**CALCULATING**

**FAMILY EXPENSE**

**USING SERVICENOW**

**INDRODUCTION**

This project uses ServiceNow to calculate and manage family expenses.

* It allows users to track daily spending, categorize expenses, set budgets, and view reports in real-time. With features like seamless integration, user-friendly interface, and scalability, it supports families of different sizes and financial needs.
* The system helps users make informed financial decisions, stay organized, and improve overall financial well-being within the family.

**SETTING UP SERVICENOW INSTANCE**

* The "Setting Up ServiceNow Instance" module guides users to create their own ServiceNow developer instance.
* It involves signing up on the ServiceNow Developer site, requesting a personal instance, filling details, and receiving login credentials via email.
* Once logged in, users can access and navigate ServiceNow For further project development

**CREATION OF NEW UPDATE SET**

* The "Creation of New Update Set" module helps track and manage changes in ServiceNow.
* By creating an update set named Family Expenses, users can save customizations, submit, and make it current for project development.

**CREATION OF TABLE**

**CREATION OF FAMILY EXPENSES TABLE**

* The "Creation of Family Expenses Table" module works by creating a new table in ServiceNow named Family Expenses.
* It stores expense records systematically, enabling users to organize, manage, and track family financial data efficiently for better analysis.

**CREATION OF COLUMNS(FIELDS)**

* The "Creation of Columns (Fields)" module works by adding specific fields like Number, Date, Amount, and Expense Details to the Family Expenses table.
* These fields store structured data, making it easy to record, categorize, and analyze expenses, helping families monitor financial activities effectively.

**MAKING NUMBER FIELD AN AUTO-NUMBER**

* The "Making Number Field an Auto-Number" module works by automatically generating unique IDs for each expense record.
* It ensures systematic tracking, prevents duplicates, and simplifies identifying entries, making data management and referencing in the Family Expenses table efficient.

**CONFIGURE THE FORM**

* The "Configure the Form" module works by customizing the Family Expenses form layout in ServiceNow.
* It lets you drag and drop fields, set Number as read-only, and make Date and Amount mandatory.
* This ensures proper data entry, validation, and structured record management.

**CREATION OF TABLE(DAILY EXPENSES)**

**CREATION OF DAILY EXPENSES TABLE**

* The "Creation of Daily Expenses Table" module works by building a separate table to record day-to-day spending details.
* It is linked to the Family Expenses module for better tracking. Users can input daily expense records, save them, and analyze spending patterns, helping in organized financial management.

**CREATION OF COLUMNS(FIELDS)**

* This module works by creating and managing tables in ServiceNow. You add columns for details like number, date, expenses, family member name, and comments.
* Each column is assigned a type (string, date, integer, reference).
* It is used to organize, store, and track daily expenses systematically for easy reporting and analysis.

**MAKING NUMBER FIELD AN AUTO-NUMBER**

* An auto-number field in a database automatically assigns a unique number to each record.
* It's used for creating unique identifiers like IDs.
* Steps include setting the field to auto-number via advanced view, using "Get Next Displayed value" for dynamic default.

**CONFIGURE THE FORM**

* An auto-number field assigns unique IDs. To use it: configure form, set field to auto-number, and save.
* It works by automatically generating sequential numbers for each record, ensuring unique identifiers for data management and organization purposes efficiently.

**CREATION OF RELATIONSHIP**

**CREATION OF RELATIONSHIP BETWEEN FAMILY EXPENSES AND DAILY EXPENSES TABLES**

* Creates a relationship between "Family Expenses" and "Daily Expenses" tables.
* Use by opening Relationships, clicking New, entering details (tables: Family Expenses & Daily Expenses), and saving.
* Links tables for data management and analysis of expenses across both tables efficiently.

**CONFIGURING RELATED LIST ON FAMILY EXPENSES**

* Creates a relationship between tables. Use by opening Relationships, clicking New, selecting tables (e.g., Family Expenses & Daily Expenses), and saving.
* Links tables for data management and analysis of expenses across both tables efficiently and effectively now.

**CREATION OF BUSINESS RULES**

* Creates business rules linking "Family Expenses" DB to "Daily Expenses" table. Use to manage data relations, insert, and update operations efficiently.
* Executes rule on current record in Family Expenses, adds query, iterates, updates amount, expense details, comments in code snippet.
* This appears to be a project management or coding interface. It uses guided projects, workspaces, and coding for tasks like managing family expenses.

**CONFIGURE THE RELATIONSHIP**

* Configures relationships in Daily Expenses app. Uses filter search for Relationships, sets Family Expenses table, writes query for parent linkage.

**CONCLUSION**

* The "Calculating Family Expenses" project in ServiceNow successfully streamlined expense tracking and management.
* By leveraging ServiceNow's features, it automated calculations, improved data accuracy, and enhanced family financial planning.
* The project demonstrated effective use of technology for practical financial management, yielding efficient and organized expense tracking.
* With automated workflows and real-time updates, family members can easily monitor expenses, make informed decisions, and maintain financial discipline.
* This project showcases ServiceNow's versatility beyond enterprise IT, applying its capabilities to personal finance management for improved efficiency and control.
* Overall, it was a resounding success.

**THANK YOU**

**-TEAM**

**G SUGANYA,M SOUNDHARYA**

**M SOWNDARYA,M SIYAMALA**