

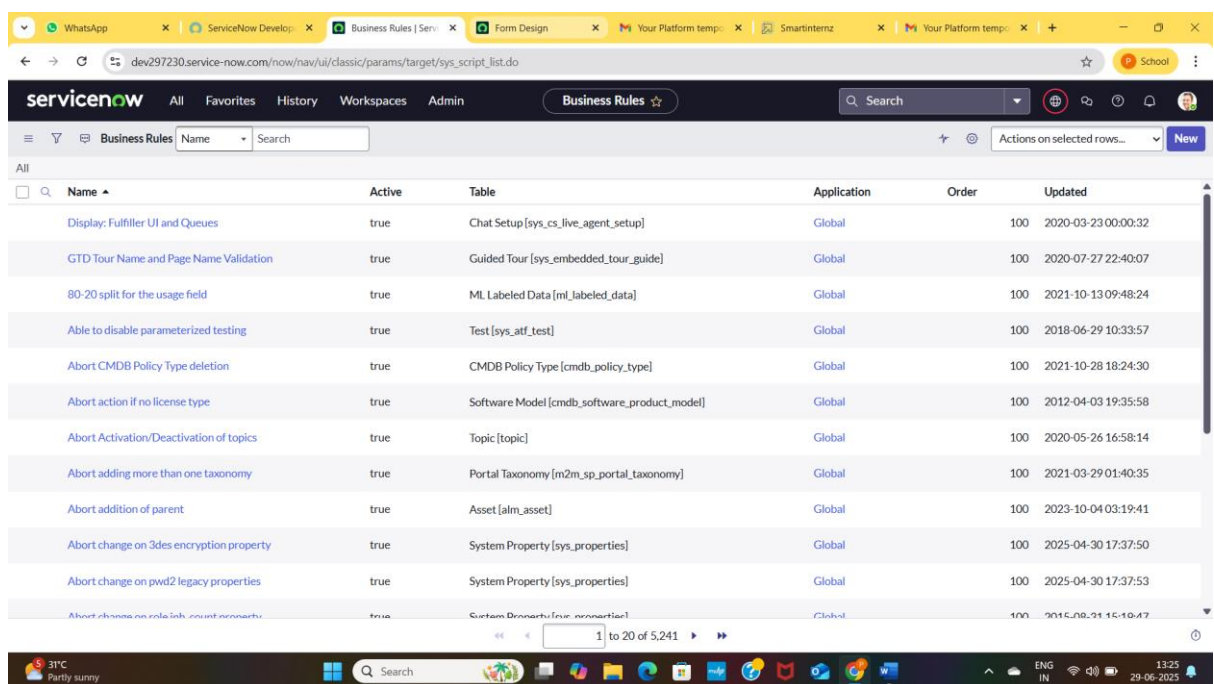
Creation of Business Rules

Team Id	LTVIP2025TMID29041
Project Name	Calculating family expenses
college	Kandula Lakshumma Memorial College of Engineering for Women
course	Computer Science Engineering

Creation of Business Rules

Automate backend logic and enforce business processes by executing Custom scripts when records are created, updated, deleted, or queried ensuring data consistency, validation, and process automation.

1. Go to All >> In the filter search for Business Rules.
2. Under System Definition Select Business Rules then click on New.



The screenshot displays the ServiceNow Business Rules management interface. The top navigation bar includes 'All', 'Favorites', 'History', 'Workspaces', and 'Admin'. The 'Business Rules' tab is selected. A search bar is present, and a table of rules is shown below. The table has columns for Name, Active, Table, Application, Order, and Updated. The first rule is 'Display: Fulfiller UI and Queues' with an order of 100 and an update date of 2020-03-23 00:00:32. The table is paginated, showing 1 to 20 of 5,241 rules.

Name	Active	Table	Application	Order	Updated
Display: Fulfiller UI and Queues	true	Chat.Setup[sys_cs_live_agent_setup]	Global	100	2020-03-23 00:00:32
GTD Tour Name and Page Name Validation	true	Guided Tour [sys_embedded_tour_guide]	Global	100	2020-07-27 22:40:07
80-20 split for the usage field	true	ML Labeled Data [ml_labeled_data]	Global	100	2021-10-13 09:48:24
Able to disable parameterized testing	true	Test [sys_atf_test]	Global	100	2018-06-29 10:33:57
Abort CMDB Policy Type deletion	true	CMDB Policy Type [cmdb_policy_type]	Global	100	2021-10-28 18:24:30
Abort action if no license type	true	Software Model [cmdb_software_product_model]	Global	100	2012-04-03 19:35:58
Abort Activation/Deactivation of topics	true	Topic [topic]	Global	100	2020-05-26 16:58:14
Abort adding more than one taxonomy	true	Portal Taxonomy [m2m_sp_portal_taxonomy]	Global	100	2021-03-29 01:40:35
Abort addition of parent	true	Asset [alm_asset]	Global	100	2023-10-04 03:19:41
Abort change on 3des encryption property	true	System Property [sys_properties]	Global	100	2025-04-30 17:37:50
Abort change on pwd2 legacy properties	true	System Property [sys_properties]	Global	100	2025-04-30 17:37:53
Abort changes on role inheritance properties	true	System Property [sys_properties]	Global	100	2015-08-24 15:10:42

3. Enter the Details:

Name : Family Expenses BR

Table : Select Daily Expenses

Check Advanced

The screenshot shows the ServiceNow Business Rule configuration interface. The 'Name' field is 'Family Expenses BR' and the 'Table' is 'Daily Expenses [u_st_u_auto_populated]'. The 'Application' is set to 'Global'. The 'Active' and 'Advanced' checkboxes are both checked. The 'When to run' tab is selected, showing 'When' set to 'before' and 'Order' set to '100'. The 'Filter Conditions' section is empty, with buttons for 'Add Filter Condition' and 'Add OR Clause'. The 'Actions' tab is also visible, showing 'Insert', 'Update', 'Delete', and 'Query' checkboxes, with 'Insert' and 'Update' checked. The 'Role conditions' section is at the bottom.

4. 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())
```

```
    {
```

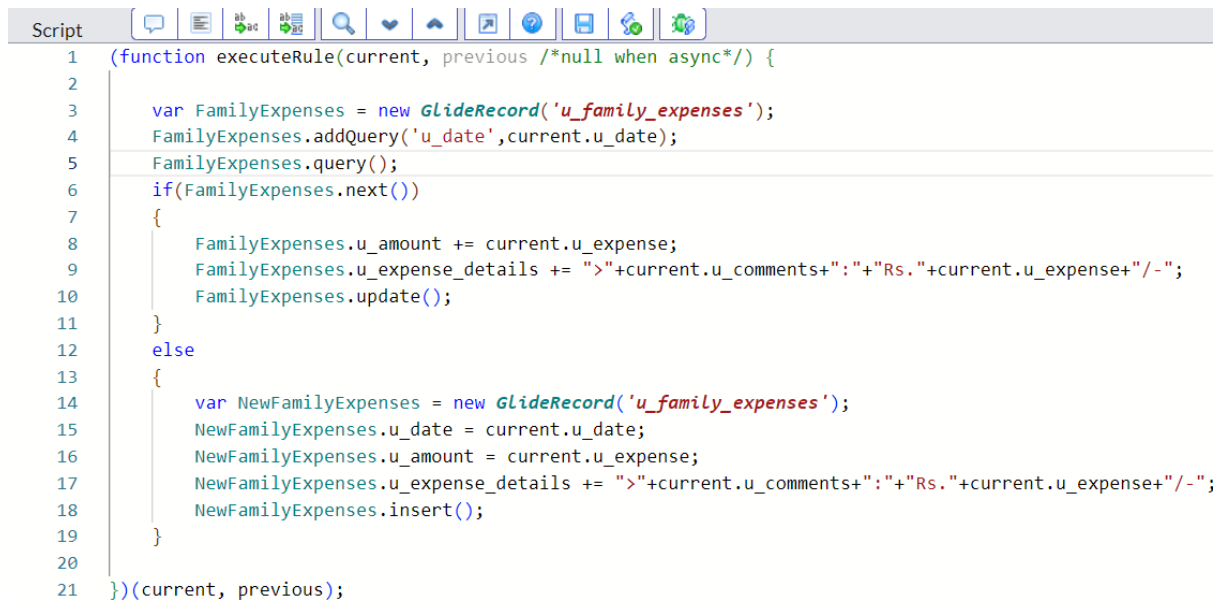
```
        FamilyExpenses.u_amount += current.u_expense;
```

```

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);

```



```

Script
1  (function executeRule(current, previous /*null when async*/) {
2
3      var FamilyExpenses = new GlideRecord('u_family_expenses');
4      FamilyExpenses.addQuery('u_date', current.u_date);
5      FamilyExpenses.query();
6      if(FamilyExpenses.next())
7      {
8          FamilyExpenses.u_amount += current.u_expense;
9          FamilyExpenses.u_expense_details += ">" + current.u_comments + ":" + "Rs." + current.u_expense + "/-";
10         FamilyExpenses.update();
11     }
12     else
13     {
14         var NewFamilyExpenses = new GlideRecord('u_family_expenses');
15         NewFamilyExpenses.u_date = current.u_date;
16         NewFamilyExpenses.u_amount = current.u_expense;
17         NewFamilyExpenses.u_expense_details += ">" + current.u_comments + ":" + "Rs." + current.u_expense + "/-";
18         NewFamilyExpenses.insert();
19     }
20
21 })(current, previous);

```

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