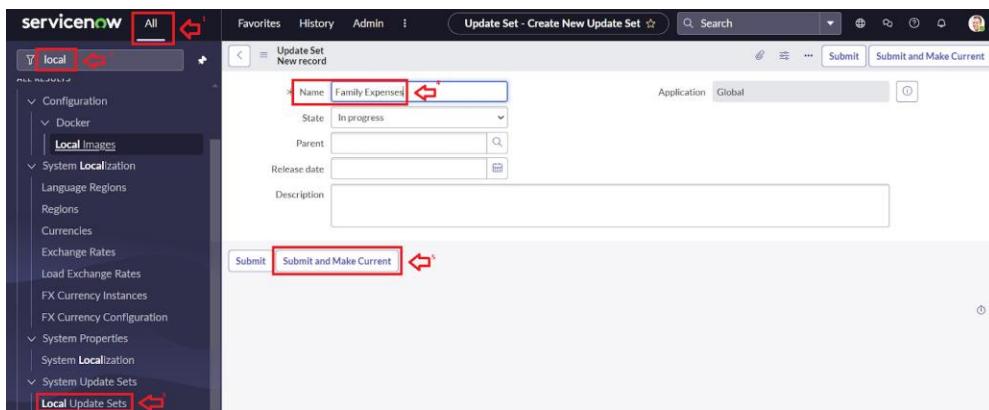


# Requirement Analysis Phase

## 1. Functional Requirements:

- Add daily expenses (date, amount, family member, comments).
- Automatic update of total family expenses.
- Generate summary and detailed expense reports.
- Track expenses by date and family member.



## 2. Non-Functional Requirements:

- Easy-to-use interface for all family members.
- Accurate and real-time expense calculations.
- Secure access to prevent unauthorized changes.
- Scalable to handle multiple family members and daily entries.

### 3. Data Requirements:

- **Daily Expenses Table:** Number, Date, Expense, Family Member Name, Comments.

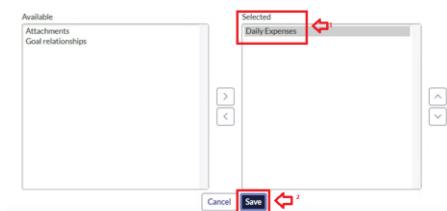


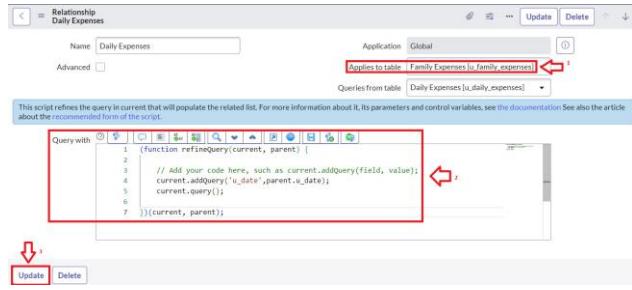
- **Family Expenses Table:** Number, Date, Total Amount, Expense Details.

The screenshot shows a configuration screen for creating a new table. At the top, there are fields for 'Label' (set to 'Family Expenses') and 'Name' (set to 'u.st.family\_expenses'). Below these, there are checkboxes for 'Create module' and 'Create mobile module'. In the 'Application Menu' section, a dropdown menu is open with an item labeled 'New menu name: Family Expenditure' highlighted. A red box highlights the 'Name' field. Below the main configuration area, there is a table titled 'Dictionary Entries' with columns for 'Column label', 'Type', 'Reference', 'Max length', 'Default value', and 'Display'. The table contains three rows: 'Number' (String), 'Date' (Date), and 'Amount' (Integer). The 'Display' column for all rows is set to 'false'.

Column label	Type	Reference	Max length	Default value	Display
Number	String				false
Date	Date				false
Amount	Integer				false

- Relationship linking Daily Expenses to Family Expenses.





## 4. Technical Requirements:

- ServiceNow Developer Instance for development and testing.
- Knowledge of tables, forms, and business rules in ServiceNow.
- Internet-enabled device for accessing the platform.

## 5. Constraints:

- Dependent on ServiceNow platform availability.
- Limited to features in the free Developer Instance.
- Users need basic familiarity with forms to enter data.