SMARTINTERNZ NAAN MUDHALVAN PROJECT

Project Title: Educational Organisation Using ServiceNow

Team ID: NM2025TMID20147

Team Size: 4

Team Leader: RAGAVENDRA D

Team member: SANTHOSH KUMAR S

Team member: GOKUL PRAKASH S

Team member: GOPINATH B

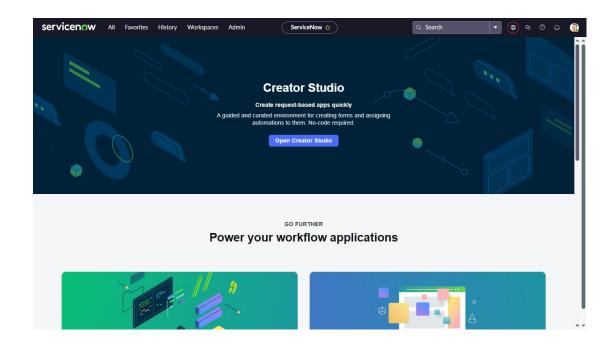
Problem Statement: Educational Organisation Using ServiceNow

Category: ServiceNow System Administartor

TASK INSTRUCTION WITH OUTPUT:

1-Setting up ServiceNow Instance

- 1. Sign up on the <u>ServiceNow Developer site</u> and log in.
- 2. Go to Personal Developer Instance.
- 3. Click **Request Instance** and fill in the details.
- 4. Check your email for instance credentials.
- 5. Log in to your new ServiceNow instance.



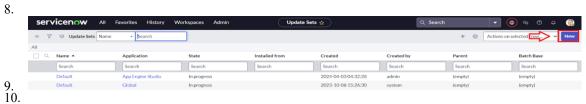
6. Creating a Update Set

a. Click on All >> Local update sets .



a. Click on new

7.



12. 3.Enter the Details Name: Educational Organisation >> Click on Submit and make Current.

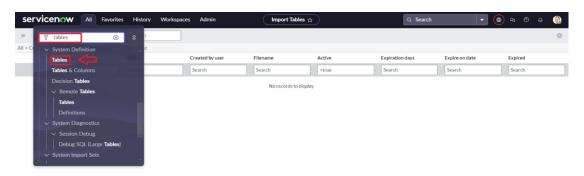
| ≡ Update Set New record | | | | 0 | 鸢 ··· Submit | Submit and Make Cu |
|----------------------------|----------------|---|-------------|--------|--------------|--------------------|
| * Name | New Update Set | | Application | Global | | 0 |
| State | In progress | ~ | | | | |
| Parent | | Q | D | | | |
| Release date | 6 | 苗 | | | | |
| Description | | | | | | |
| | | | | | | |
| | | | | | | |

3- Creating a Table

13.

Creating Salesforce Table.

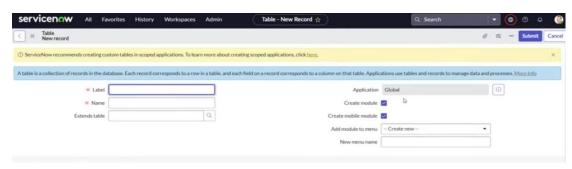
All >> Tables.



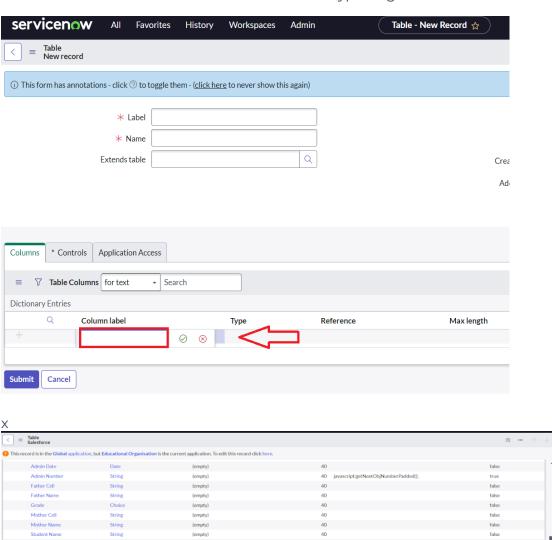
• Click on new



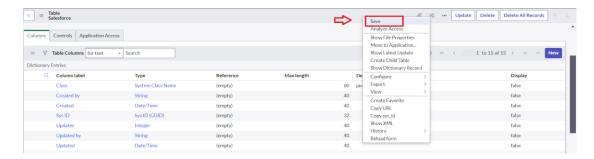
Enter the Label(Anything you want): Salesforce >> Click on Name it will
 Automatically generate Api name.



Create columns as given below, Double Click on Column label and Enter the
 Column labels and click on the tick mark >> Give Type as given .



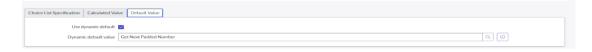
For "Admin Number" Give Display as True and right click on the toggle bar on top
 >> save.



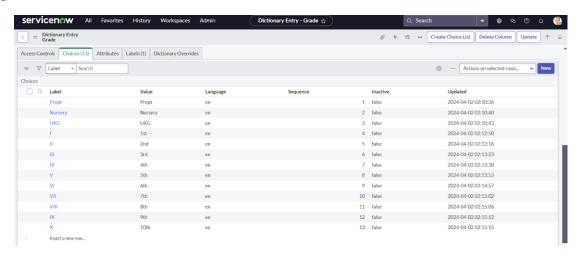
• Click on controls >> Enable Extensible.



Click on "Admin Number" column, In Related Links Click on Advanced View >>
 Default View (Enable Use dynamic default) >> select Get Next Padded Number in
 Dynamic default value >> Update .

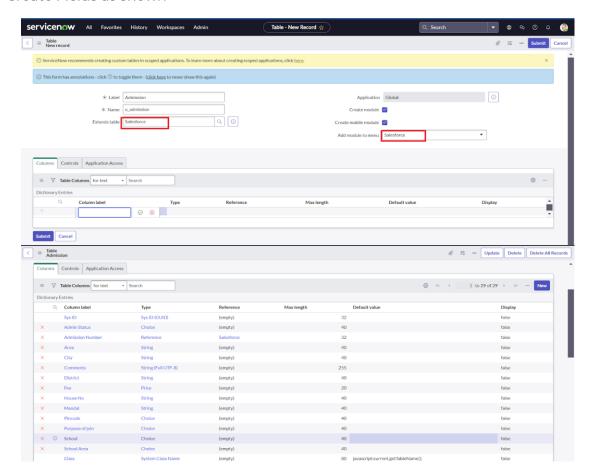


 Click on "Grade" Column >> Click on Choices and give Label, Value and Sequence as given below.

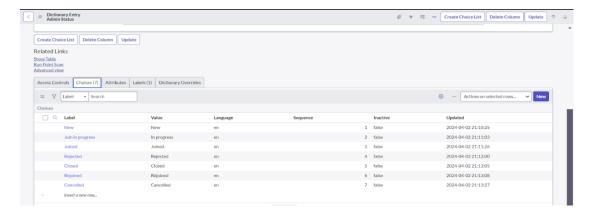


Creating Admission Table

- Create an Admission Table with Columns given.
- Select Extends Table >> Salesforce and also Select Add module to menu >> Salesforce.
- Create Fields as shown



• Create choice for Admin Status as:



• Create choice for Pincode as:



• Create choice for Purpose of Join as:



• Create choice for School as:



• Create choice for School Area as:



Creating Student Progress Table

- Create a Student Progress Table with Columns given.
- Select Add module to menu >> Salesforce.
- Create Fields as shown:



Form Layout

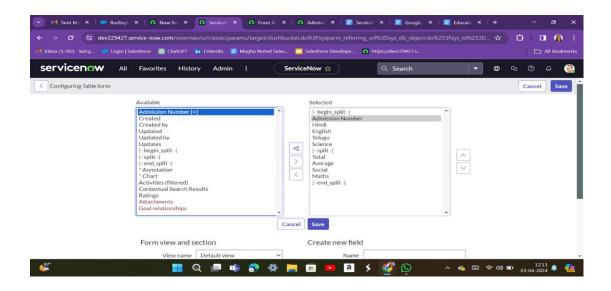
Configuring Table form for Student Progress

Table

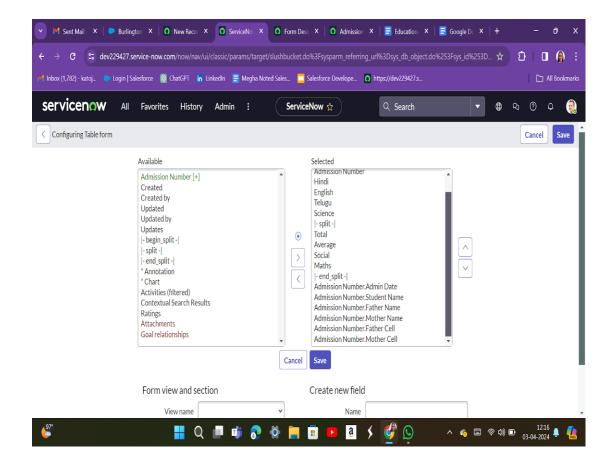
• In the Student Progress Table Page, Click on Layout form.



• Click on Admission Number [+].



Select below Admission Number fields in Available side and send it to selected side
 as below >> save.



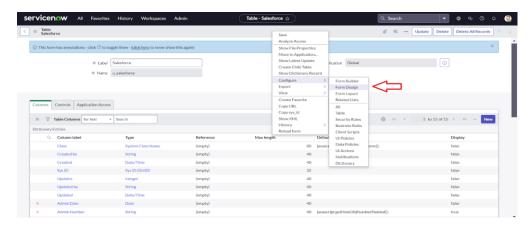
Form Design

Creating Form Design for Salesforce Table

- 1. All >> System Definition >> Tables .
- 2. In Label Search for Salesforce and open.



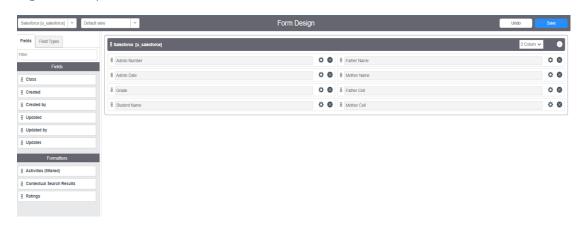
3. Right Click on top Toggle >> Configure >> Form Design.



4. In drop down select Salesforce(u_salesforce).



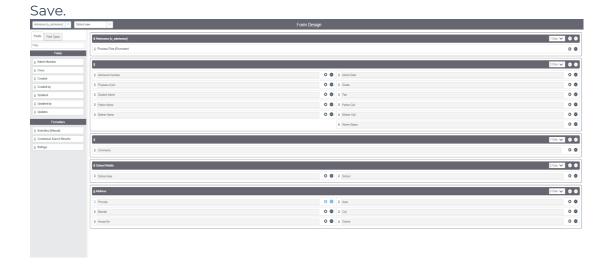
5. Drag and drop the fields to the left side as below.



6.Save.

Creating Form Design for Admission Table

Follow the same steps as Activity1, Configure the fields as below and



Creating Form Design for Student progress

Table

Follow the same steps as Activity1, Configure the fields as below and

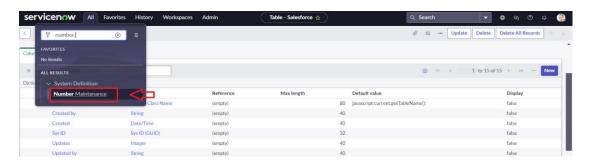


Number Maintenance

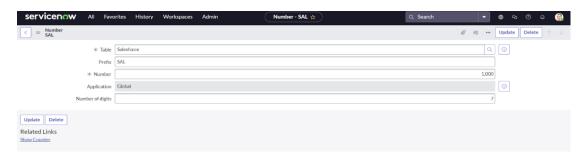
Creating Number Maintenance for Admin

Number

All >> Number Maintenance >> New



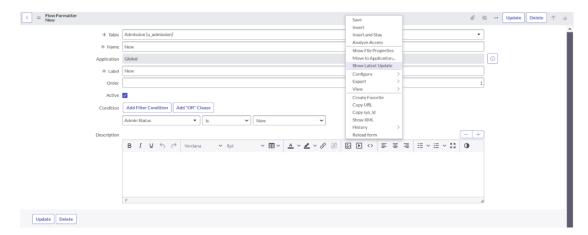
• Fill the details >> Submit.



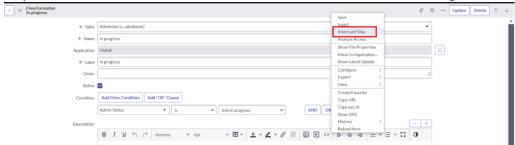
Process Flow

Creating Process Flow for Admission Table

- All >> Process Flow>> New.
- Fill the Details as given Below



- Right Click on toggle and click on the save .
- Replace the Name and Label as below and click on Insert on stay.



• Replace the Name and Label in order and click on Insert on stay.

Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

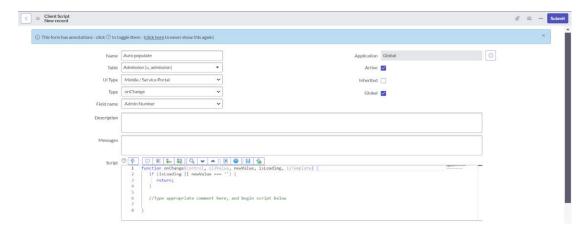
Order should be New >> InProgress >> Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

Client Script

Creating "Auto populate" Client Scripts for

Admission Table

- All >> Client Scripts >> New.
- Fill the Details as given.



```
function onChange(control, oldValue, newValue, isLoading,
isTemplate) {
  if (isLoading || newValue === ") {
    return;
  }

//Type appropriate comment here, and begin script below
  var a = g_form.getReference('u_admission_number');
  g_form.setValue('u_admin_date',a.u_admin_date);
  g_form.setValue('u_grade',a.u_grade);
  g_form.setValue('u_student_name',a.u_student_name);
```

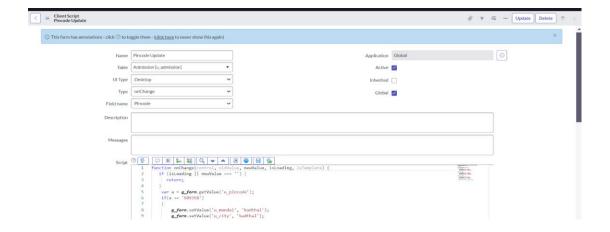
```
g_form.setValue('u_father_name',a.u_father_name);
g_form.setValue('u_mother_name',a.u_mother_name);
g_form.setValue('u_father_cell',a.u_father_cell);
g_form.setValue('u_mother_cell',a.u_mother_cell);

g_form.setDisabled('u_admin_date',a.u_admin_date);
g_form.setDisabled('u_grade',a.u_grade);
g_form.setDisabled('u_student_name',a.u_student_name);
g_form.setDisabled('u_father_name',a.u_father_name);
g_form.setDisabled('u_mother_name',a.u_mother_name);
g_form.setDisabled('u_father_cell',a.u_father_cell);
g_form.setDisabled('u_mother_cell',a.u_mother_cell);
```

Note: Make sure the Field names should be the same as you created .

Creating "Pincode Update" Client Scripts for Admission Table

• Fill the Details as given.



```
function on Change (control, old Value, new Value, is Loading,
isTemplate) {
 if (isLoading || newValue === ") {
   return;
 }
 var a = g_form.getValue('u_pincode');
if(a == '509358')
{
g_form.setValue('u_mandal', 'kadthal');
g_form.setValue('u_city', 'kadthal');
g_form.setValue('u_district', 'RangaReddy');
else if(a == '500081')
{
g_form.setValue('u_mandal', 'karmanghat');
g_form.setValue('u_city', 'karmanghat');
```

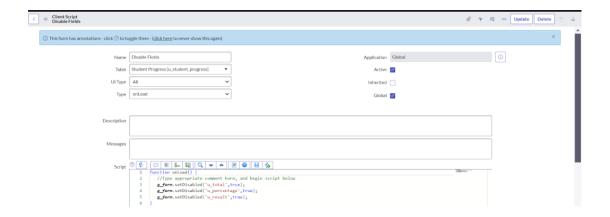
```
g_form.setValue('u_district', 'RangaReddy');

else if(a == '500079')
{
    g_form.setValue('u_mandal', 'Abids');
    g_form.setValue('u_city', 'AsifNagar');
    g_form.setValue('u_district', 'Hyderabad');
}

//Type appropriate comment here, and begin script below
}
```

Creating "Disable Fields" Client Scripts for Student progress Table

• Fill the Details as given.



• Write the Code as below, Enable Isolate script and Save.

```
function onLoad() {

//Type appropriate comment here, and begin script below

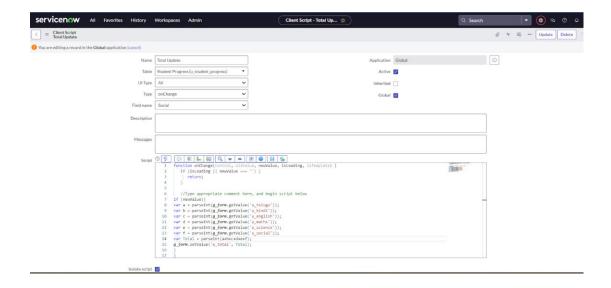
g_form.setDisabled('u_total',true);

g_form.setDisabled('u_percentage',true);

g_form.setDisabled('u_result',true);
}
```

Creating "Total Update" Client Scripts for Student progress Table

• Fill the Details as given.



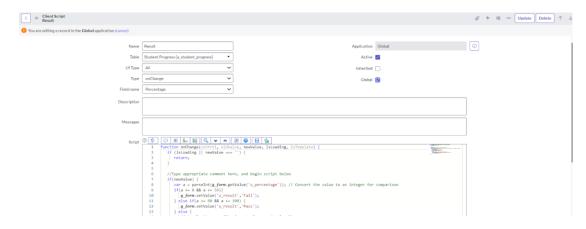
```
function onChange(control, oldValue, newValue, isLoading,
isTemplate) {
   if (isLoading || newValue === ") {
      return;
   }

   //Type appropriate comment here, and begin script below
   if (newValue) {
      var a = parseInt(g_form.getValue('u_telugu'));
      var b = parseInt(g_form.getValue('u_hindi'));
      var c = parseInt(g_form.getValue('u_english'));
      var d = parseInt(g_form.getValue('u_maths'));
      var e = parseInt(g_form.getValue('u_science'));
      var f = parseInt(g_form.getValue('u_social'));
}
```

```
var Total = parseInt(a+b+c+d+e+f);
g_form.setValue('u_total', Total);
}
```

Creating "Result" Client Scripts for Student progress Table

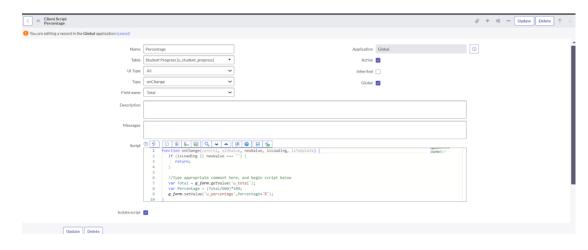
• Fill the Details as given.



```
function on Change (control, old Value, new Value, is Loading,
isTemplate) {
 if (isLoading || newValue === ") {
   return;
 }
 //Type appropriate comment here, and begin script below
 if(newValue) {
   var a = parseInt(g_form.getValue('u_percentage')); // Convert the
value to an integer for comparison
   if(a >= 0 \&\& a <= 59){
    g_form.setValue('u_result','Fail');
   } else if(a >= 60 && a <= 100) {
    g_form.setValue('u_result','Pass');
   } else {
    // Handle the case if a is out of range (optional)
    g_form.addErrorMessage('Percentage should be between 0 and
100.');
    g_form.clearValue('u_result');
   }
```

Creating "Percentage" Client Scripts for Student progress Table

Fill the Details as given.

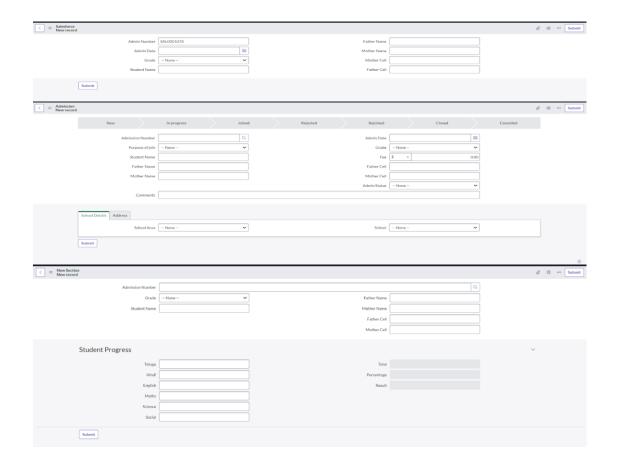


```
function onChange(control, oldValue, newValue, isLoading,
isTemplate) {
  if (isLoading || newValue === ") {
    return;
  }

//Type appropriate comment here, and begin script below
  var Total = g_form.getValue('u_total');
```

```
var Percentage = (Total/600)*100;
g_form.setValue('u_percentage',Percentage+'%');
}
```

Result



CONCLUSION:

The project "Educational Organisation using ServiceNow" demonstrates how the platform can be customized to manage and track household expenses efficiently by creating tables for family members and expenses, establishing relationships, and applying queries. It shows the flexibility of ServiceNow in addressing real-life scenarios beyond IT services, while also improving skills in table creation, form design, and data management. This project provides a simple yet effective solution for maintaining expense records and lays the foundation for further enhancements like reports and dashboards for better financial planning.