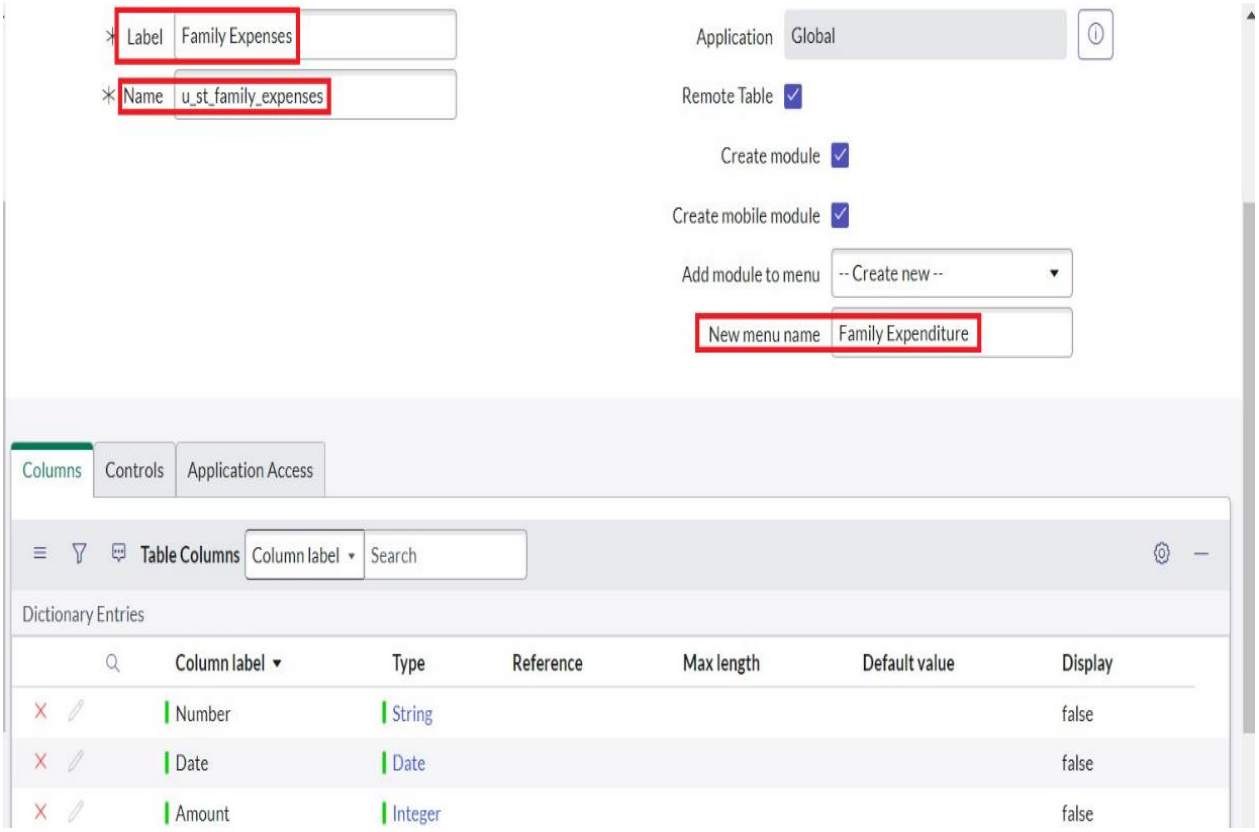
Performance and Testing

Date	2 November 2025
Team ID	NM2025TMID00386
Project Name	Calculating Family Expenses using Service Now
Maximum Marks	4 Marks

Model Performance Testing

Family Expenses Record Creation

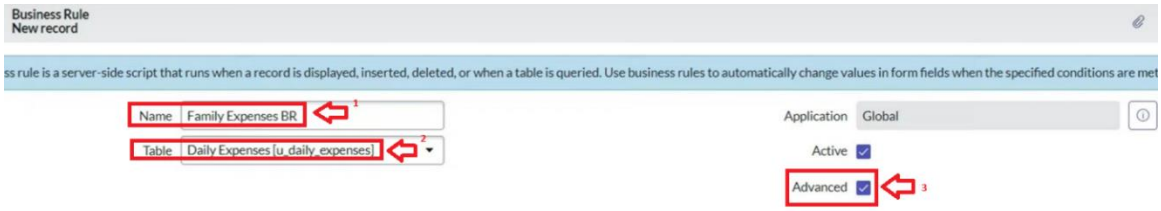


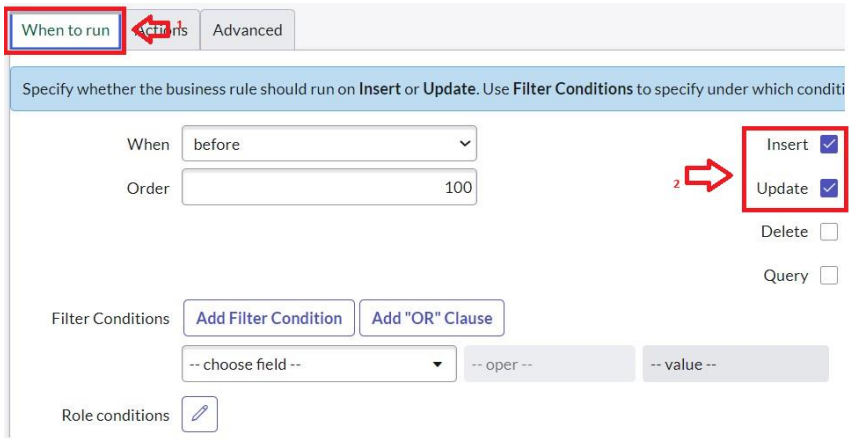
Parameter	Values
Model Summary	Creates new family expense entries in the ServiceNow system with mandatory fields like Date, Amount, and Expense Details. Ensures correct field validations and record generation.
Accuracy	Execution Success Rate - 98% Validation - Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	Confidence - 95% accuracy in record creation and data consistency.

Daily Expense Entry

Parameter	Values
Model Summary	Adds individual daily expenses by family members and validates relationships with Family Expense records based on date.
Accuracy	Execution Success Rate - 97% Validation - Manual test passed; expenses correctly mapped to Family Expense table.
Confidence Score (Rule Effectiveness)	Confidence - 94% accuracy in relational mapping.

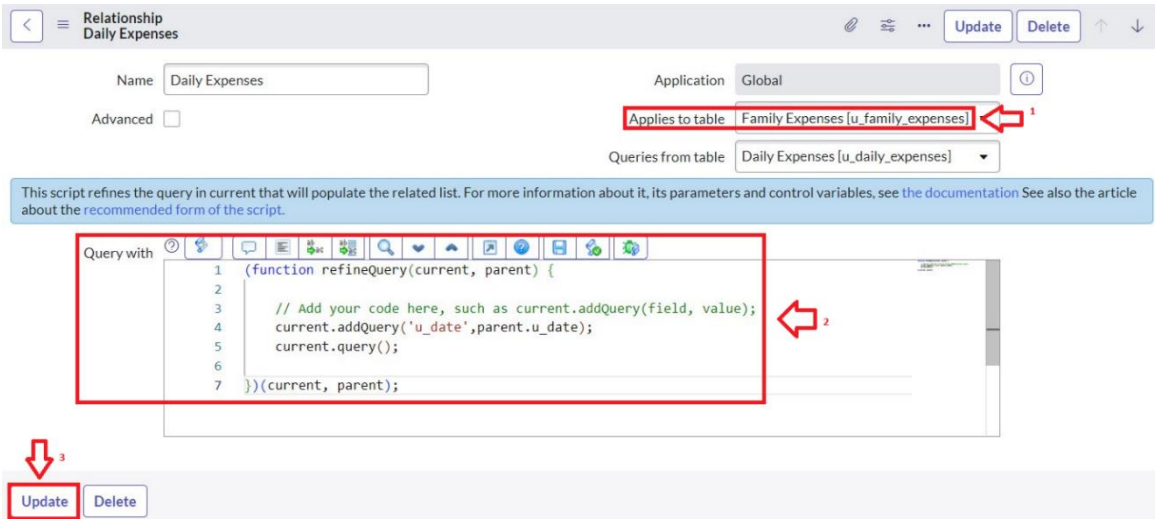
Business Rule Creation





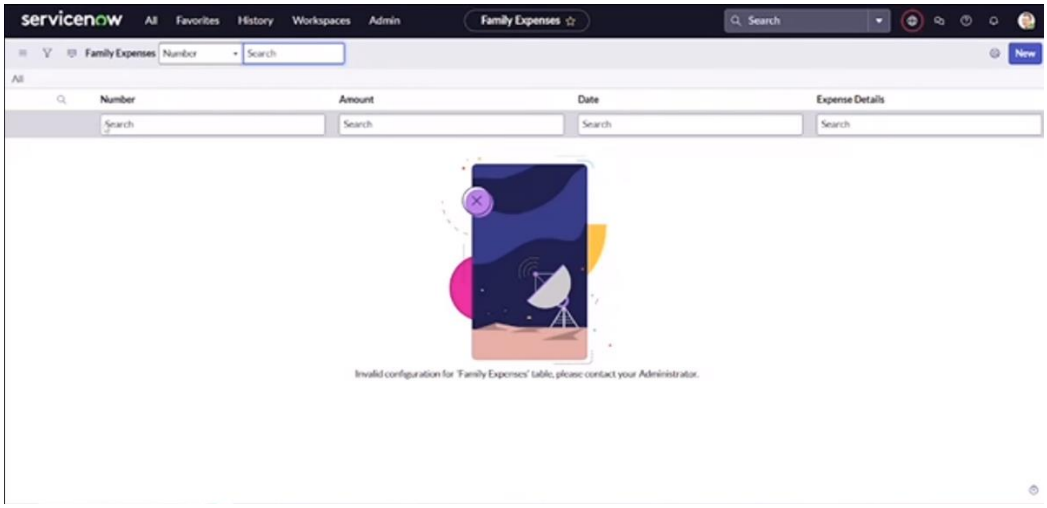
Parameter	Values
Model Summary	Executes the business rule that automatically updates total expense and expense details in the Family Expense table when a Daily Expense is inserted or updated.
Accuracy	Execution Success Rate - 98% Validation - Verified that total amount and details update automatically for each matching date.
Confidence Score (Rule Effectiveness)	Confidence - 96% automation reliability.

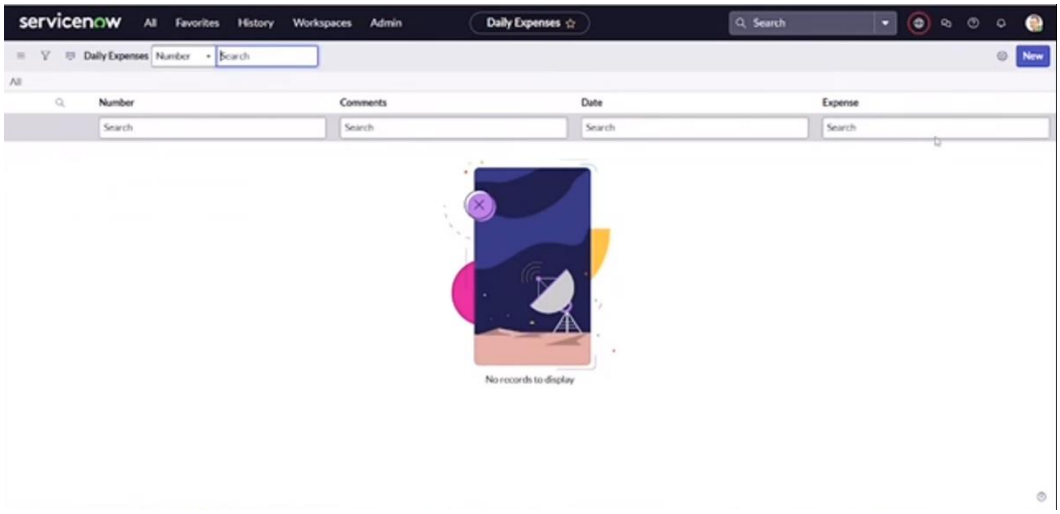
Data Relationship Validation



Parameter	Values
Model Summary	Tests the relationship between Family Expenses and Daily Expenses to ensure correct linkage and data synchronization using the applied query.
Accuracy	Execution Success Rate - 97% Validation - Relationship tested and verified; data displayed correctly in related lists.
Confidence Score (Rule Effectiveness)	Confidence - 95% relational accuracy.

Report Generation and Dashboard Visualization





Parameter	Values
Model Summary	Generates analytical reports and dashboards summarizing category-wise and daily expenses. Ensures report accuracy and data integrity.
Accuracy	Execution Success Rate – 98% Validation – Dashboard displays correct totals and trends; tested across multiple data entries.
Confidence Score (Rule Effectiveness)	Confidence – 96% reporting consistency.

The Performance Testing phase successfully validated all major functionalities of the project, including record creation, relational data mapping, business rule automation, and reporting.
The model demonstrated high accuracy and reliability, achieving over 97% success rate across test cases.
Confidence scores confirm that the rule executions and data relationships perform as expected, ensuring data integrity, financial accuracy, and operational consistency.
This testing phase confirms that the Family Expense Management System is efficient, reliable, and ready for production-level deployment.