

Calculating the Family Expenses

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Category: ServiceNow

Project Report: Calculating Family Expenses Using ServiceNow

1. Introduction

The project aims to develop a comprehensive expense calculation system using ServiceNow. This system will enable users to track and manage family expenses efficiently. It will include features such as expense categorization, budget setting, real-time tracking, and reporting capabilities. Utilizing ServiceNow's robust platform, the project will ensure seamless integration, user-friendly interface, and scalability to accommodate varying family sizes and financial complexities. The end goal is to empower users with the tools they need to make informed financial decisions and promote financial well-being within the family unit.

2. Objectives

- Design and set up ServiceNow instance for expense management.
- Enable creation of tables to store Family Expenses and Daily Expenses.
- Configure relationships between Family Expenses and Daily Expenses tables.
- Implement expense categorization and auto-numbering for records.
- Configure related lists to visualize expenses in a structured manner.
- Create business rules for automatic calculations and validations.
- Ensure scalability and user-friendliness of the system.

3. Methodology & Implementation

3.1 Setting Up ServiceNow Instance

3.2 Creation of New Update Set

3.3 Creation of Table

- Creation of Family Expenses Table
- Creation of Columns (Fields)
- Making Number Field an Auto-Number
- Configure the Form

3.4 Creation of Table (Daily Expenses)

- Creation of Daily Expenses Table
- Creation of Columns (Fields)
- Making Number Field an Auto-Number
- Configure the Form

3.5 Creation of Relationship

- Creation of Relationship Between Family Expenses and Daily Expenses Tables

3.6 Configuring Related List on Family Expenses

- Configuring Related List on Family Expenses

3.7 Creation of Business Rules

- Creation of Business Rules

3.8 Configure the Relationship

- Configure the Relationship

4. Performance Testing

The system was tested with sample expense records for different categories. The following were validated:

- Expenses were successfully added and categorized.
- Relationships between Family and Daily Expenses were correctly configured.
- Business rules executed as expected (e.g., automatic total calculation).
- Forms and related lists displayed accurate information.

5. Key Learnings

Technical Learnings:

- Gained hands-on experience with ServiceNow table creation, relationships, and forms.
- Implemented business rules for automation and validation.
- Learned configuring related lists for better visualization.

Personal Learnings:

- Improved documentation and project planning skills.
- Enhanced problem-solving abilities by applying ServiceNow features to a real-life scenario.
- Gained insights into financial management systems.

6. Conclusion

This project successfully demonstrated how ServiceNow can be leveraged to manage family expenses. By creating structured tables, configuring relationships, and implementing business rules, the system allows efficient tracking, categorization, and analysis of expenses. The solution is scalable, user-friendly, and provides valuable insights to promote financial well-being.