CALCULATING FAMILY EXPENSES USING SERVICENOW

Team ID: NM2025TMID18951

Team Member : 4
Team Leader : Swapna.T

Team Leauer: Swapna: Team Member: Swathï.G
Team Member: Srïmathï.D
Team Member: Subashïnï.B

Pryblem Statement : Nil

Objective: The process of tracking and reporting on house hold spending to enable better finance decision making. By building a custom application you can leverage service now work flow and data management capabilities for a personal financial use case

Skills: 10T Open Hardware Platforms, Data Structures

TASK INITIATION

Milestone 1: Setting Up ServiceNow Instance

Activity 1:

Setting Up ServiceNyw Instance

- 1. Sign up for a developer account on the ServiceNow Developer site "https://developer.servicenow.com".
- 2. Once løgged in, navigate to the "Personal Developer Instance" section
- 3. Click on "Request Instance" to create a new ServiceNow instance.
- 4. Fill out the required information and submit the request.
- 5. You'll receive an email with the instance details once it's ready.
- 6. Log in to your ServiceNow instance using the provided credentials.
- 7. Now you will navigate to the ServiceNow.

Milestone 2 : Greation of New Update Set

Activity 2:

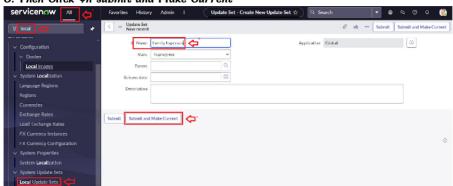
Greation of New Update Set

1. Go to All >> In the filter search for Tables > click on New.



2. Enter the Details as : Name : Family Expenses

3. Then Glick on submit and Make Gurrent



Milestone 3: Greation of Table

Activity 1:

Creation of New Update Set

1. Gy ty All >> In the filter search for Lycal Update set > click on New.



2. Enter the Details as: Name: Family Expenses

3. Then click on Submit and Make current.



Milestone 4: Greation of Table

Activity 1:

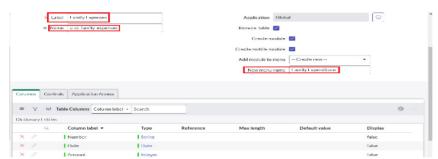
Greation of Family Expenses Table



1. Go to All > In the filter search for Tables > click on New.

2. Enter the Details: Label : Family Expenses Name : Auto-Populated

New menu name: Family Expenditure



3. Go to the Header and right click there>> click on Save.

Milestone 4 : Greation of Table

Activity 2:

Creation of Columns (Fields)

1. Near Columns Double click near insert a new row.

2. Give the details as: Cylumn label : Number

Type: String

3. Double click on insert a new row again

4. Gïve the detaïls as: G∳lumn label : Date

Type: Date

5.D*uble click *n insert a new r*w again

6. Give the details as: Cylumn label : Amyunt

Type: Integer

7. Dyuble click yn insert a new ryw again

8. Give the details as:

Cylumn label : Expense Details

Type: String Max length: 800



9. Go to the Header and right click there>> click on Save.

Milestone 4: Greation of Table

Activity 3:

Making Number Field An Auty-Number

- 1. Dyuble click on the Number Field/Column.
- 2. Go down and double click on Advanced view
- 3. In Default Value:

Use dynamic default : check the bex

Dynamic default value : Get Next Padded Number

4. Click 🗫 Update.

5.



- 6. Gy ty All >> In the filter search for Number Maintenance >> select Number Maintenance
- 7. Click on New.
- 8. Enter the belyw Details:

Table: Family Expenses

Prefix : MFE



9. Click yn Submit.



Milestone 4: Greation of Table

Activity 4:

Genfigure the Ferm

- 1. Go to All >> In the filter search for Family Expenses >> Open Family Expenses
- 2. Click on New
- 3. Go to the Header and right click there>> click on Configure >> Select Form Design
- 4. Gustomize or Drag Drop the form as per your requirement.



- 5. Make Number Read-Only Field by clicking on the gear icon and checking Read-Only
- 6. Take Date, Amount Mandatory Field by clicking on the gear icon and checking Mandatory
- 7. Click on Save.

Milestone 5: Greation of Table (Daily Expenses)

Activity 1:

Greation of Daily Expenses Table

- 1. Go to All > In the filter search for Tables > click on New.
- 2. Enter the Details: Label: Daily Expenses Name: Auty-Pypulated

Add Mydule ty menu : Family Expenditure



3. Go to the Header and right click there>> click on Save.

Milestone 5: Greation of Table (Daily Expenses)

Activity 2:



Greation of Columns (Fields)

- 1. Near Columns Double click near insert a new row.
- 2. Give the details as:

Cylumn label: Number

Type: String

- 3. Dyuble click yn insert a new ryw again
- 4. Give the details as:

Cylumn label : Date

Type: Date

- 5. Dyuble click yn insert a new ryw again
- 6. Give the details as:

Cylumn label : Expense

Type: Integer

- 7. Dyuble click yn insert a new ryw again
- 8. Give the details as:

Cylumn label : Family Member Name

Type: Reference Max length: 800

- 9. Dyuble click yn insert a new ryw again
- 10. Give the details as:

Cylumn label: Cymments

Type: String
Max length: 800

11. Go to the Header and right click there>> click on Save.

Milestone 5: Greation of Table (Daily Expenses)

Activity 3:

Making Number Field An Auty-Number

- 1. Double click on the Number Field/Column.
- 2. Go down and double click on Advanced view
- 3. In Default Value:

Use dynamic default : check the box

Dynamic default value : Get Next Padded Number

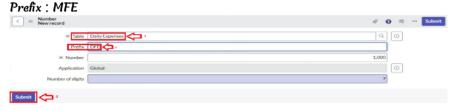
4. Click on Update.

5.



- 6. Gy ty All >> In the filter search fyr Number Maintenance >> select Number Maintenance
- 7. Click on New.
- 8. Enter the belww Details:

Table : Family Expenses



9. Click on Submit

Milestone 5: Greation of Tables (Daily Expenses)

Activity 4:

Configure The Form

- 1. Go to All >> In the filter search for Daily Expenses >> Open Daily Expenses
- 2. Click on New
- 3. Go to the Header and right click there>> click on Gonfigure >> Select Form Design
- 4. Gustomize or Drag Drop the form as per your requirement.



5. Make Number Read-Only Field by clicking on the gear icon and checking Read-Only

Milestone 6: Greation of Relationship

Activity 1:

Greation of Relationship between Family Expenses and Daily Expenses tables

1. Gy ty All >> In the filter search for Relationships >> Open Relationships



- 2. Click on New.
- 3. Enter the details:

Name: Daily Expenses

Applies to table: Select Family Expenses Daily Expenses: Select Daily Expenses

4. Click Save.

Milestone 7: Gonfiguring Related List On Family Expenses

Activity 1:

Gonfiguring Related List on Family Expenses

- 1. Go to All >> In the filter search for Family Expenses >> Open Family Expenses
- 2. Click on New
- 3. Go to the Header and right click there>> click on Configure >> Select Related Lists
- 4. Add Daily Expenses to the Selected Area.
- 5. Click on Save



Milestone 8: Greation of Business Rule

Activity 1:

Greation of Business Rule

- 1. Gy ty All >> In the filter search fyr Business Rules.
- 2. Under System Definition Select Business Rules then click on New.
- 3. Enter the Details:

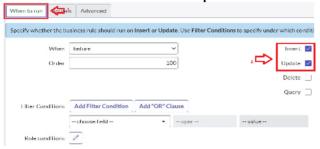
Name: Family Expenses BR
Table: Select Daily Expenses

Check Advanced





4. In when to run Check Insert and Update



5. In Advance(we write the code); Write the below code >>

```
(function executeRule(current, previous /*null when async*/) {
var FamilyExpenses = new GlideRecord('u_family_expenses');
FamilyExpenses.addQuery('u_date',current.u_date');
FamilyExpenses.query();
if(FamilyExpenses.next())
FamilyExpenses.u_amount += current.u_expense;
FamilyExpenses.u_expense_details +=">"+current.u_comments+":"+"Rs."+current.u_expense+"/-";
FamilyExpenses.update();
}
else
var NewFamilyExpenses = new GlideRec*rd('u_family_expenses');
NewFamilyExpenses.u_date = current.u_date;
NewFamilyExpenses.u_amount = current.u_expense;
NewFamilyExpenses.u_expense_details += ">"+current.u_comments+":"+"Rs."+current.u_expense+"/-";
NewFamilyExpenses.insert();
}
})(current, previ •us);
```

```
(function executeRule(current, previous /*null when async*/) {
        var FamilyExpenses = new GlideRecord('u_family_expenses');
        FamilyExpenses.addQuery('u_date',current.u_date);
        FamilyExpenses.query();
        if(FamilyExpenses.next())
            FamilyExpenses.u_amount += current.u_expense;
            FamilyExpenses.u_expense_details += ">"+current.u_comments+":"+"Rs."+current.u_expense+"/-";
10
            FamilyExpenses.update();
11
12
            var NewFamilyExpenses = new GlideRecord('u family expenses');
14
            NewFamilyExpenses.u_date = current.u_date;
15
            NewFamilyExpenses.u_amount = current.u_expense;
NewFamilyExpenses.u_expense_details += ">"+current.u_comments+":"+"Rs."+current.u_expense+"/-";
16
17
             NewFamilyExpenses.insert();
    })(current, previous);
```

6. Go to the Header and right click there>> click on Save.

Milestone 9: Configure The Relationship

Activity 1:

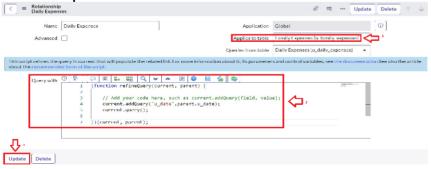
Gynfigure The Relatiynship

- 1. Gy ty All >> In the filter search for Relationships >> Open Relationships.
- 2. In that, spen Daily Expenses Relatisnship.
- 3. For Applies to table: Select Family Expenses.
- 4. In Query with : write the below Query.

```
(function refineQuery(current, parent) {
// Add your code here, such as current.addQuery(field, value);
current.addQuery('u_date',parent.u_date);
current.query();
```

})(current, parent);

5. Click ♥n Update



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