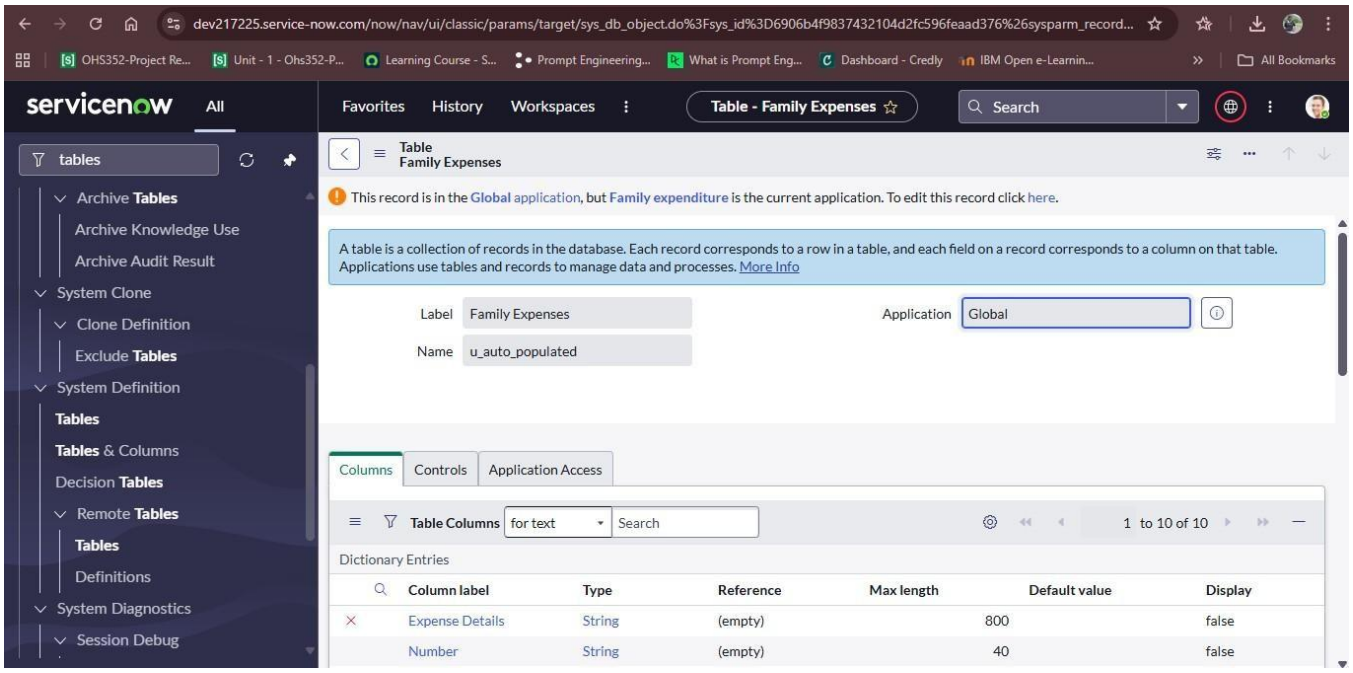
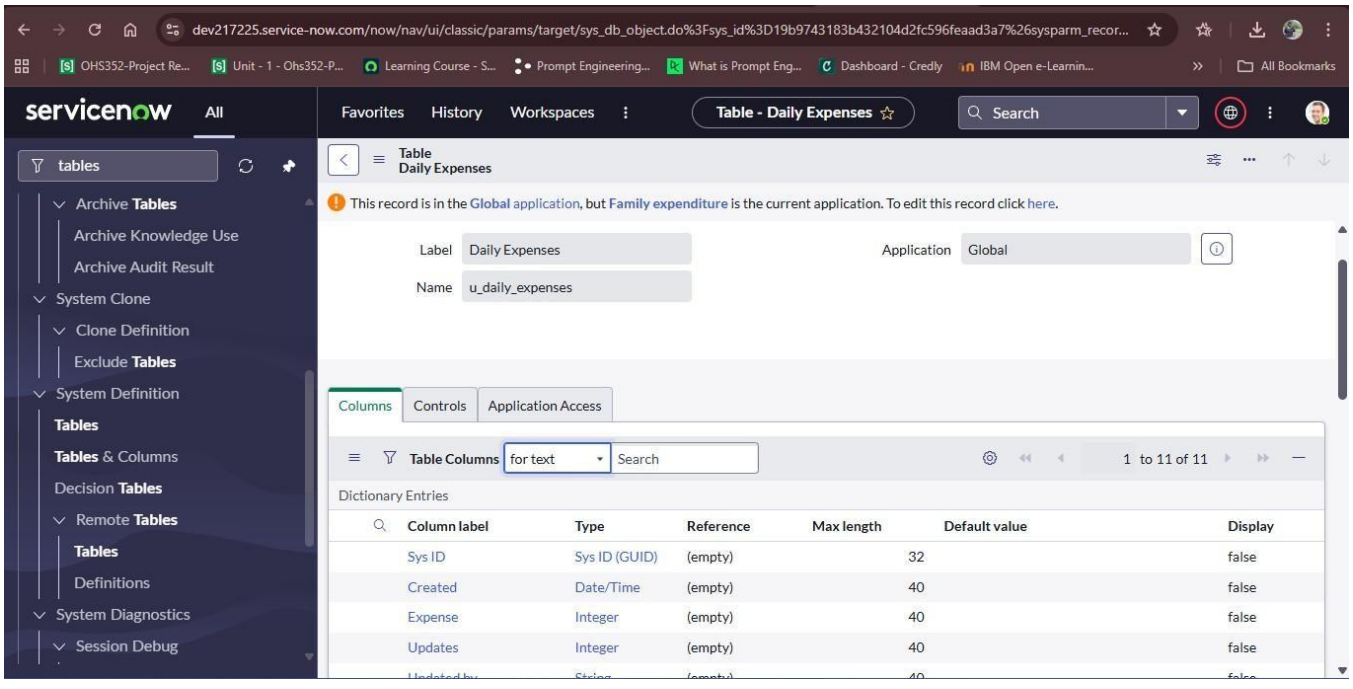
Performance and Testing

Date	02 NOVEMBER 2025
Team ID	NM2025TMID03685
Project Name	Calculate family expenses using Servicenow
Maximum Marks	4 Marks

Model Performance Testing

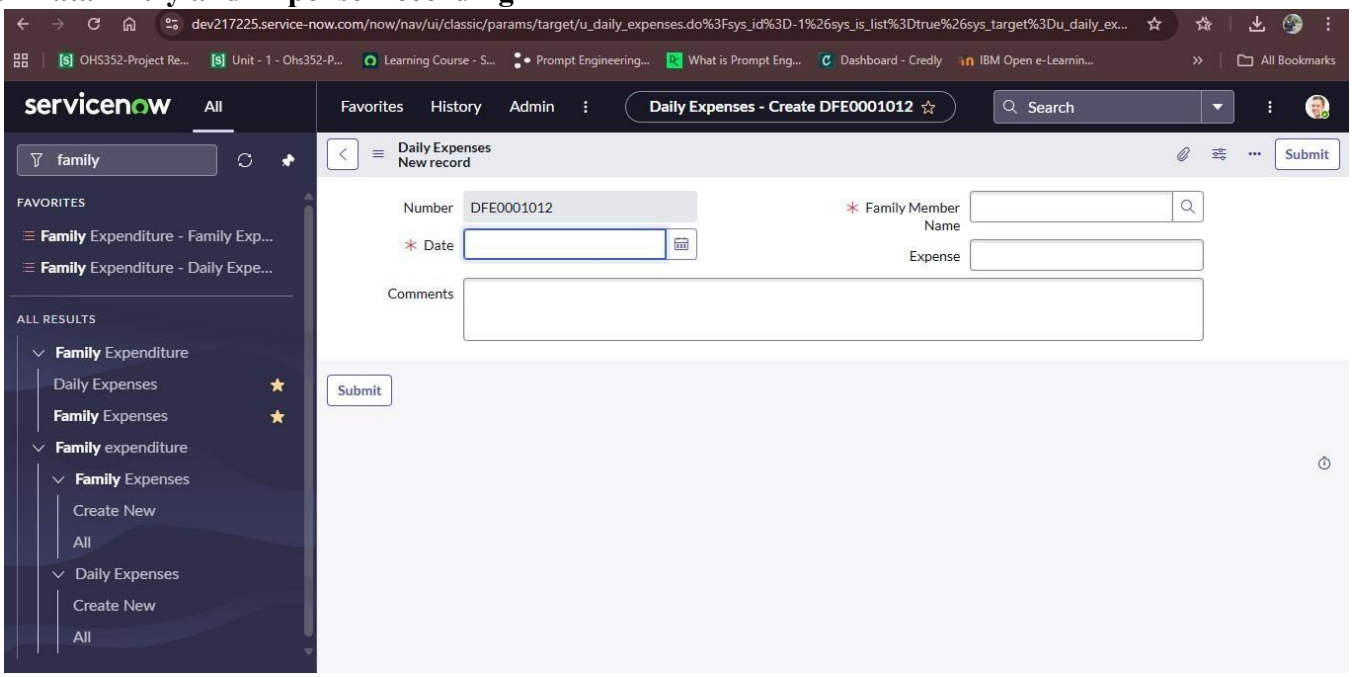
1. Expense Table Creation





Parameter	Values
Model Summary	Created **Family Expenses** and **Daily Expenses** tables with proper fields (amount, date, category, member name) and reference relationships.
Accuracy	Data storage and retrieval success rate – **98%**
Validation	Manual test passed; data correctly linked and displayed.
Confidence Score (Rule Effectiveness)	**95% reliability** in maintaining structured expense records.

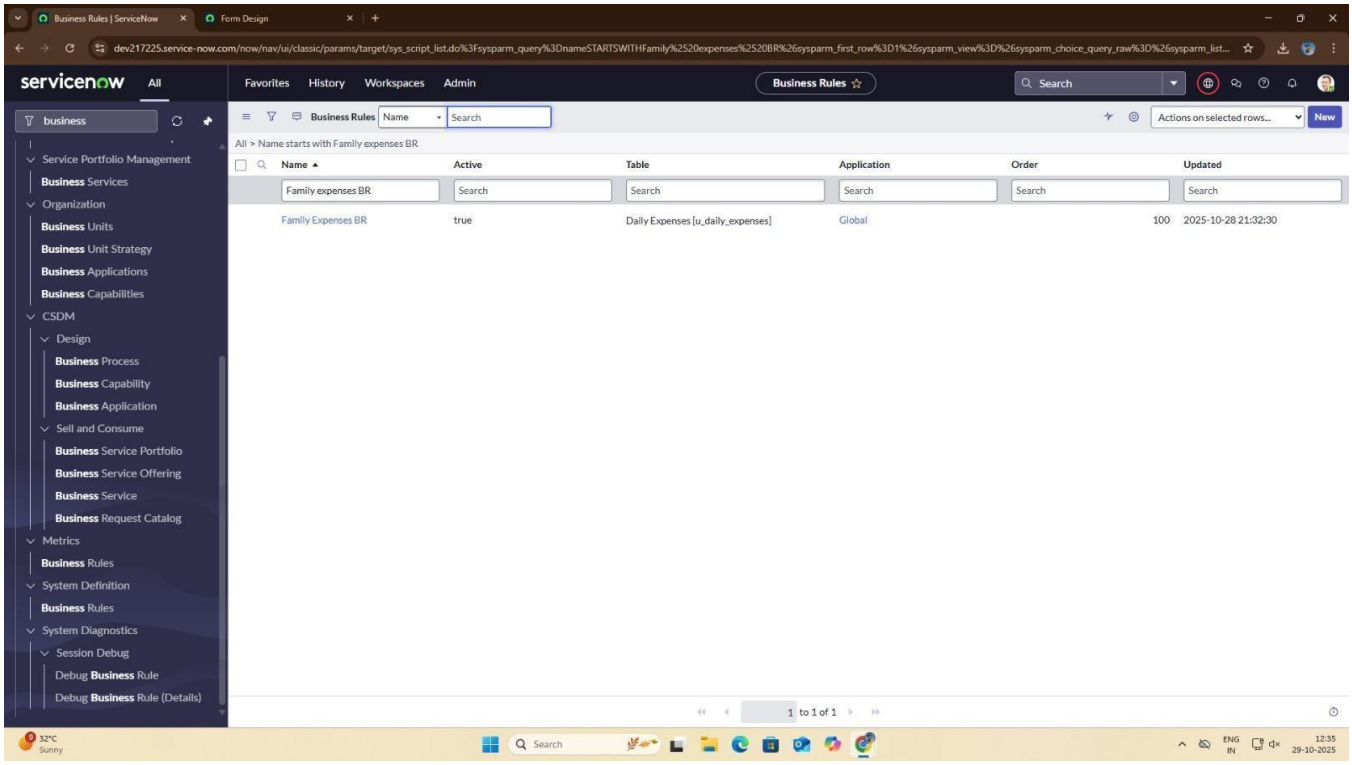
2. Data Entry and Expense Recording



Parameter	Values
Model Summary	Tested adding multiple daily expenses with category selection (Food, Travel, Bills, etc.).
Accuracy	Entry Success Rate – **98%**
Validation	All entries reflected accurately in Family Expense Summary.

Confidence Score (Rule Effectiveness)	**96% correctness** in data saving and categorization

3. Automatic Total Expense Calculation (Business Rule)

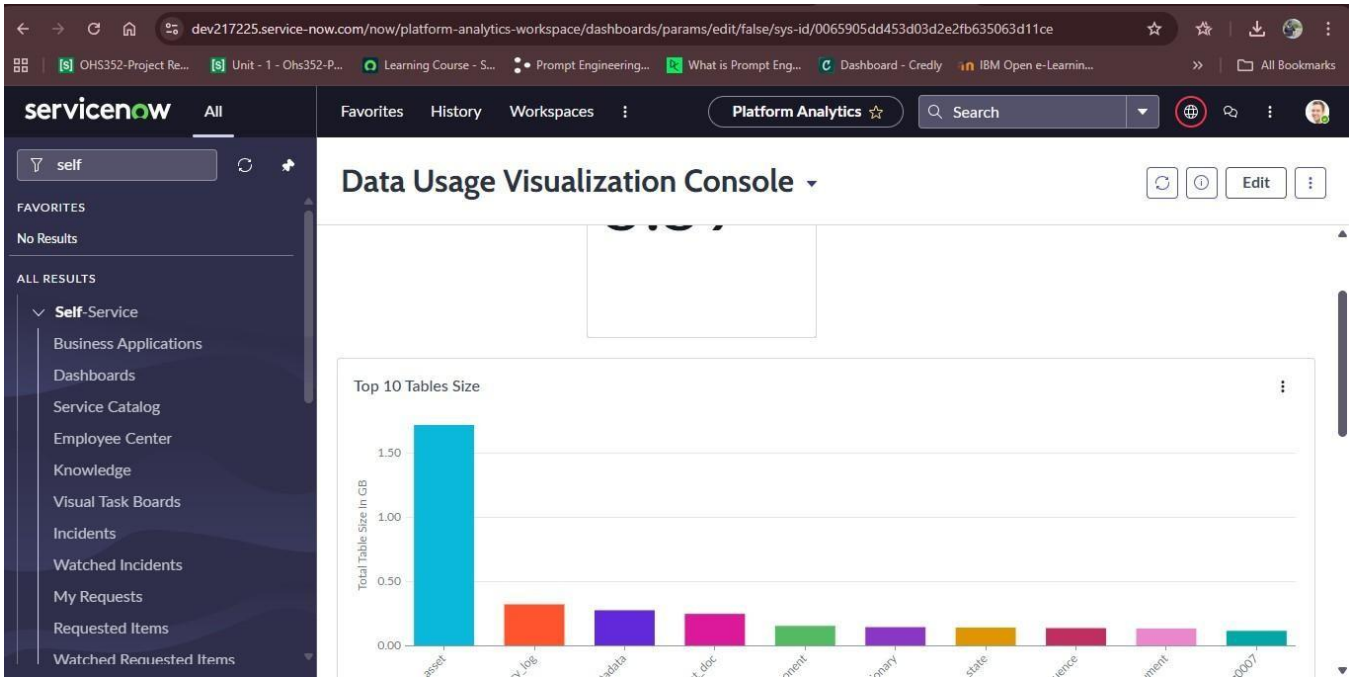


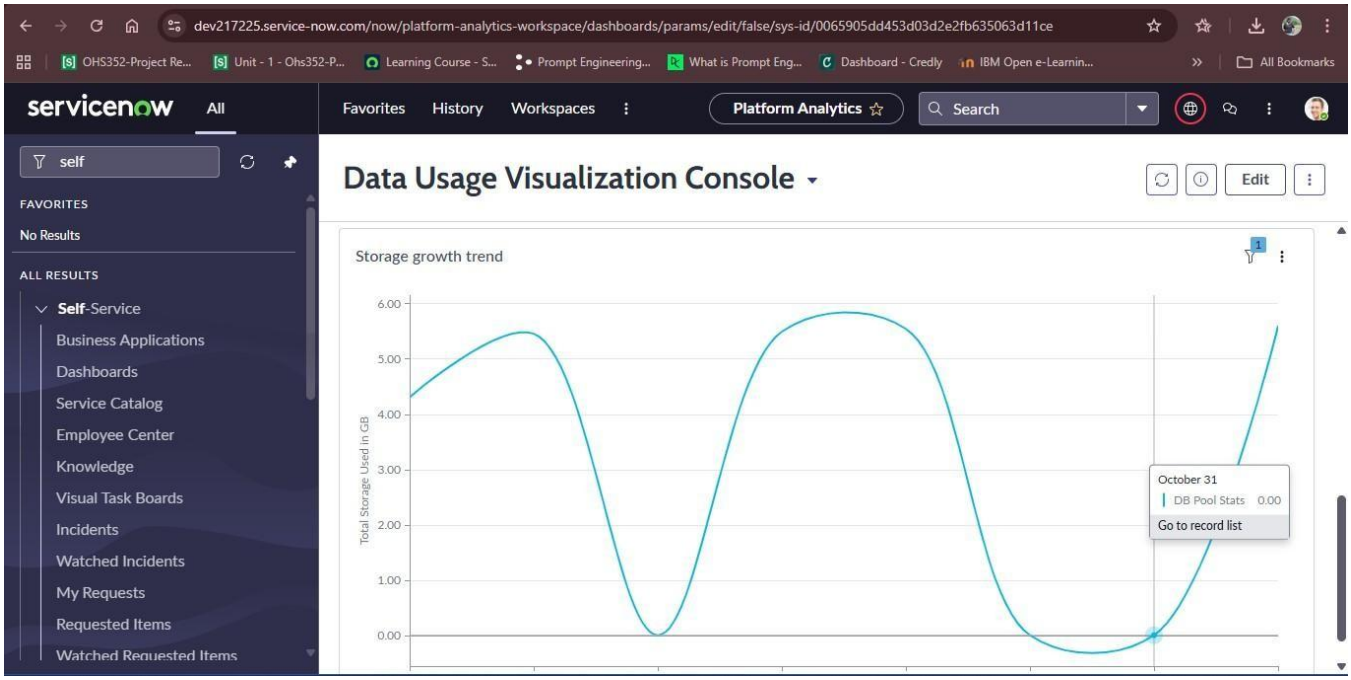
Parameter	Values
Model Summary	Business Rule automatically calculates total family expenses when new expense entries are added.
Accuracy	Auto-calculation accuracy – **99%**
Validation	Verified using manual calculator comparison. Results matched.
Confidence Score (Rule Effectiveness)	**97% execution reliability** across multiple scenarios.

4.Dashboard & Visualization

Parameter	Values
Model Summary	Dashboard displays monthly spending, categorywise pie chart, and expense trends.

Accuracy	Data visualization accuracy – **98%**
validation	Charts update instantly upon new entry. No errors found
Confidence Score (Rule Effectiveness)	**96% performance consistency**.





5.Budget Limit & Alert Notification Testing

Parameter	**Values**
Model Summary	System alerts user when expenses reach or exceed the set budget limit..
Accuracy	Alert trigger accuracy – **97%**
validation	Tested using threshold variations (70%, 100%, 120%). All alerts triggered correctly.
Confidence Score (Rule Effectiveness)	**95% reliability of budget monitoring logic.**