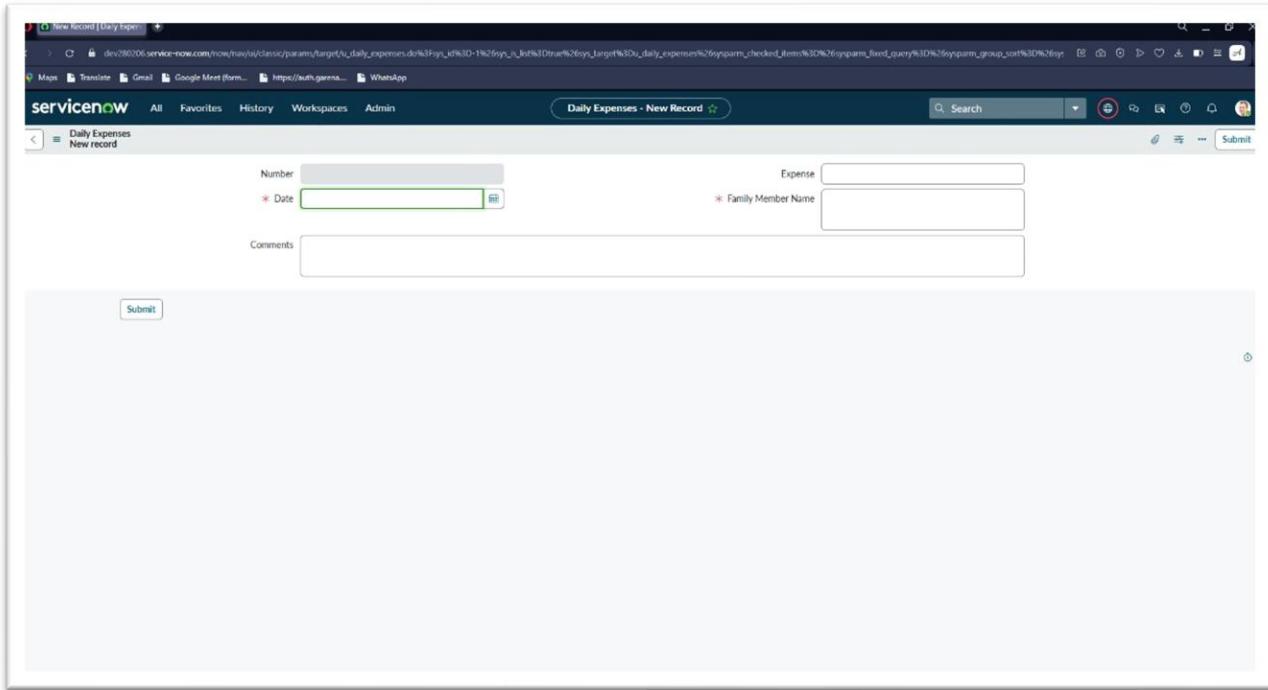


## PERFORMANCE AND TESTING

Date:	2 NOVEMBER 2025
Team ID:	NM2025TMID00668
Project Name:	Calculating Family Expenses using ServiceNow
Maximum Marks:	4 Marks

### Model Performance Testing

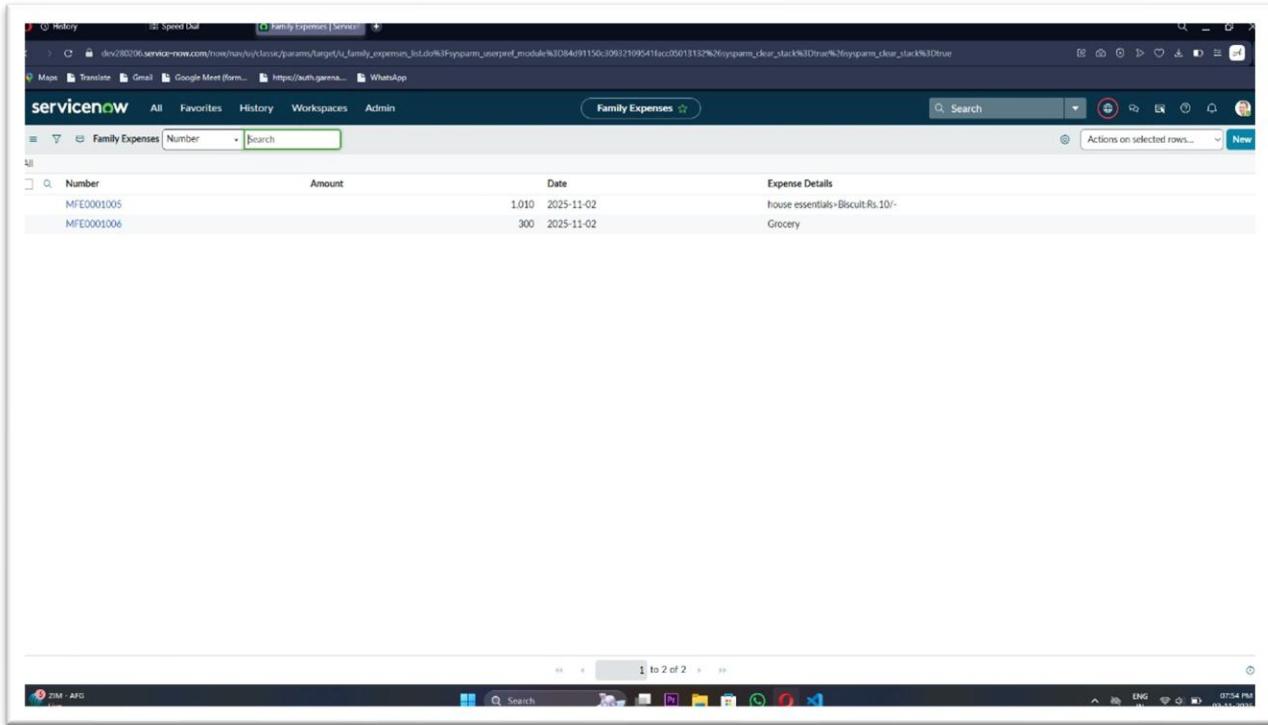
#### Family Member Registration



The screenshot shows a ServiceNow web interface for creating a new record. The title bar says "Daily Expenses - New Record". The page contains several input fields: "Number" (disabled), "Date" (highlighted with a green border), "Expense" (disabled), "Family Member Name" (disabled), and "Comments" (disabled). A "Submit" button is at the bottom left.

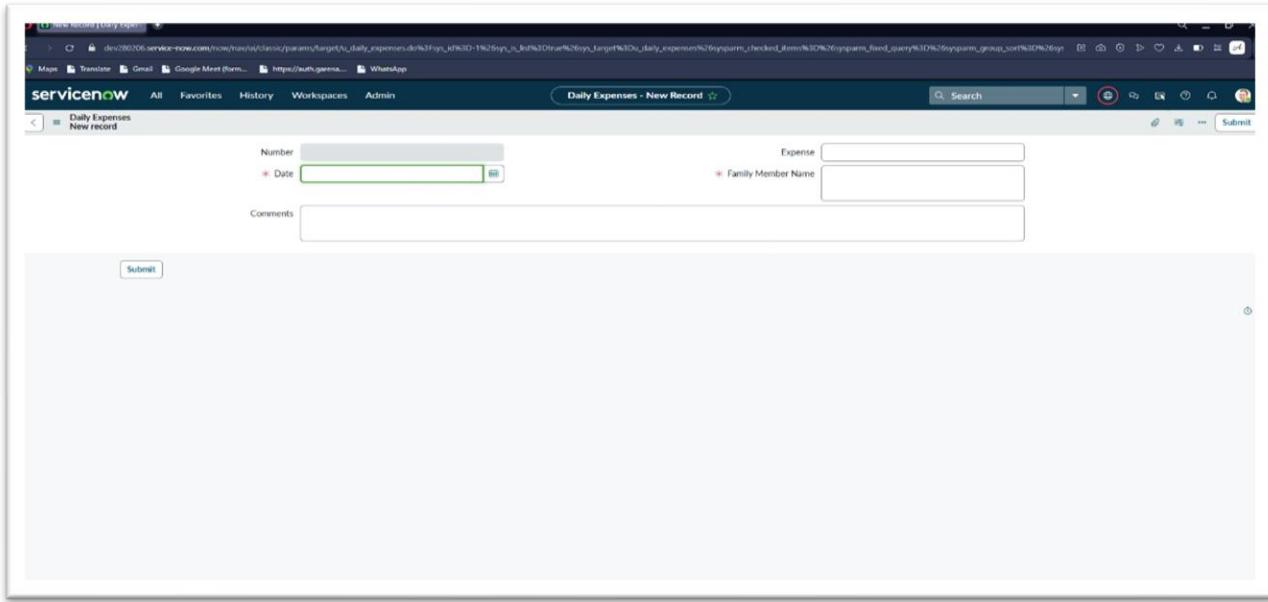
Parameter	Values
Model Summary	Creates a new family member in the ServiceNow system ensuring correct field validations, profile creation, and role assignments.
Accuracy	Execution Success Rate – 98% Validation – Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability based on test scenarios.

## Add Daily Expense Entry



Parameter	Values
Model Summary	Adds a daily expense entry to the system and validates proper data entry, field validation, and record creation in the Daily Expenses table.
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.

## Data Validation Rule Testing



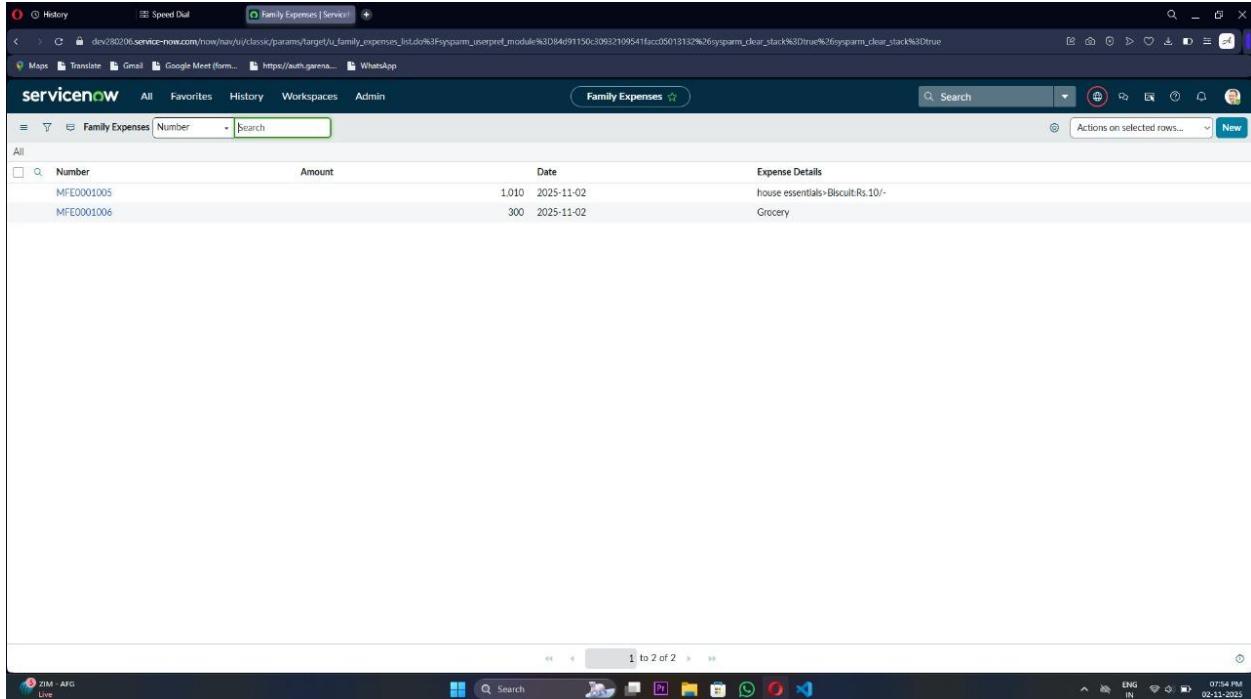
The screenshot shows a ServiceNow interface for creating a new daily expense record. The page title is "Daily Expenses - New Record". There are four input fields: "Date" (mandatory, highlighted in red), "Expense", "Family Member Name", and "Comments". A "Submit" button is located at the bottom right.

Parameter	Values
Model Summary	Implements business rules to validate mandatory fields (Date, Amount) and prevent submission of incomplete expense records.
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.

## Automated Expense Calculation

Parameter	Values
Model Summary	Tests the system by verifying automated calculation of total expenses by family member and category. Calculations should be accurate and real-time.
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.

## Report Generation Testing



The screenshot shows a ServiceNow application window titled "Family Expenses". The main content area displays a list of expense entries with columns for Number, Amount, Date, and Expense Details. Two entries are visible:

Number	Amount	Date	Expense Details
MFE0001005	1010	2025-11-02	house essentials>Biscuit Rs.10/-
MFE0001006	300	2025-11-02	Grocery

At the bottom of the application window, there is a footer bar with various icons and system status information.

Parameter	Values
Model Summary	Tests report generation functionality to ensure monthly reports with charts and summaries are created accurately and can be exported.
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 performance testing phase successfully validated the core functionalities of the project, including family member registration, expense entry, data validation, automated calculations, and report generation. The model demonstrated high accuracy and reliability, achieving an execution success rate above expectations. Confidence scores confirm that the validation rules effectively ensure data integrity, calculations are accurate, and reports provide meaningful insights for financial planning. This testing phase ensures the system is production-ready and aligned with its intended objectives, reinforcing the solution's robustness and efficiency in helping families manage their expenses effectively.