

Project Result Phase

Date	28 June 2025
Team ID	LTVIP2025TMID60720
Project Name	Calculating family Expenses Using ServiceNow
Maximum Marks	10 Marks
Team Members	Batturu Narendra, Bala Achith Kumar Reddy Chundi, Boggala Omsai, Botta Vishnu
Team Size	4
Team Leader	Batturu Narendra

Calculating Family Expenses using Service Now

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.

Milestone-1: Setting up ServiceNow Instance

Milestone-2: Creation of New Update Set

Milestone-3: Creation of Table(Daily Expenses)

Milestone-4: Creation of Relationship

Milestone-5: Configuring Related List on Family Expenses

Milestone-6: Creation of Business Rules

Milestone-7: Configure the Relationship

Milestone-8: Conclusion

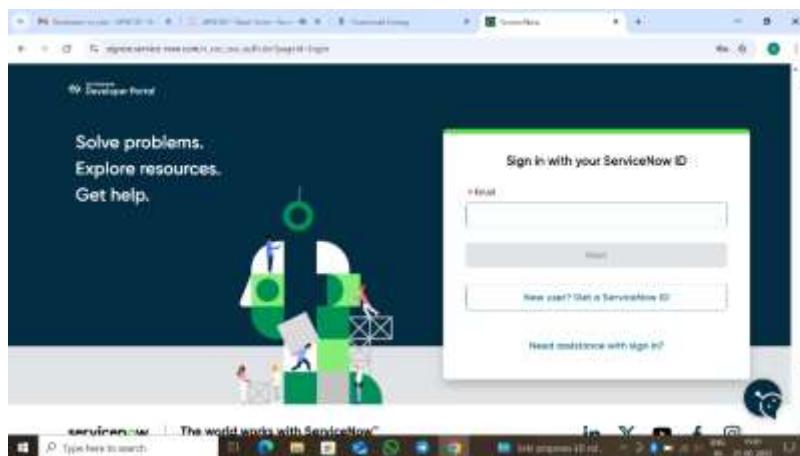
MILESTONE-1

Setting up ServiceNow Instance

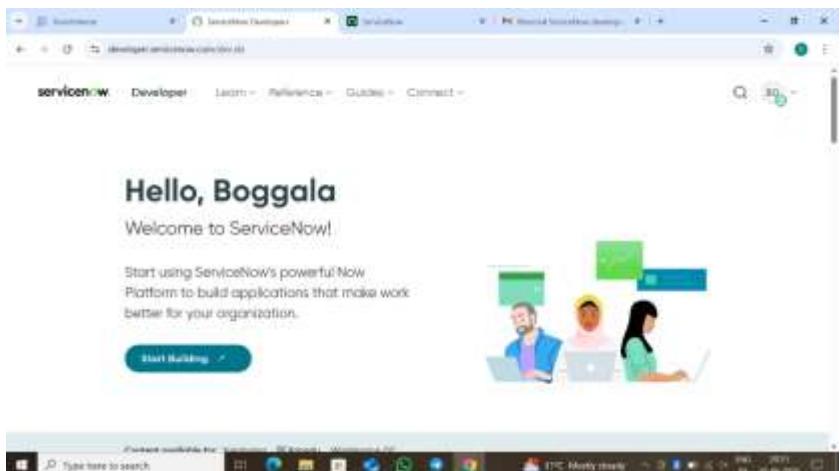
1. Sign up for a developer account on the ServiceNow Developer site "<https://developer.servicenow.com>".



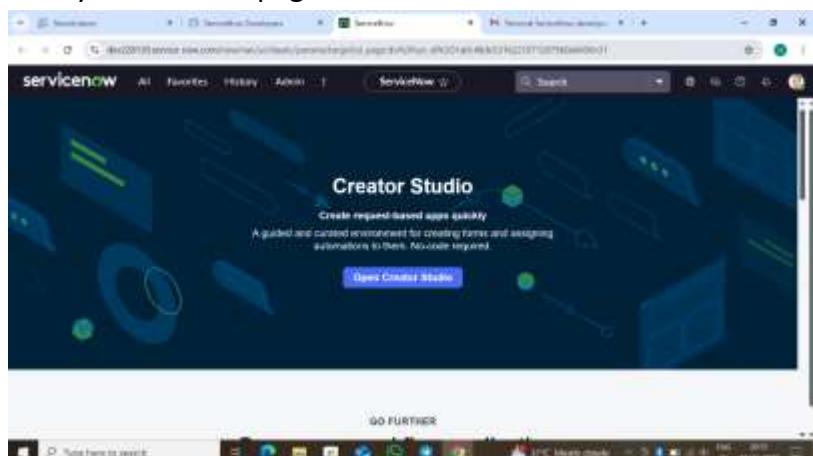
2. Once logged in, navigate to the "Personal Developer Instance" section.
3. Click on "Request Instance" to create a new ServiceNow instance.
4. Fill out the required information and submit the request.
5. You'll receive an email with the instance details once it's ready.
6. Log in to your ServiceNow instance using the provided credentials.



7. Now you will navigate to the ServiceNow.



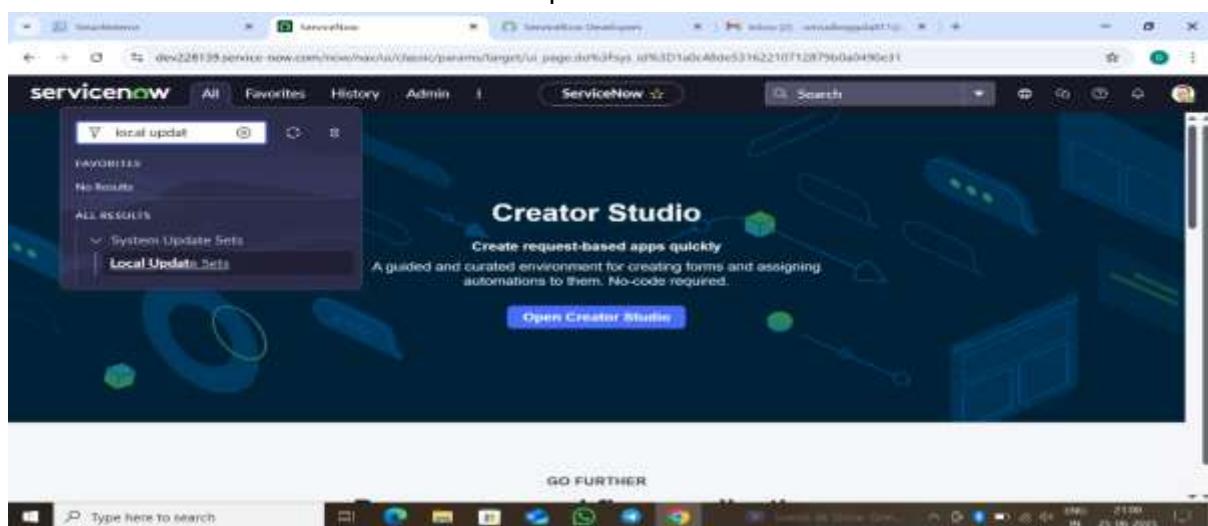
8. Now your instance page is like shown below

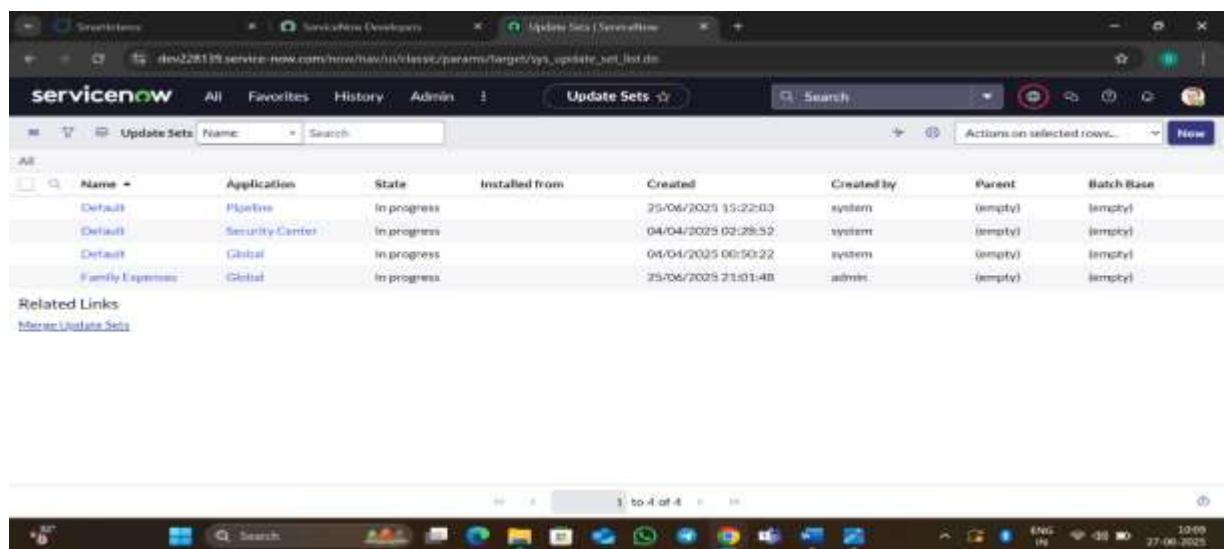


MILESTONE-2

Creation of New Update Set

1. Go to All >> In the filter search for Local Update set > click on New.

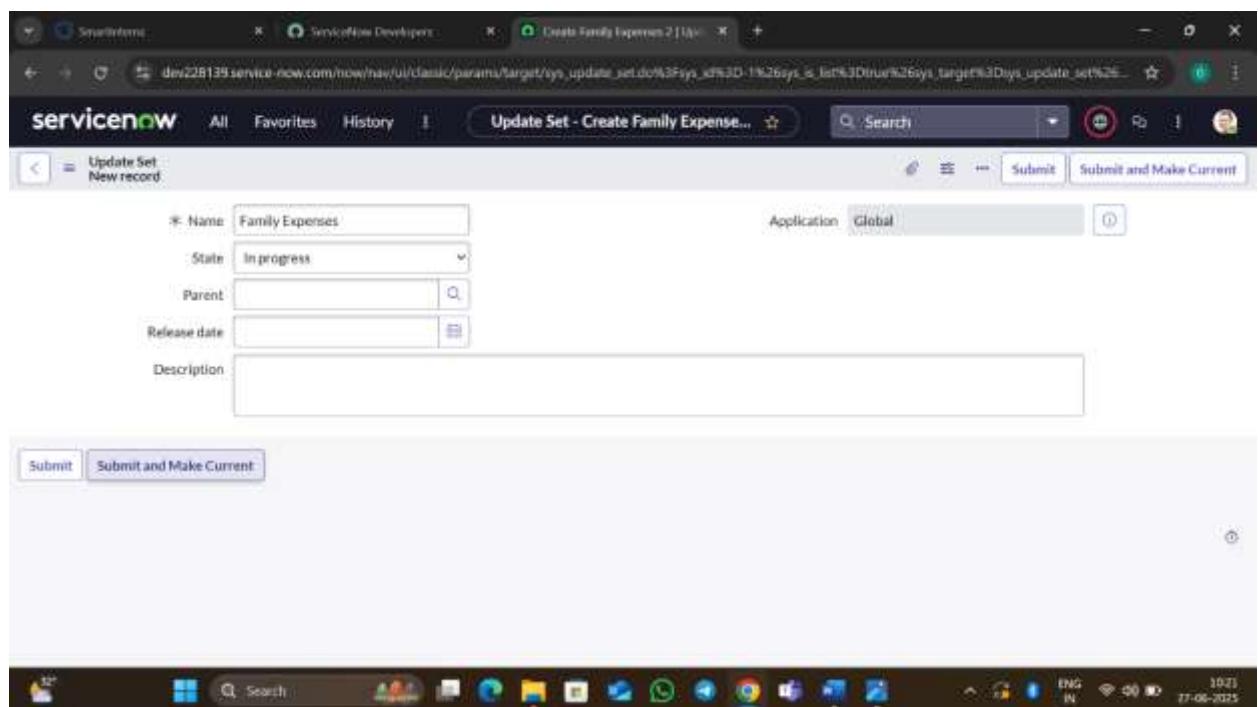




The screenshot shows the ServiceNow Update Sets page. The URL is https://dev228139.service-now.com/nav/wfui/classic/params/target/sys_update_set.do?sys_id=1%26sys_is_list%3Dtrue%26sys_target%3Days_update.set%25. The page title is "Update Sets | ServiceNow". The search bar contains "Update Sets". The results table has columns: Name, Application, State, Installed from, Created, Created by, Parent, and Batch Base. There are four rows: Default (Pipeline, In progress), Default (Security Center, In progress), Default (Global, In progress), and Family Expenses (Global, In progress). The "Family Expenses" row is highlighted. Below the table is a "Related Links" section with a "More Update Sets" link.

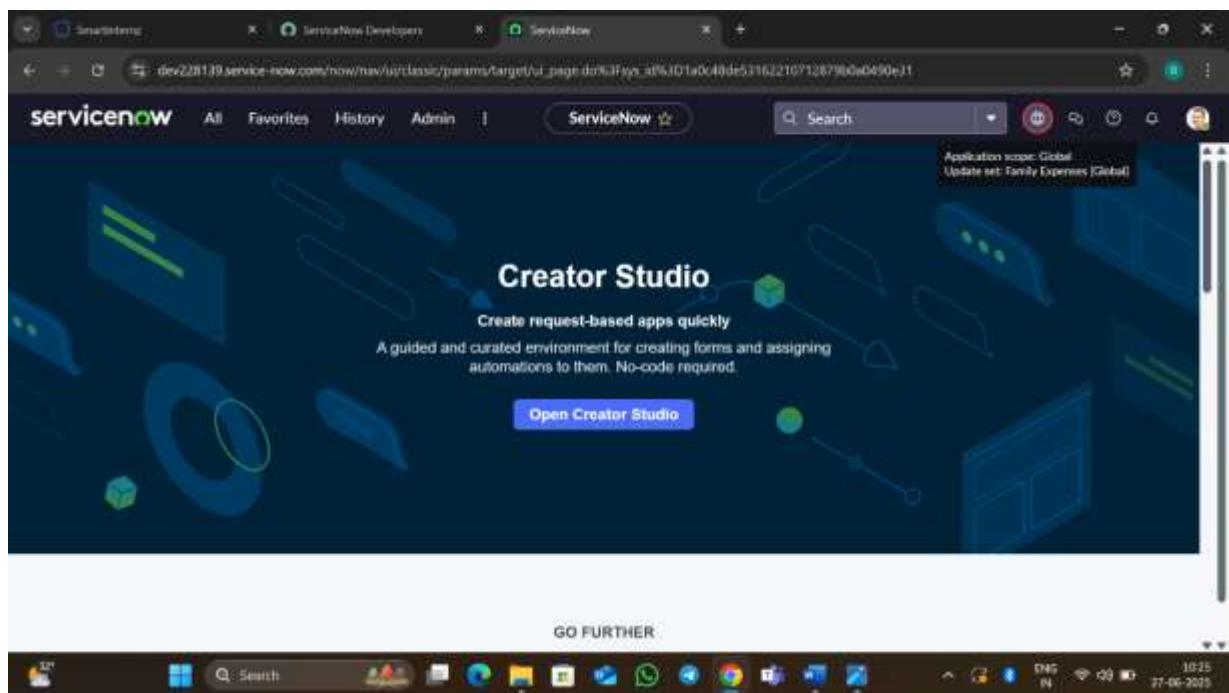
Name	Application	State	Installed from	Created	Created by	Parent	Batch Base
Default	Pipeline	In progress		29/06/2025 15:22:03	system	(empty)	(empty)
Default	Security Center	In progress		04/04/2025 02:28:52	system	(empty)	(empty)
Default	Global	In progress		04/04/2025 00:50:22	system	(empty)	(empty)
Family Expenses	Global	In progress		29/06/2025 21:01:48	admin	(empty)	(empty)

2. Enter the Details as:
Name : Family Expenses
3. Then click on Submit and Make current.



The screenshot shows the "Create Family Expenses 2 | Update Set" page. The URL is https://dev228139.service-now.com/nav/wfui/classic/params/target/sys_update_set.do?sys_id=1%26sys_is_list%3Dtrue%26sys_target%3Days_update.set%25. The page title is "Update Set - Create Family Expense...". The form has fields: Name (Family Expenses), State (In progress), Parent (empty), Release date (empty), and Description (empty). At the bottom are "Submit" and "Submit and Make Current" buttons. The status bar at the bottom right shows "10:00 ENG IN 99 27-06-2025".

4. After Clicking the submit and Make Current your instance show like this



MILESTONE-3:

ACTIVITY-1: Creation of Family Expenses Table

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

The screenshot shows the ServiceNow interface for creating an update set. The top navigation bar includes 'Statements', 'Family Expenses | Update Set', 'ServiceNow Developers', and 'inbox (2) - email@oppsite11.com'. The main title is 'Update Set - Family Expenses'. On the left, a sidebar titled 'Tables' lists various table categories: 'Exclude Tables', 'System Definition', 'Tables', 'Decision Tables', and 'Remote Tables'. The 'Tables' section is expanded, showing 'Create and manage tables' and 'Tables Definitions'. To the right, detailed information about the update set is displayed:

- Application:** Global
- Created:** 25/04/2025 21:01:48
- Created by:** admin
- Merged to:** [empty]

Below this, there's a 'Related Links' section with links to 'Merge With Another Update Set' and 'Scan Update Set'. The bottom status bar shows the URL as https://dev220139.service-now.com/nav/nav_bar_update_set.htm and the system status as 32°C, Mostly cloudy.

The second screenshot shows the 'Tables' page with the search bar set to 'Tables'. The results list various application files, each with columns for 'Name', 'Extensible', and 'Updated'. The results are as follows:

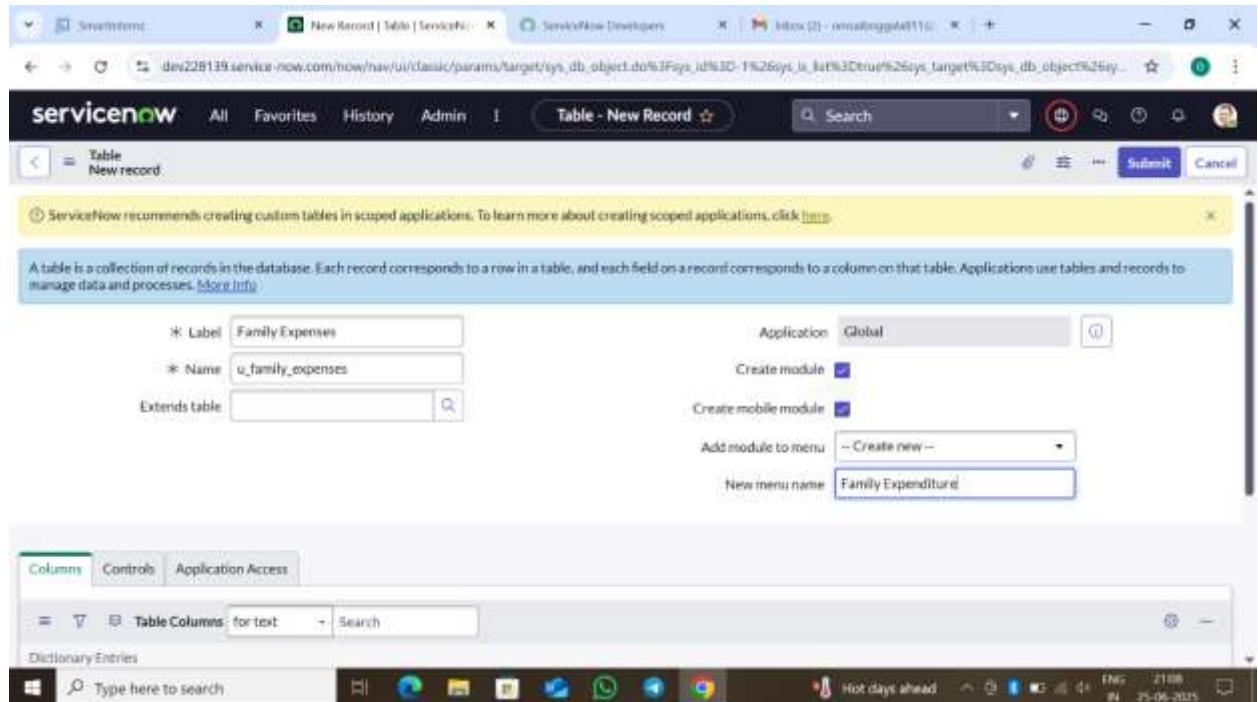
Name	Extensible	Updated
adaptive_auth.event	false	04/04/2025 01:14:47
agent_audit_recommendation	Application File	04/04/2025 01:17:00
agent_file	false	04/04/2025 00:54:11
aiicrp.config	Application File	04/04/2025 01:23:00
aiia_u_action	Application File	04/04/2025 01:32:58
aiis_acl_overrides	Application File	04/04/2025 00:36:13
aiis_active_table ingestion_tracker	false	04/04/2025 00:36:10
aiis_async_genesis_result	false	04/04/2025 00:36:13
aiis_async_request	false	04/04/2025 00:36:14
aiis_ibolt_table	Application File	04/04/2025 00:36:12
aiis_configuration_attribute	false	04/04/2025 00:36:09
aiis_connection	false	04/04/2025 00:36:14
aiis_country_to_search_language	Application File	04/04/2025 00:36:14

2. Enter the Details:

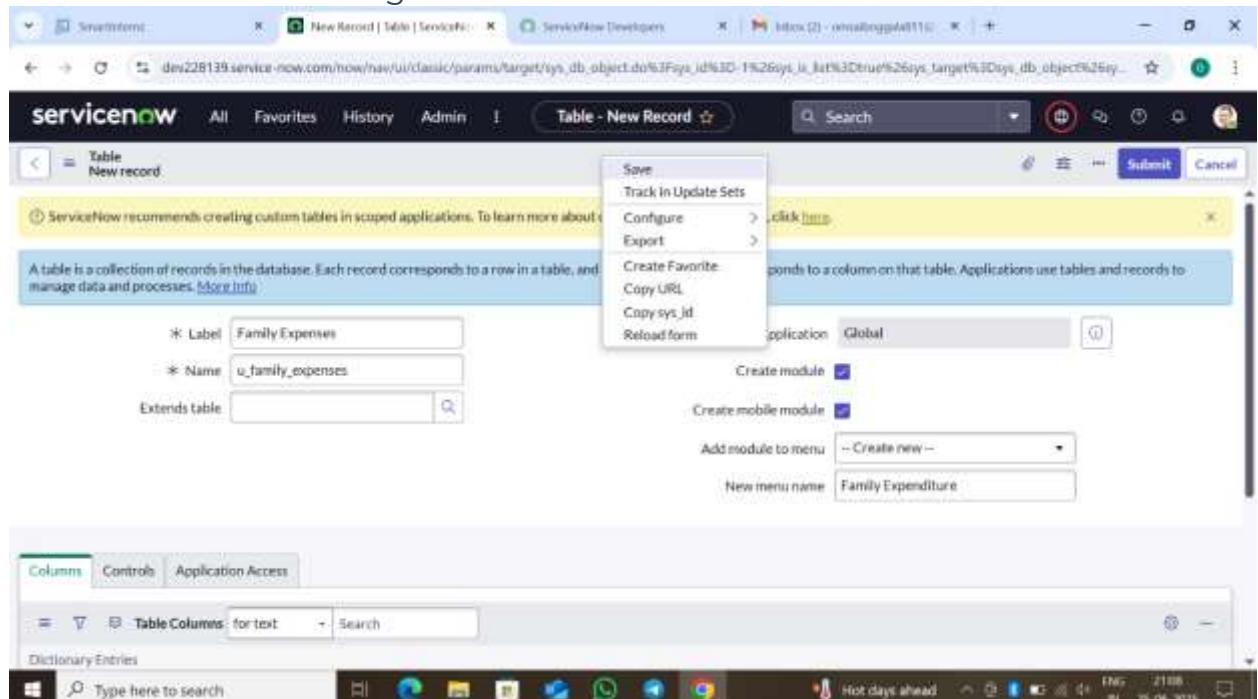
Label : Family Expenses

Name : Auto-Populated

New menu name : Family Expenditure



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



ACTIVITY-2: Creation of Columns(FIELDS)

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

Column label : Number

Type : String

3. Double click on insert a new row again

4. Give the details as:

Column label : Date

Type : Date

5. Double click on insert a new row again

6. Give the details as:

Column label : Amount

Type : Integer

7. Double click on insert a new row again

8. Give the details as:

Column label : Expense Details

Type : String

Max length : 800

Column label	Type	Reference	Max length	Default value	Display
Updated	Date/Time	(empty)	40	false	
Sys ID	Sys ID (GUID)	(empty)	32	false	
Updated by	String	(empty)	40	false	
Updates	Integer	(empty)	40	false	
Created by	String	(empty)	40	false	
Created	Date/Time	(empty)	40	false	
Number	String			false	
Date	Date			false	
Amount	Integer			false	
Expense Details	String			false	

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

The screenshot shows the ServiceNow 'Table - Family Expenses' page. A context menu is open over the 'Number' column, listing options such as Save, Analyze Access, Show File Properties, Move to Application, Show Latest Update, Show Dictionary Record, Configure, Export, View, Create Favorite, Copy URL, Copy sys_id, Show XML, History, and Reload form. The 'Number' column is highlighted in blue.

ACTIVITY-3: Making Number Field an Auto-Number

- Double click on the Number Field/Column.

The screenshot shows the ServiceNow 'Table - Family Expenses' page. The 'Number' column is highlighted in green, indicating it has been selected for modification. The rest of the columns are in their original state.

- Go down and double click on Advanced view

The screenshot shows the ServiceNow Dictionary Entry - Number page. In the 'Default value' section, there is a text input field. Below the input field are 'Delete Column' and 'Update' buttons. A 'Related Links' section contains a link to 'Switch to advanced view of this form'. At the bottom, there are tabs for 'Access Controls', 'Choices', 'Attributes', and 'Labels (1)'. The 'Choices' tab is selected, showing a table with columns: Label, Value, Language, Sequence, Inactive, and Updated. A button 'Insert a new row...' is at the bottom of the table.

3. In Default Value:

Use dynamic default : check the box

Dynamic default value : Get Next Padded Number

4. Click on Update.

The screenshot shows the ServiceNow Dictionary Entry - Number View: Advanced page. In the 'Default Value' section, the 'Use dynamic default' checkbox is checked, and the 'Dynamic default value' field contains 'Get Next Padded Number'. Below the input fields are 'Delete Column' and 'Update' buttons. A 'Related Links' section includes links to 'Show Table', 'Run Point Scan', and 'Default View'. At the bottom, there are tabs for 'Access Controls', 'Choices', 'Attributes', and 'Labels (1)'. The 'Choices' tab is selected, showing a table with columns: Label, Value, Language, Sequence, Inactive, and Updated. A button 'Insert a new row...' is at the bottom of the table.

5. Go to All >> In the filter search for Number Maintenance >> select Number Maintenance

Column label	Type	Reference	Max length	Default value	Display
Updated	Date/Time	(empty)	40		false
Sys ID	Sys ID (GUID)	(empty)	32		false
Updated by	String	(empty)	40		false

6. Click on New.

Prefix	Number	Number of digits	Table	Updated
MSG		0	7 Email Watermark	05/12/2008 07:18:49
DEPLOY		0	7 MID Deployment Request	13/09/2021 21:11:40
SII		0	8 Scan Result	13/07/2019 03:56:09
PROFILE		0	7 MID Server Profile	15/09/2021 06:07:21
TOUR		0	7 Guided Tour	12/08/2019 15:28:31
(empty)		0	9 Indicator	25/07/2016 17:44:42
KBS_DEPLOY		0	7 MID KBS Deployment Request	20/09/2021 13:39:58
(empty)		0	0 Test Index	13/10/2011 00:47:02
(empty)		0	9 Breakdown	26/07/2016 16:44:35
MID_		0	5 MID Server	23/09/2021 04:02:12
SLAR		0	7 SLA Repair Log	24/02/2015 21:01:34
EVALEXEC	1	8	A/B Testing Evaluation Execution	03/03/2023 02:49:26
TEMPLATE	\$		Template	17/09/2005 02:42:42

7. Enter the below Details:

Table : Family Expenses

Prefix : MFE

Number - New Record

* Table: Family Expenses

Prefix: MFE

* Number: 1.000

Application: Global

Number of digits: 7

Submit

Related Links
[Show Counter](#)

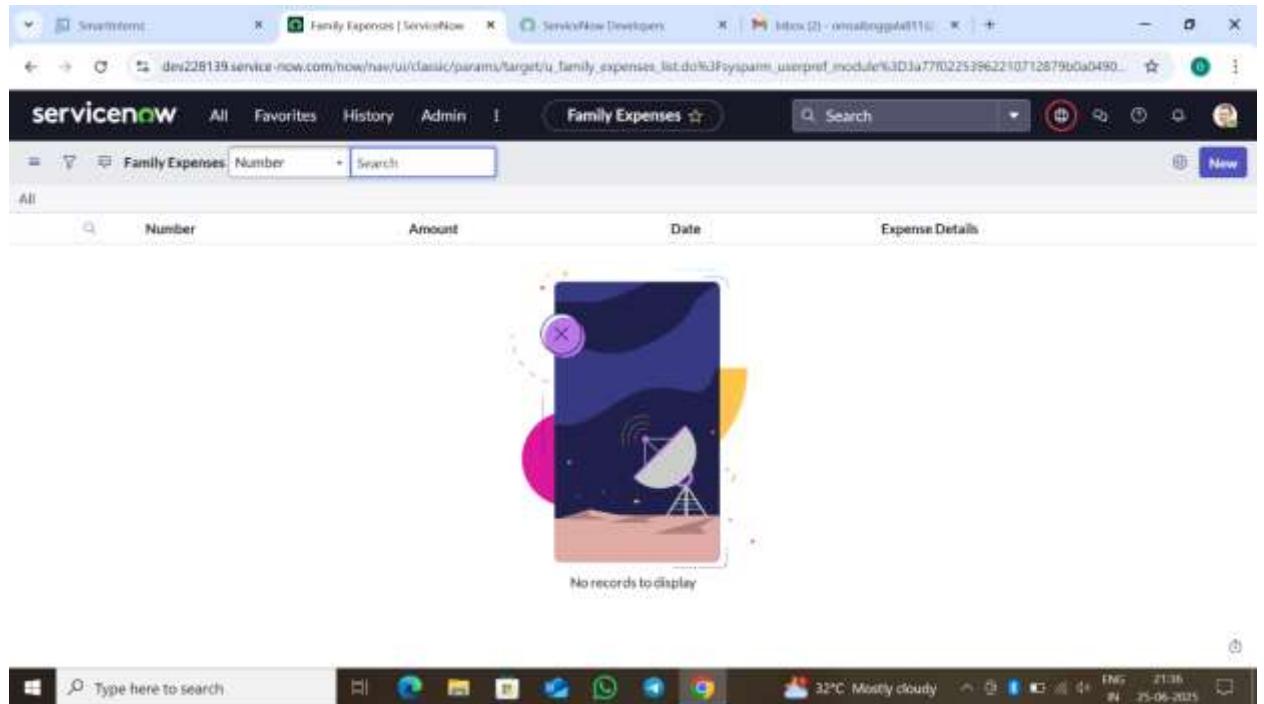
8. Click on Submit.

ACTIVITY-4: Configure the Form

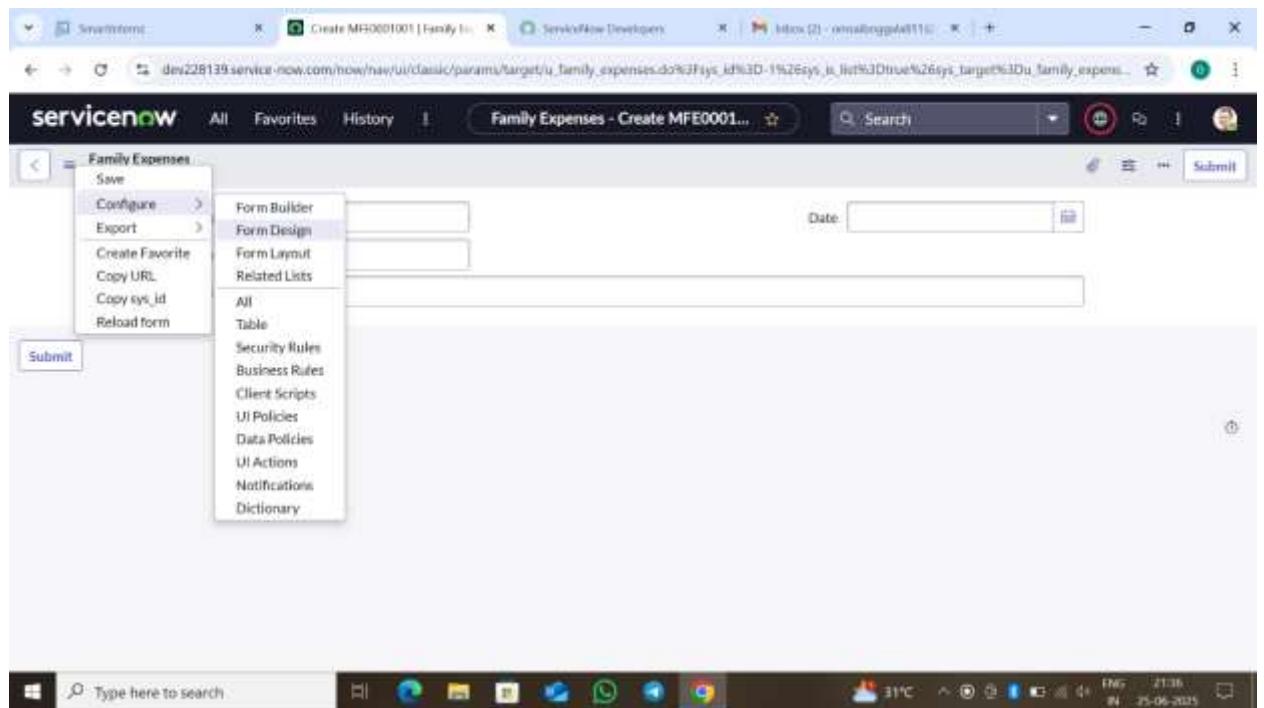
1. Go to All >> In the filter search for Family Expenses >> Open Family Expenses

	Number of digits	Table	Updated
	7	Email Watermark	05/12/2008 07:18:49
	7	MID Deployment Request	13/09/2021 21:11:40
	8	Scan Result	13/07/2019 03:56:09
	7	MID Server Profile	15/09/2021 06:07:21
	7	Guided Tour	12/08/2019 15:28:31
	9	Indicator	25/07/2016 17:44:42
	7	MID KBS Deployment Request	20/09/2021 13:39:58
	0	Test Index	13/10/2011 00:47:02
	9	Breakdown	26/07/2016 16:44:35
	5	MID Server	23/09/2021 04:02:12
	7	SLA Repair Log	24/02/2015 21:01:34
	8	A/B Testing Evaluation Execution	03/02/2023 02:49:26
	1	Template	17/09/2005 02:42:42

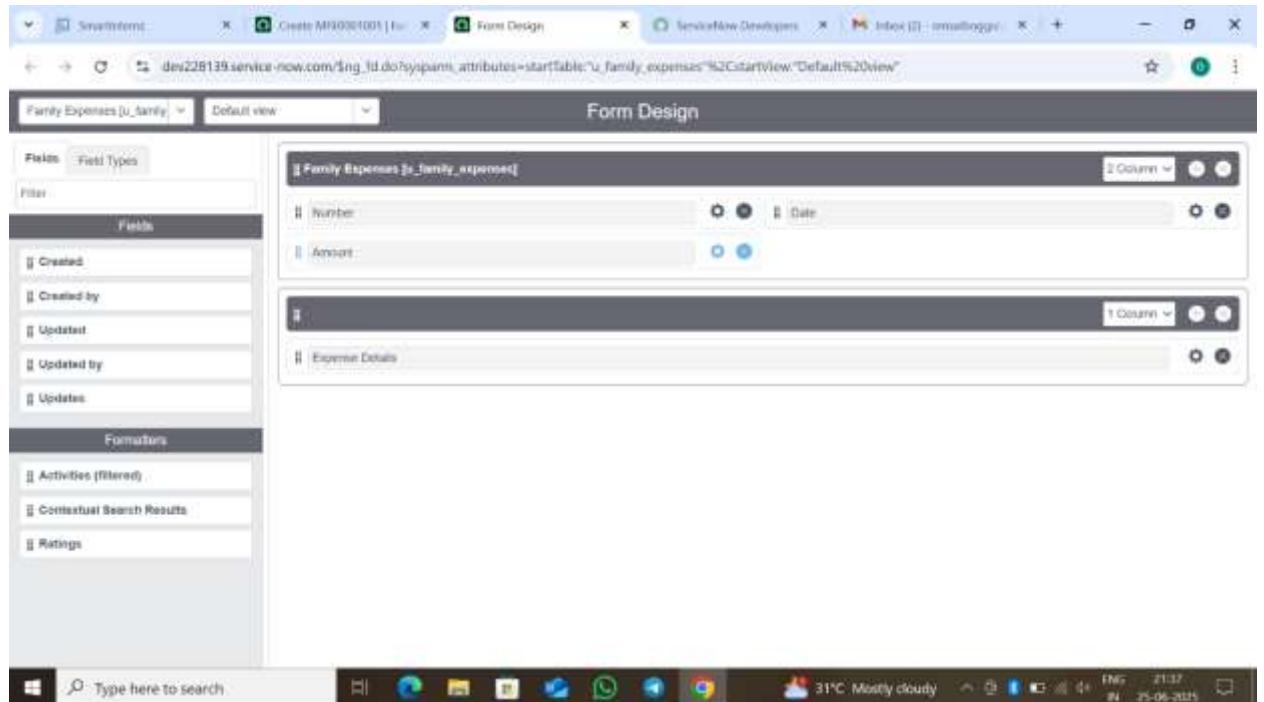
2. Click on New



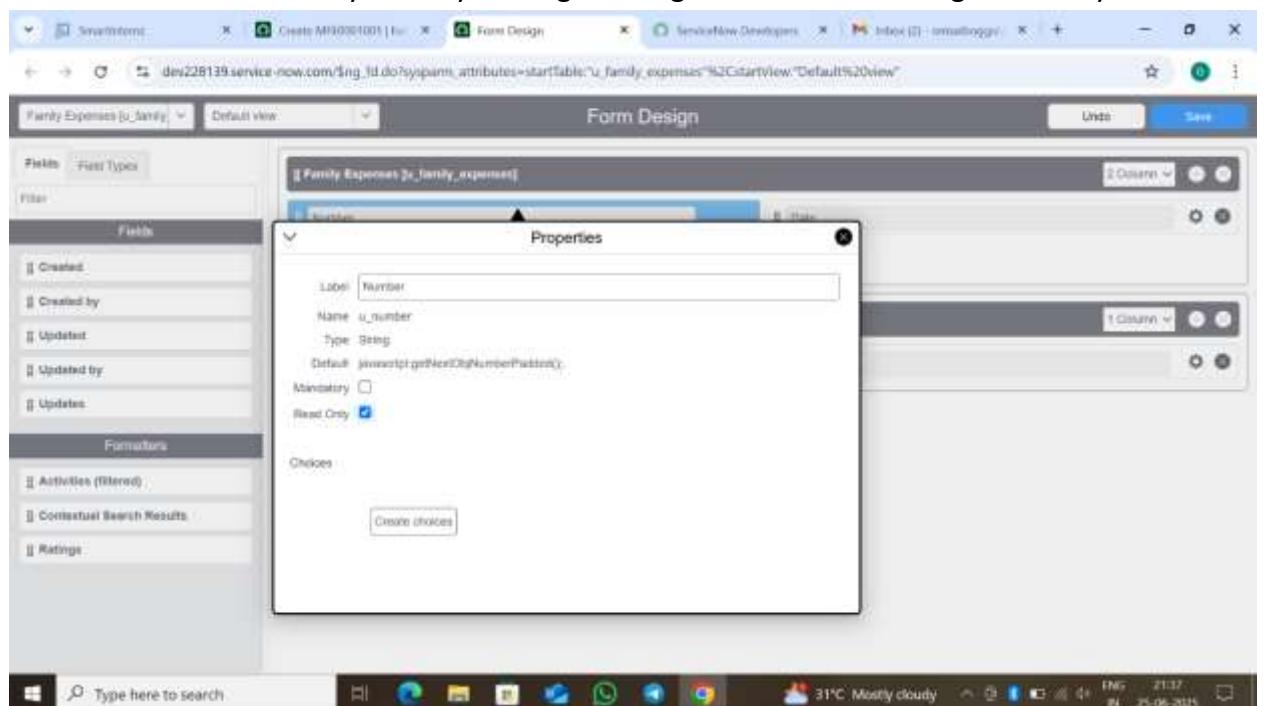
3. Go to the Header and right click there>> click on Configure >> Select Form Design



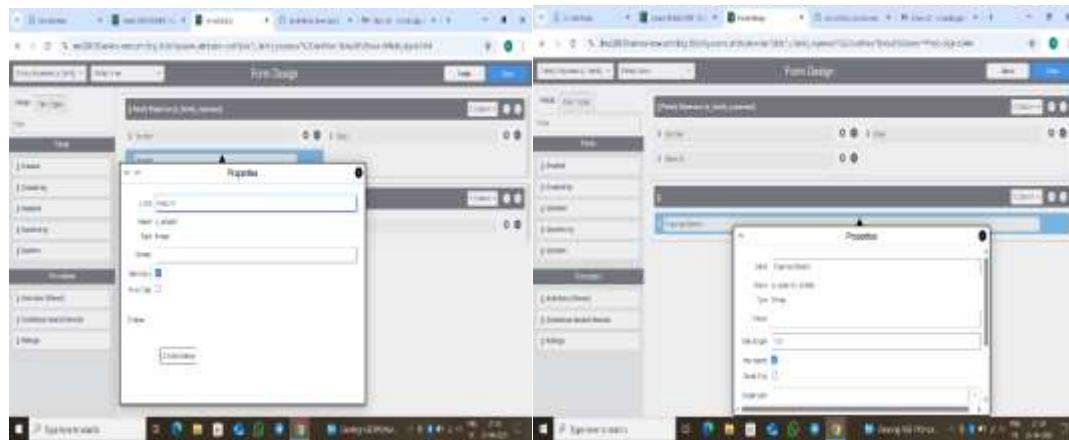
4. Customize or Drag Drop the form as per your requirements



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



6. Make Date, Amount Mandatory Field by clicking on the gear icon and checking Mandatory

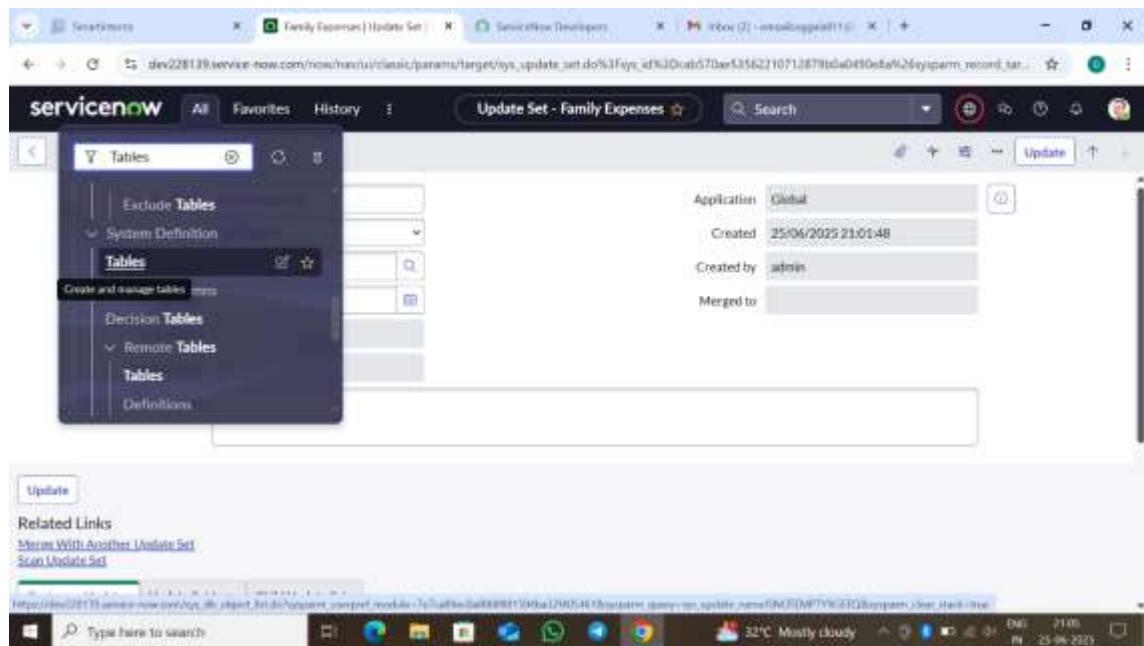


7.Click on Save.

MILESTONE-4:

ACTIVITY-1: Creation of Table(Daily Expenses)

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



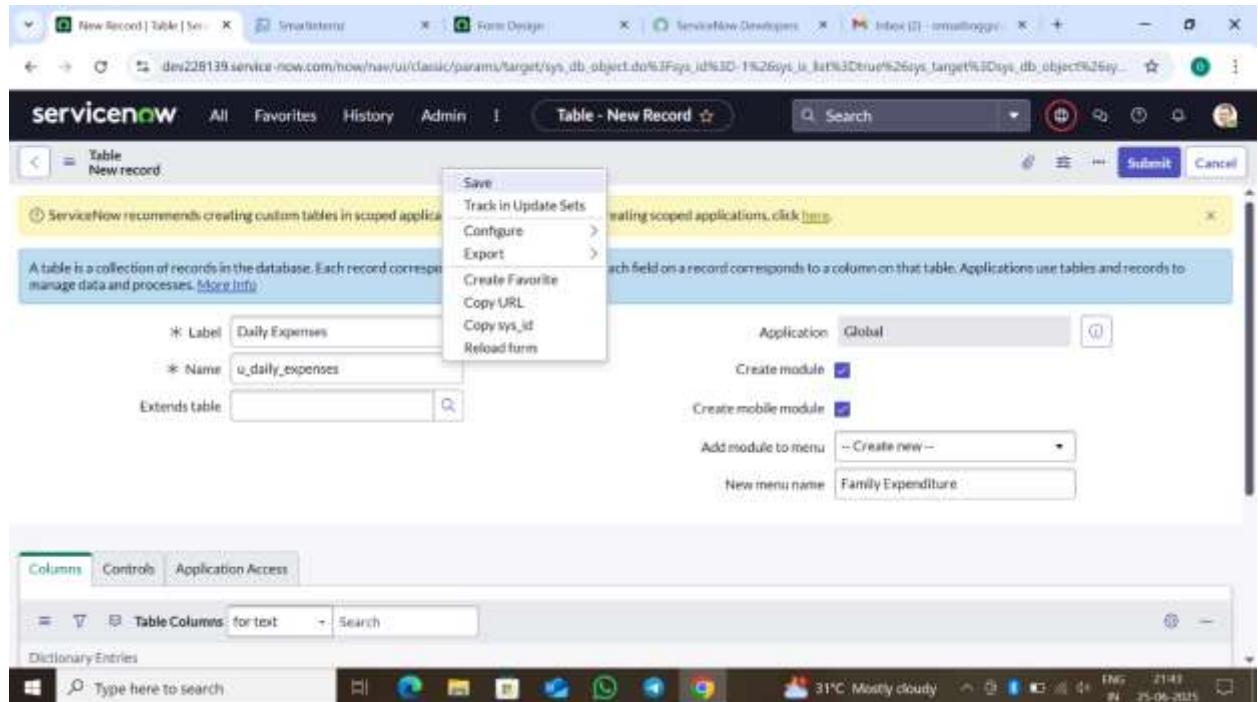
2. Enter the Details:

Label : Daily Expenses

Name : Auto-Populated

Add Module to menu : Family Expenditure

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



ACTIVITY-2: Creation of Columns(FIELDS)

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

2. Give the details as:

Column label : Number

Type : String

3. Double click on insert a new row again

4. Give the details as:

Column label : Date

Type : Date

5. Double click on insert a new row again

6. Give the details as:

Column label : Expense

Type : Integer

7. Double click on insert a new row again

8. Give the details as:

Column label : Family Member Name

Type : Reference

Max length : 800

9. Double click on insert a new row again

10. Give the details as:

Column label : Comments

Type : String

Max length : 800

The screenshot shows the ServiceNow Table - Daily Expenses configuration screen. The 'Number' column is selected, and its properties are displayed in the table below:

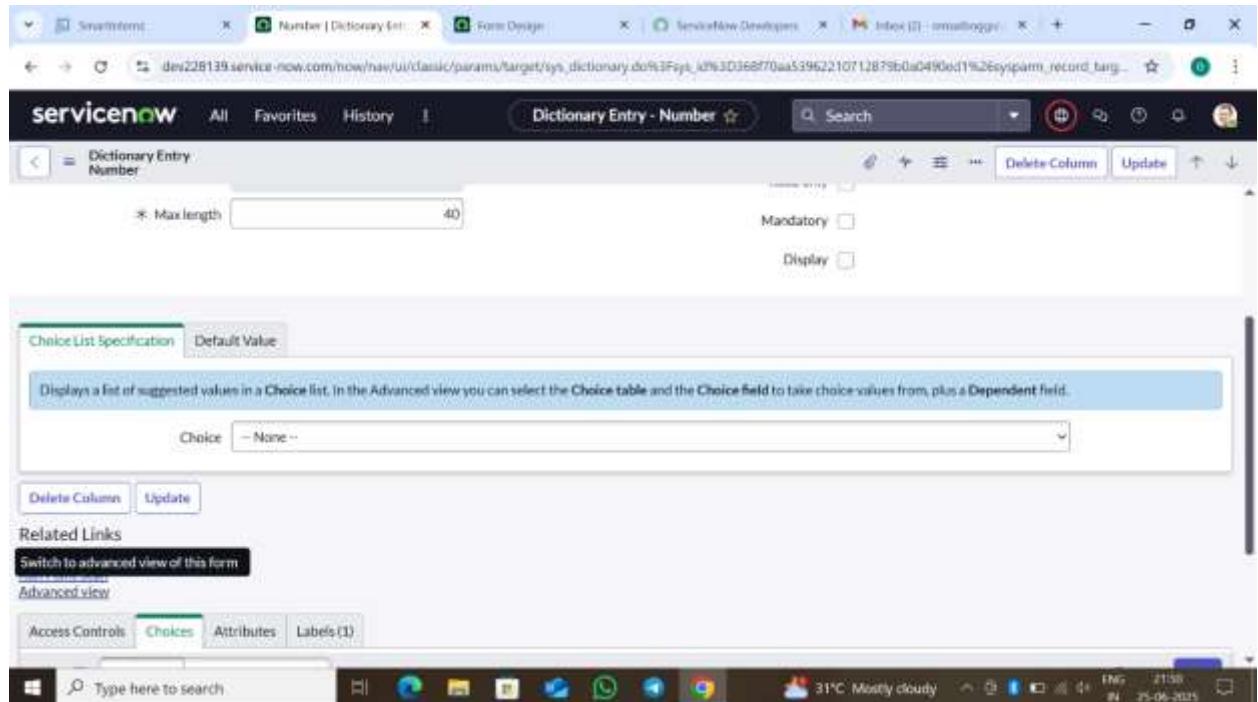
Column label	Type	Reference	Max length	Default value	Display
Updated	Date/Time	(empty)	40	false	
Created by	String	(empty)	40	false	
Sys ID	Sys ID (GUID)	(empty)	32	false	
Created	Date/Time	(empty)	40	false	
Updated by	String	(empty)	40	false	
Updates	Integer	(empty)	40	false	
Number	String		800		false
Date	Date				false
Expense	Integer				false
Family Member Name	Reference				false
Comments	String		800		false

Below the table, there are buttons for Delete, Update, and Delete All Records. The Windows taskbar at the bottom shows various pinned icons and the system tray.

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

ACTIVITY-3: Making Number Field an Auto-Number

1. Double click on the Number Field/Column.
2. Go down and double click on Advanced view

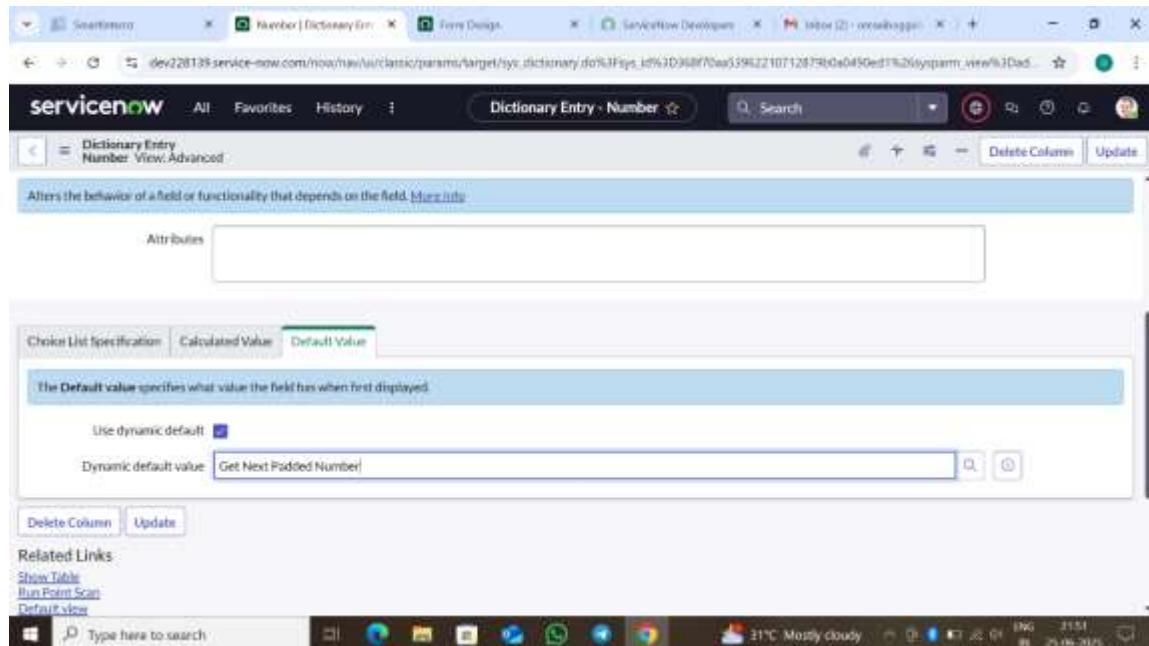


3. In Default Value:

Use dynamic default : check the box

Dynamic default value : Get Next Padded Number

4. Click on Update.



5. Go to All >> In the filter search for Number Maintenance >> select Number Maintenance

The screenshot shows a ServiceNow interface for the 'Family Expenses' table. A modal window titled 'Number Maintenance' is open, showing a search bar with 'Number' and a dropdown menu with 'FAVORITES' and 'No Results'. Below this is a section titled 'ALL RESULTS' with a single entry: 'System Definition' under 'Number Maintenance'. The main table view is visible in the background.

6. Click on New.

The screenshot shows a ServiceNow interface for the 'Numbers' table. The table has columns: Prefix, Number, Number of digits, Table, and Updated. The data includes entries like MSG, DEPLOY, PROFILE, TOURE, KBS_DEPLOY, TEST, MID, SLAR, EVALEXEC, and TEMPLATE. The 'Actions on selected rows...' button is highlighted.

Prefix	Number	Number of digits	Table	Updated
MSG	0	7	Email Watermark	05/12/2008 07:18:49
DEPLOY	0	7	MID Deployment Request	13/09/2021 21:11:40
SIR	0	8	Scan Result	13/07/2019 03:56:02
PROFILE	0	7	MID Server Profile	15/09/2021 06:07:21
TOURE	0	7	Guided Tour	12/08/2019 15:28:31
(empty)	0	9	Indicator	25/07/2016 17:44:42
KBS_DEPLOY	0	7	MID KBS Deployment Request	20/09/2021 13:39:58
(empty)	0	0	Test Index	13/10/2011 00:47:02
(empty)	0	9	Breakdown	26/07/2016 16:44:35
MID	0	5	MID Server	23/09/2021 04:02:12
SLAR	0	7	SLA Repair Log	24/02/2015 21:01:34
EVALEXEC	1	8	A/B Testing Evaluation Execution	03/02/2023 02:49:26
TEMPLATE	1	Template		17/09/2005 02:42:42

7. Enter the below Details:

Table : Family Expenses

Prefix : MFE

Number - New Record

* Table: Daily Expenses

Prefix: DFE

* Number: 1.000

Application: Global

Number of digits: 7

Submit

Related Links: Show Counter

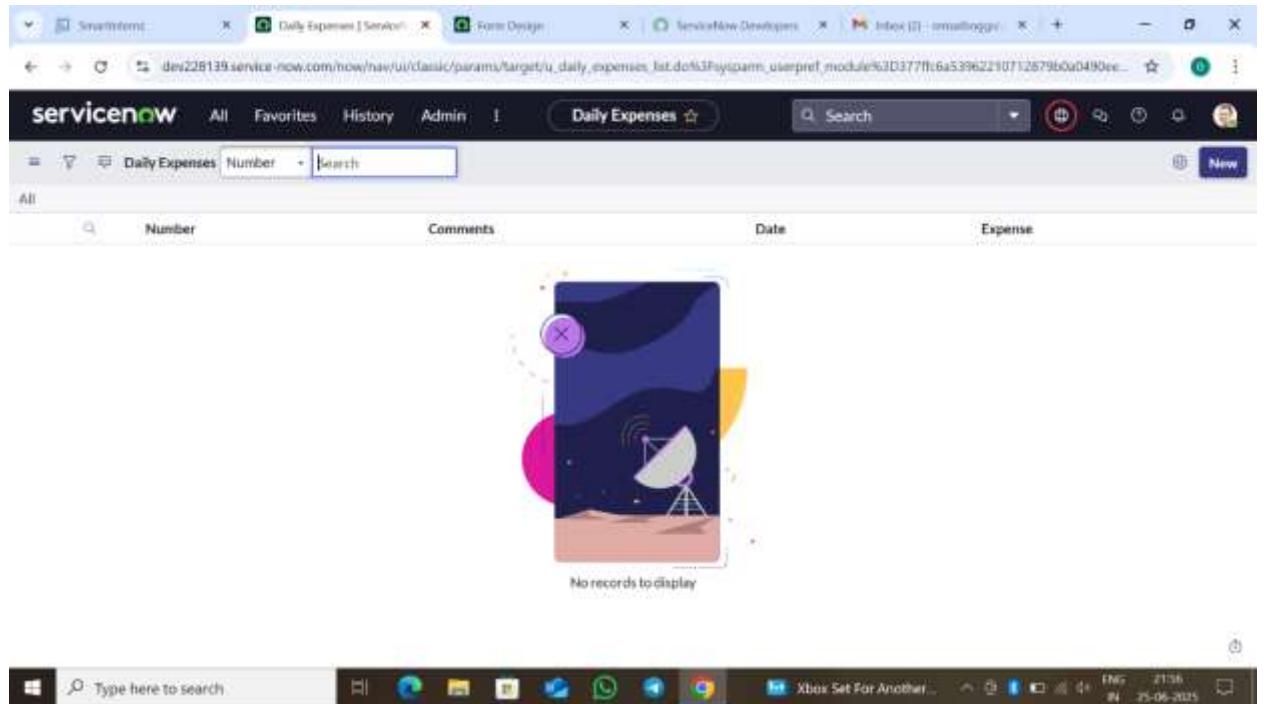
8. Click on Submit.

ACTIVITY-4: Configure the Form

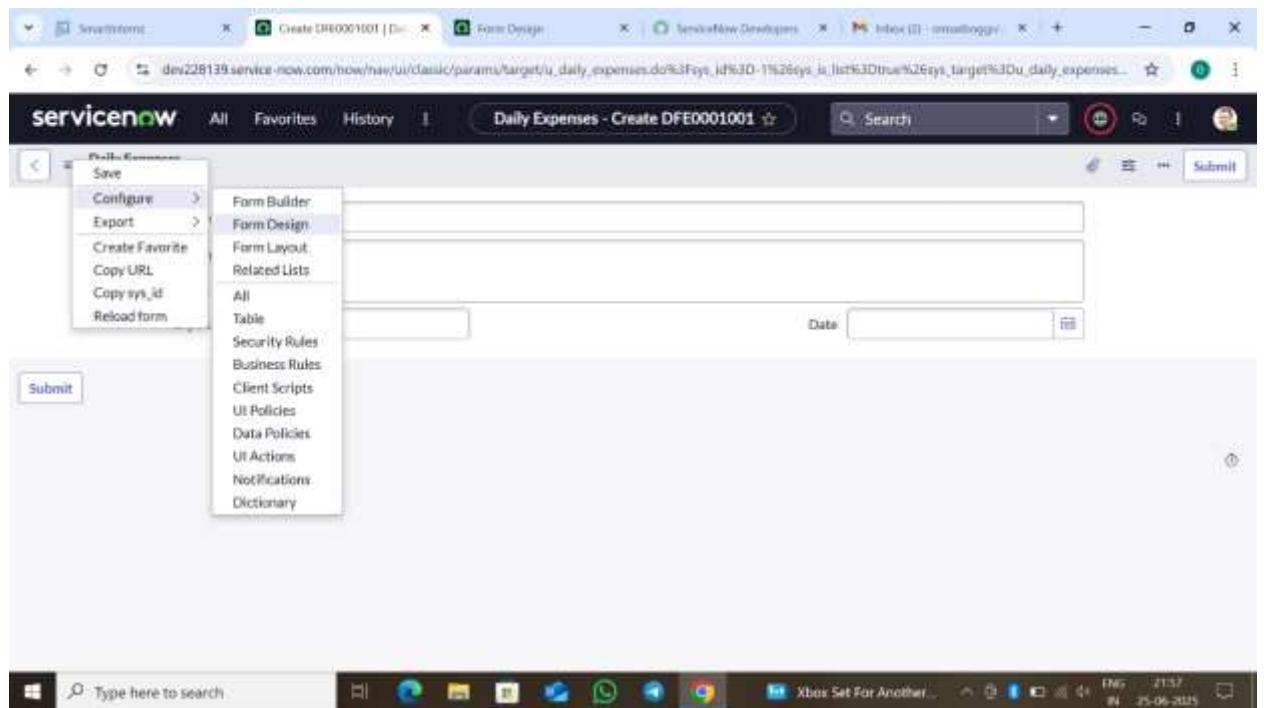
1. Go to All >> In the filter search for Daily Expenses >> Open Daily Expenses

	Number of digits	Table	Updated
No Results	7	Email Watermark	05/12/2008 07:18:49
All Results	0	MID Deployment Request	13/09/2021 21:11:40
Family Expenditure	0	Scan Result	13/07/2019 03:56:02
Daily Expenses	7	MID Server Profile	15/09/2021 06:07:21
	0	Guided Tour	12/08/2019 15:28:31
(empty)	9	Indicator	25/07/2016 17:44:42
KBS_DEPLOY	7	MID KBS Deployment Request	20/09/2021 13:39:58
(empty)	0	Test Index	13/10/2011 00:47:02
(empty)	9	Breakdown	26/07/2016 16:44:35
MID_	5	MID Server	23/09/2021 04:02:12
SLA	7	SLA Repair Log	24/02/2015 21:01:34
EVALEXEC	8	A/B Testing Evaluation Execution	03/02/2023 02:49:26
TEMPLATE	\$	Template	17/09/2005 02:42:42

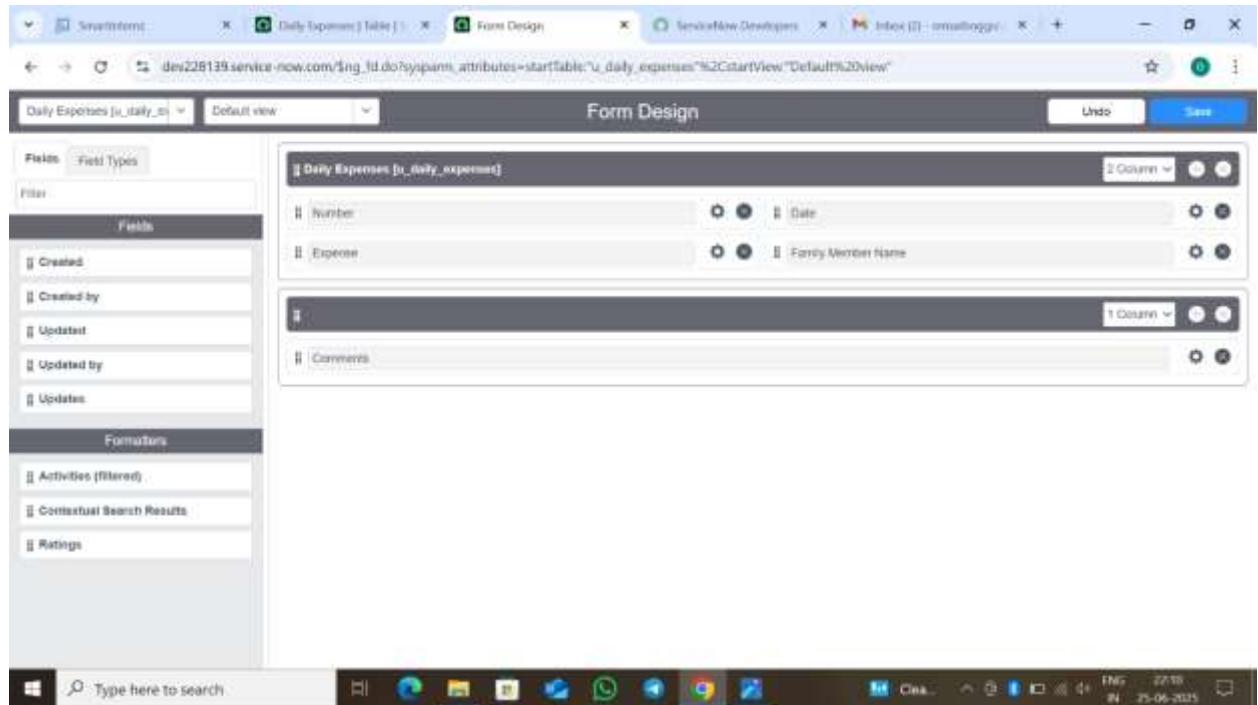
2. Click on New



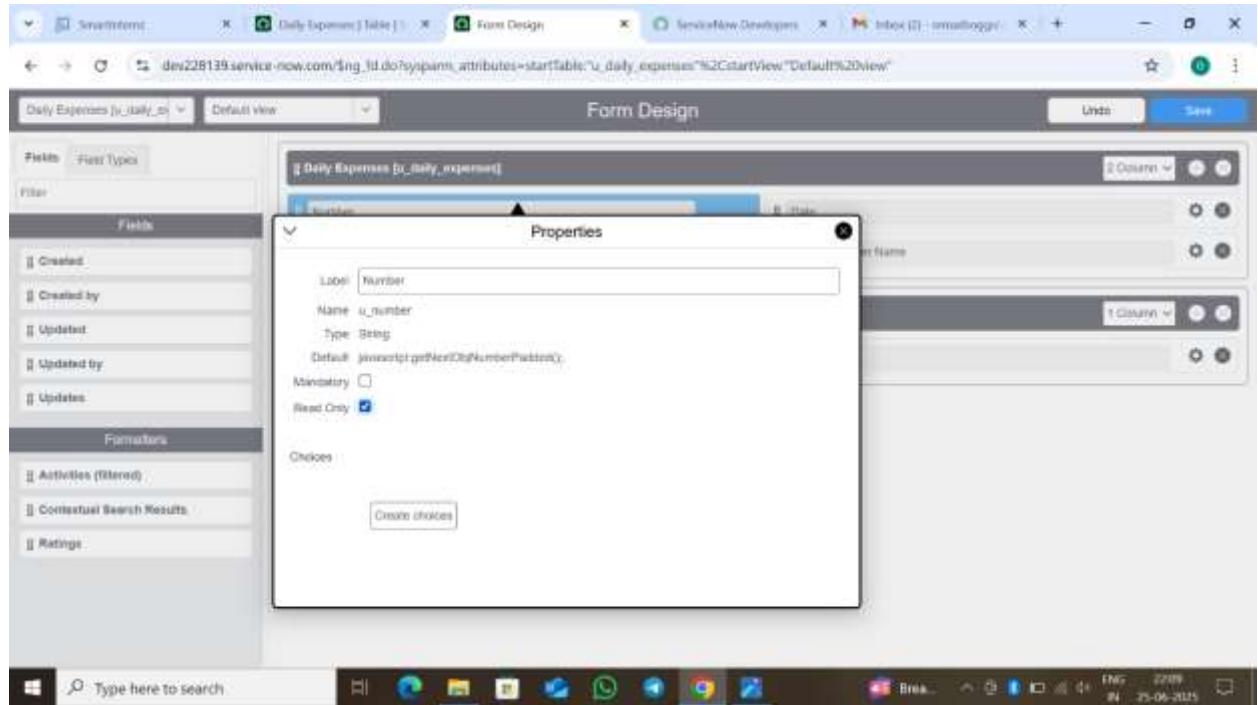
3. Go to the Header and right click there>> click on Configure >> Select Form Design



4. Customize 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. Make Date, Family Member Name Mandatory Field by clicking on the gear icon and checking Mandatory
7. Click on Save.

MILESTONE-5:

Creation of Relationship

ACTIVITY-1: Creation of Relationship between Family Expenses and Daily Expenses tables

1. Go to All >> In the filter search for Relationships >> Open Relationships

The screenshot shows the ServiceNow interface with the 'Relationships' tab selected in the left sidebar. The main area displays a search bar with filters for 'Date' and a button to 'Search'. A tooltip at the bottom left of the sidebar says 'Creates or view existing many to many relationships.' The URL in the address bar is https://dev228139.service-now.com/nav/uiclassic/parama/target/u_daily_expenses.do?sys_id=3f6c500a0a011b047b7e170fa0ff650¤t_sys_id=3f6c500a0a011b047b7e170fa0ff650.

2. Click on New.

The screenshot shows the 'Relationships' list page in ServiceNow. The 'New' button is highlighted in blue. The table lists various relationship types with columns for Name, Advanced, Applies to, Applies to table, Queries from table, Insert callback, Query from, and Query. The 'Action Bar Actions' column contains links like 'UI Action Configuration' and 'M2M Action Assignment'. The 'Action Model' column contains 'Action Assignment' and 'Action Model Field'. The URL in the address bar is https://dev228139.service-now.com/nav/uiclassic/parama/target/u_relationship_list.do?sys_id=3f6c500a0a011b047b7e170fa0ff650¤t_sys_id=3f6c500a0a011b047b7e170fa0ff650.

3. Enter the details:

Name : Daily Expenses

Applies to table : Select Family Expenses

Queries Fromtable : Select Daily Expenses

The screenshot shows the ServiceNow interface for creating a new relationship. The 'Name' field is set to 'Daily Expenses'. The 'Application' dropdown is set to 'Global'. Under 'Relationships', the 'Applies to table' dropdown is set to 'Family Expenses [u.family_expense]' and the 'Queries from table' dropdown is set to 'Daily Expenses [u.daily_expense]'. A note at the bottom states: 'This script refines the query in current that will populate the related list. For more information about it, its parameters and control variables, see [the documentation](#). See also the article about the recommended form of the script.' Below this is a code editor window containing the following JavaScript:

```
function refineQuery(current, parent) {
    // Add your code here, such as current.addQuery(Field, value);
}(current, parent);
```

4. Click Save.

MILESTONE-6:

ACTIVITY-1: Configuring Related List on Family Expenses

1. Go to All >> In the filter search for Family Expenses >> Open Family Expenses

The screenshot shows the ServiceNow Relationships page. The left sidebar has a search bar with 'Family' typed in. The main table lists relationships, with the first entry being 'Family' (script include). The table columns include 'Applies to table', 'Queries from table', 'Insert callback', 'Query from', and 'Query via'. The 'Actions on selected rows...' button is visible at the top right of the table area.

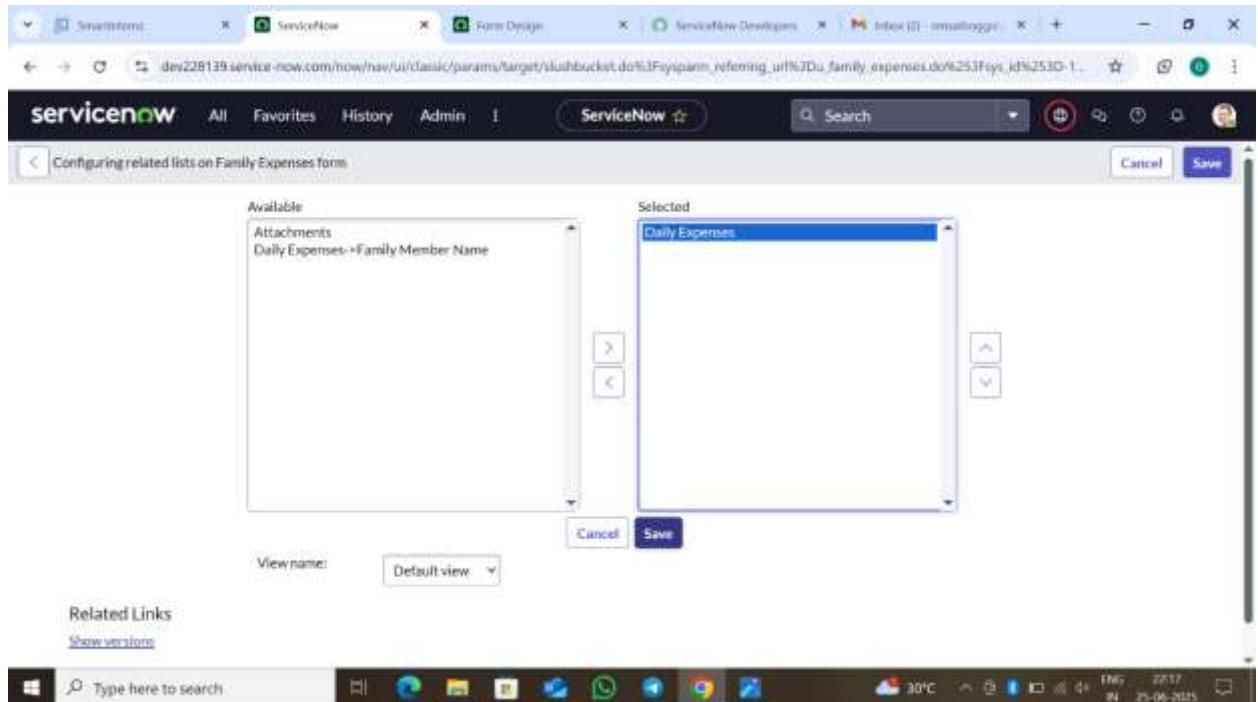
2. Click on New

The screenshot shows a ServiceNow web interface for the 'Family Expenses' module. The title bar includes tabs for 'ServiceNow' and 'Family Expenses'. The main content area displays a table with one row, representing a family expense. The columns are 'Number' (containing 'MFE0001001'), 'Amount', 'Date', and 'Expense Details'. A search bar and a 'New' button are visible at the top of the table area.

3. Go to the Header and right click there>> click on Configure >> Select Related Lists

The screenshot shows a ServiceNow 'Create MFE0001001' screen for the 'Family Expenses' module. The title bar shows the URL and a 'Submit' button. A context menu is open on the left side, with 'Configure' selected. Other options in the menu include 'Save', 'Export', 'Create Favorite', 'Copy URL', 'Copy sys_id', and 'Reload form'. The main area of the screen shows a form with a required 'Date' field. The Windows taskbar at the bottom indicates it's 30°C, 22:36, and the date is 25-06-2025.

4. Add Daily Expenses to the Selected Area.



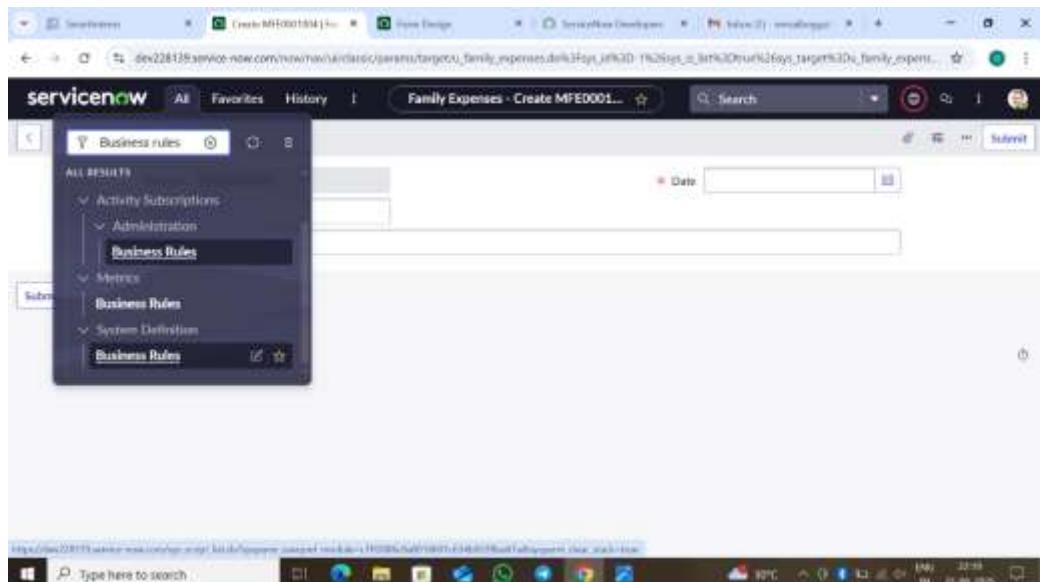
- ## 5. Click on Save

MILESTONE-7:

CREATION OF BUSINESS RULES

ACTIVITY-1: Creation of Business Rules

1. Go to All >> In the filter search for Business Rules.



2. Under System Definition Select Business Rules then click on New.

The screenshot shows a ServiceNow web interface for the 'Family Expenses' application. The title bar includes tabs for 'ServiceItems', 'Family Expenses | ServiceNow', 'Form Design', 'ServiceNow Developers', and 'Inbox (2) - omnia@ppgwall11'. The main content area displays a list of family expenses. The first record is selected, showing details: Number MFE0001001, Amount, Date, and Expense Details. A search bar and a 'New' button are visible at the top right.

3. Enter the Details:

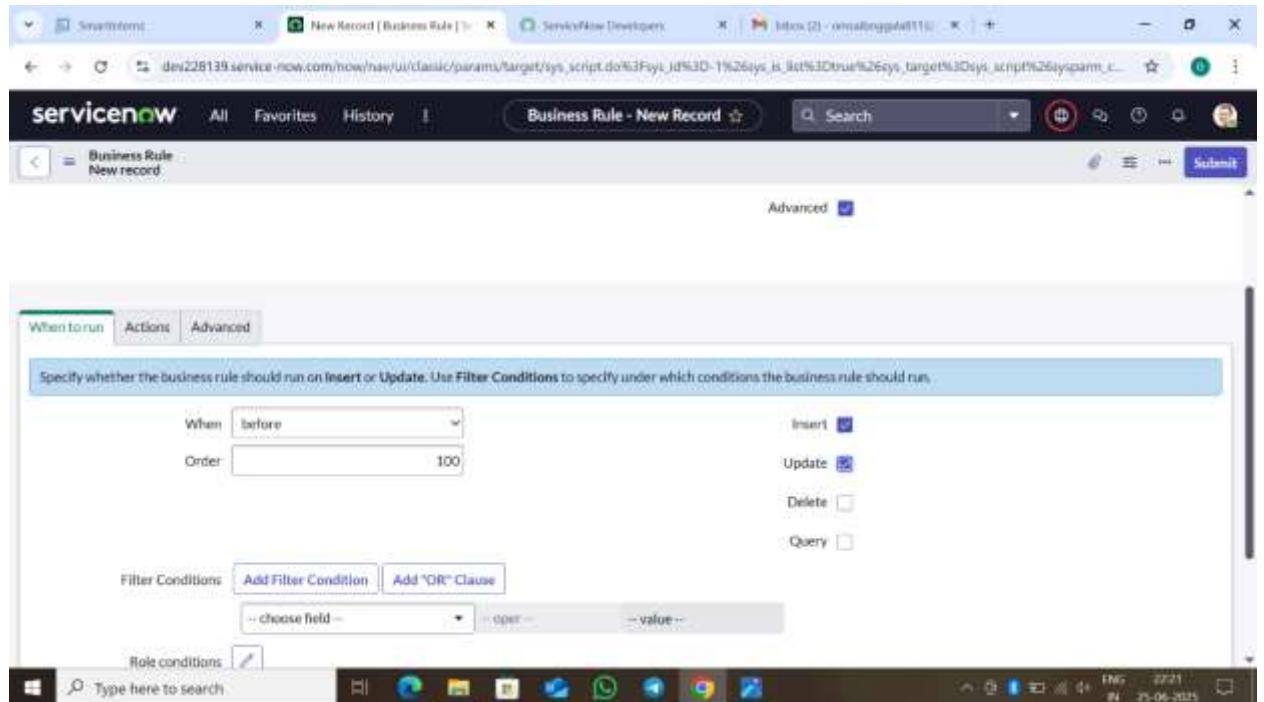
Name : Family Expenses BR

Table : Select Daily Expenses

Check Advanced

The screenshot shows the 'Business Rule - New Record' configuration screen. The title bar includes tabs for 'ServiceItems', 'New Record | Business Rule | ServiceNow', 'Form Design', 'ServiceNow Developers', and 'Inbox (2) - omnia@ppgwall11'. The main form has fields for 'Name' (Family Expenses BR), 'Table' (Daily Expenses (u_daily_expenses)), 'Application' (Global), 'Active' (checked), and 'Advanced' (checked). Below the form is a section titled 'When to run' with tabs for 'Actions' and 'Advanced'. It specifies the rule runs before insert, update, or delete operations. The Windows taskbar at the bottom shows various pinned icons and the date/time as 25-06-2025.

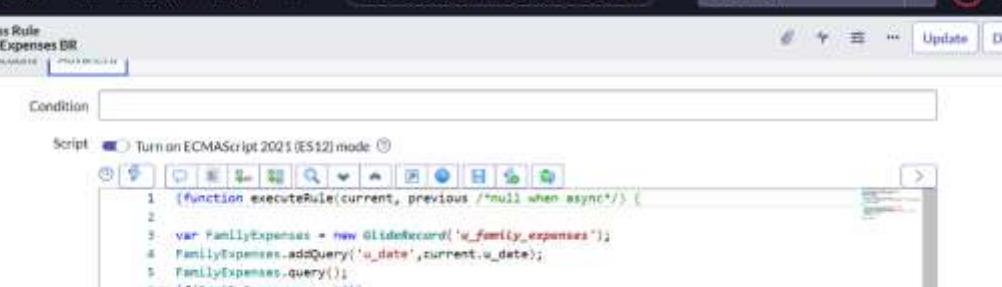
4. In when to run Check Insert and Update



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
GlideRecord('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, previous);



The screenshot shows the ServiceNow Business Rule - Family Expenses BR editor. The title bar displays the URL as dev228134.service-now.com/now/navru/classic/params/target/ys_script.do?sys_id%3D4de7c12653d82210712679b0a049e92%26ysparam_record_target%... . The main area contains a script editor with the following 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 GlideRecord('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;
    }
}
```

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

MILESTONE-8:

Configure the Relationship

1. Go to All >> In the filter search for Relationships >> Open Relationships.

Business Rules					
Relationships		Actions on selected rows...			
	Active	Table	Application	Order	Updated
CI/User Relation Types	true	Chat Setup [sys_cis_live_agent_setup]	Global	100	23/03/2020 12:30:32
CI/Groups Relation Types	true	Guided Tour [sys_embedded_tour_guide]	Global	100	28/07/2020 11:10:07
CI Relation Rollups	true	ML Labeled Data [ml_labeled_data]	Global	100	13/10/2021 22:18:24
Suggested Relationships	true	Test [sys_atf_test]	Global	100	29/06/2018 23:03:57
Relationship Filters	true	CMDB Policy Type [cmdb_policy_type]	Global	100	29/10/2021 06:54:30
Relationship Type Exclusions	true	Software Model [cmdb_software_product_model]	Global	100	04/04/2012 08:05:58
System Definition					
Relationships	true	Topic [topic]	Global	100	27/05/2020 05:28:14
Abort action if no license type	true	Portal Taxonomy [m2m_so_portal_taxonomy]	Global	100	29/03/2021 14:10:35
Abort Activation/Deactivation of topics	true	Asset [sys_asset]	Global	100	04/10/2019 15:49:41
Abort adding more than one taxonomy	true				
Abort addition of comment	true				

2. In that, open Daily Expenses Relationship.

The screenshot shows the ServiceNow Relationships page with the search bar set to 'Name' and 'Daily expenses'. The results table lists several relationships, with 'Daily Expenses' being the selected one. The table columns include Name, Advanced, Apply to, Applies to table, Queries from table, Insert callback, Query from, and Query with. The 'Daily Expenses' row has its details expanded, showing it applies to 'Family Expenses [u_family_expenses]' and has a 'Query with' script:

```
(function refineQuery(current, parent) {
```

3. For Applies to table : Select Family Expenses.

The screenshot shows the 'Relationship - Daily Expenses' page. The 'Name' field is set to 'Daily Expenses' and the 'Applies to table' dropdown is set to 'Family Expenses [u_family_expenses]'. Below the form, a note states: 'This script refines the query in current that will populate the related list. For more information about it, its parameters and control variables, see [the documentation](#). See also the article about the recommended form of the script.' A code editor window shows the 'Query with' script:

```
(function refineQuery(current, parent) {
```

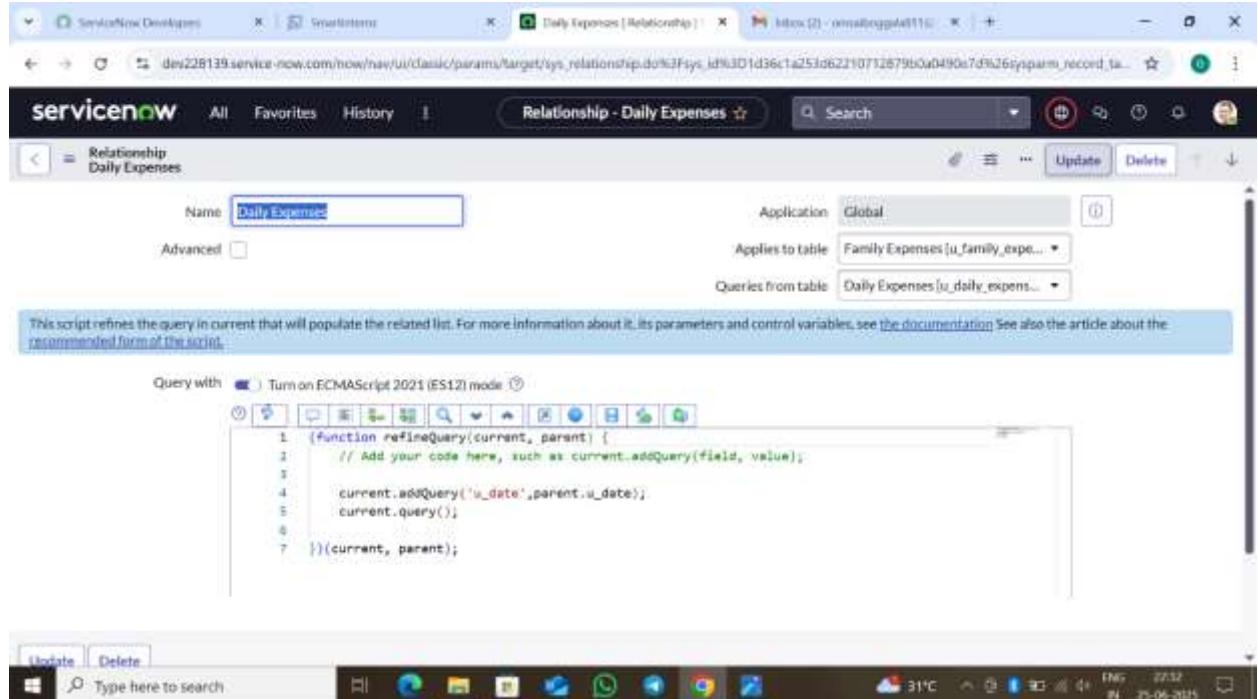
4. In Query with : write the below Query.

```
(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 on Update.

MILESTONE-9:

Conclusion

In conclusion, implementing the "Calculation of Family Expenses Using ServiceNow" project offers numerous benefits to the household. By leveraging the robust capabilities of ServiceNow, family members can efficiently submit, track, and manage their expenses in a centralized and streamlined manner.

-----THANKYOU-----