

EDUCATIONAL ORGANISATION USING SERVICENOW

TEAM ID: NM2025TMID20219

TEAM MEMBERS:4

TEAM LEADER: HEMAVARSHINI M

TEAM MEMBER: PAVITHRA S

TEAM MEMBER: MALAR V

TEAM MEMBER: SANDHIYA G

PROJECT STATEMENT:

This service now project aim focus on leveraging the platform to manage academic and administrative projects, likely by defining a new project with a clear goal to improve student services, streamline facilities management, or enhance staff productivity. The project statement would outline the problem (e.g., inefficient manual processes), the proposed solution (implementing ServiceNow project management for specific workflows), the expected outcomes and the key stakeholders involved, ultimately demonstrating how ServiceNow will enable

digital transformation and more efficient operations within the institution.

OBJECTIVE:

The objective of a ServiceNow project in an educational organization is to centralize and automate institutional processes to improve efficiency, enhance student and staff experiences, reduce operational costs, and foster a more agile and connected environment.

SKILLS:

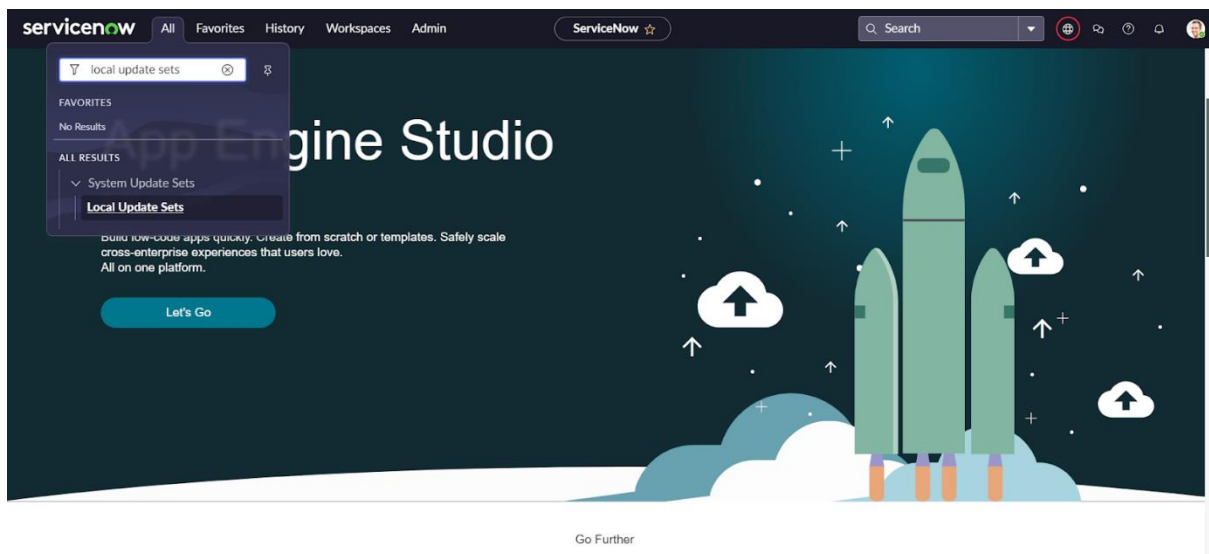
Educational institutions use ServiceNow skills to Key skills include platform administration, development (scripting, application building), IT asset management, and process automation.

TASK INITIATION

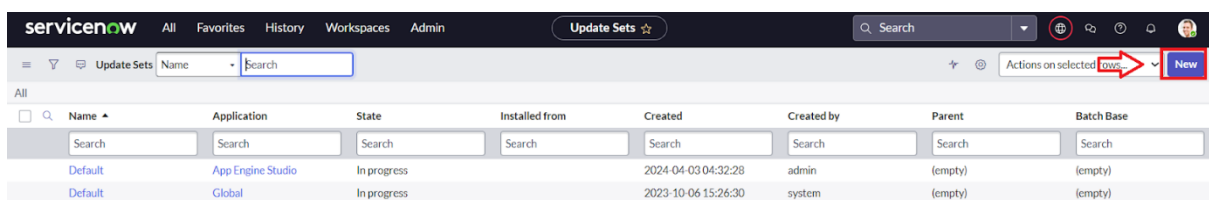
Milestone 1: A NEW UPDATE SET

Activity 1: Creating a Update Set

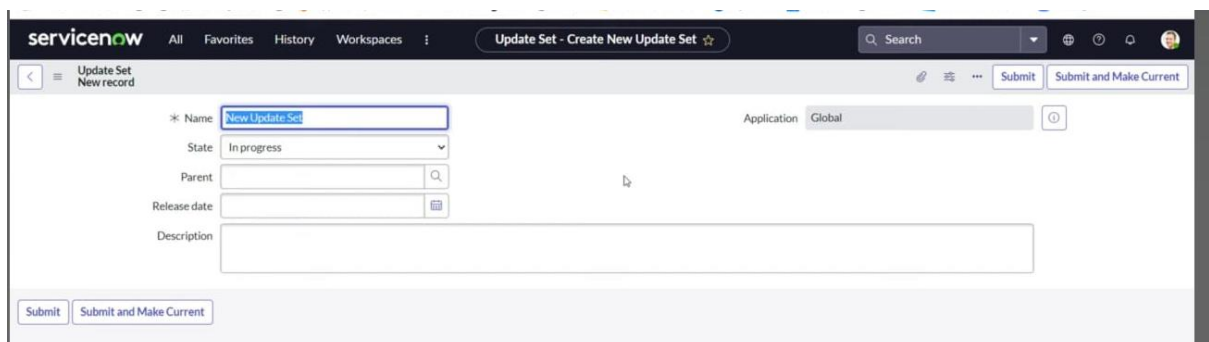
- 1. Open service now**
- 2. Click on All >> Local update sets .**



3. Click on new



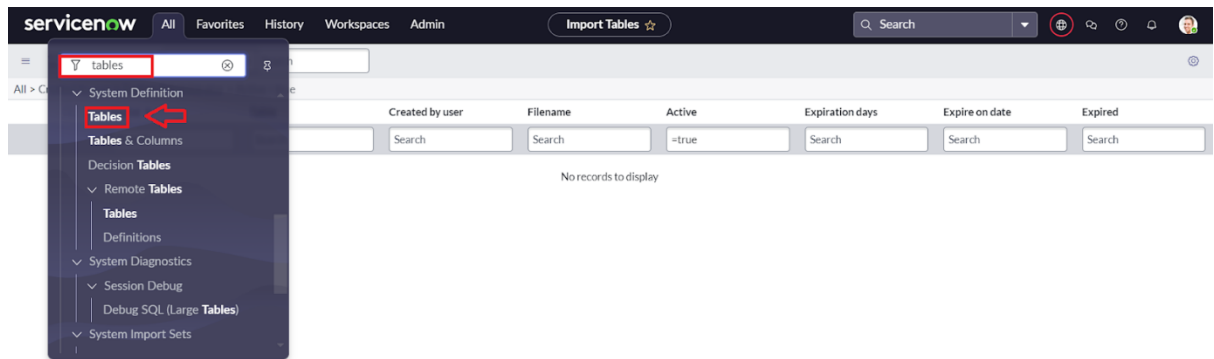
4. Enter the Details Name: Educational Organisation >> Click on Submit and make Current.



MILESTONES 2: Creating a Table

Activity 1: Creating Salesforce Table.

1. All >> Tables.



2. Click on new

Label	Name	Extends table	Extensible	Updated
Search	Search	Search	Search	Search
Adaptive Authentication Event	adaptive_auth_event	(empty)	false	2024-03-29 07:44:59
Agent Assist Recommendation	agent_assist_recommendation	Application File	false	2023-10-06 15:44:09
MID Server File	agent_file	(empty)	false	2023-10-06 15:29:08
Record Producer Configuration	aisa_rp_config	Application File	false	2023-10-06 15:47:19
Search Actions	aisa_ui_action	Application File	false	2023-10-06 15:47:19
AI Search ACL Overrides	ais_acl_overrides	Application File	false	2023-10-06 15:15:20
AI Search Active Table Ingestion Tracker	ais_active_table_ingestion_tracker	(empty)	false	2023-10-06 15:15:18

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

4. 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 .

servicenow All Favorites History Workspaces Admin **Table - New Record** ☆

< Table
New record

ⓘ This form has annotations - click ⓘ to toggle them - ([click here](#) to never show this again)

* Label

* Name

Extends table 🔍

Cre
Ad

Columns * Controls Application Access

Table Columns for text Search

Dictionary Entries

	Column label	Type	Reference	Max length
+	<input type="text"/>	✓ ✗		

Submit Cancel

Table Salesforce

ⓘ This record is in the Global application, but Educational Organisation is the current application. To edit this record click [here](#).

Column label	Type	Reference	Max length	Display
Admin Date	Date	(empty)	40	false
Admin Number	String	(empty)	40	javascript.getNextObjNumberPadded();
Father Cell	String	(empty)	40	false
Father Name	String	(empty)	40	false
Grade	Choice	(empty)	40	false
Mother Cell	String	(empty)	40	false
Mother Name	String	(empty)	40	false
Student Name	String	(empty)	40	false

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

Table Salesforce

Columns Controls Application Access

Table Columns for text Search


Dictionary Entries

Column label	Type	Reference	Max length	Display
Class	System Class Name	(empty)	80	false
Created by	String	(empty)	40	false
Created	Date/Time	(empty)	40	false
Sys ID	Sys ID (GUID)	(empty)	32	false
Updates	Integer	(empty)	40	false
Updated by	String	(empty)	40	false
Updated	Date/Time	(empty)	40	false

Save
Analyze Access
Show File Properties
Move to Application...
Show Latest Update
Create Child Table
Show Dictionary Record
Configure
Export
View
Create Favorite
Copy URL
Copy sys_id
Copy sys_id
Show XML
History
Reload form

6. Click on controls >> Enable Extensible.

Columns **Controls** Application Access

Extensible ☒ 



Live feed ☐

Prefix

Number

Number of digits



Create access controls ☒

* User role  


7. 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.






Choice List Specification Calculated Value **Default Value**

Use dynamic default ☒




Dynamic default value  

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

servicenow All Favorites History Workspaces Admin Dictionary Entry - Grade 

Dictionary Entry Grade  Search    

Access Controls **Choices (13)** Attributes Labels (1) Dictionary Overrides

Label  Search  Actions on selected rows... 

Choices

<input type="checkbox"/>	Label	Value	Language	Sequence	Inactive	Updated
<input type="checkbox"/>	Prept	Prept	en	1	false	2024-04-02 02:10:36
<input type="checkbox"/>	Nursery	Nursery	en	2	false	2024-04-02 02:10:40
<input type="checkbox"/>	UKG	UKG	en	3	false	2024-04-02 02:10:43
<input type="checkbox"/>	I	1st	en	4	false	2024-04-02 02:12:50
<input type="checkbox"/>	II	2nd	en	5	false	2024-04-02 02:13:16
<input type="checkbox"/>	III	3rd	en	6	false	2024-04-02 02:13:23
<input type="checkbox"/>	IV	4th	en	7	false	2024-04-02 02:13:30
<input type="checkbox"/>	V	5th	en	8	false	2024-04-02 02:13:53
<input type="checkbox"/>	VI	6th	en	9	false	2024-04-02 02:14:57
<input type="checkbox"/>	VII	7th	en	10	false	2024-04-02 02:15:02
<input type="checkbox"/>	VIII	8th	en	11	false	2024-04-02 02:15:06
<input type="checkbox"/>	IX	9th	en	12	false	2024-04-02 02:15:12
<input type="checkbox"/>	X	10th	en	13	false	2024-04-02 02:15:15

+ Insert a new row...

Activity:2 Creating Admission Table

1. Create an Admission Table with Columns given.

2. Select Extends Table >> Salesforce and also
Select Add module to menu >> Salesforce.
3. Create Fields as shown

ServiceNow recommends creating custom tables in scoped applications. To learn more about creating scoped applications, click [here](#).

This form has annotations - click ⓘ to toggle them - [click here](#) to never show this again

* Label: Admission
* Name: u_admission
Extends table: Salesforce
Application: Global
Create module: ☒
Create mobile module: ☒
Add module to menu: Salesforce

Columns Controls Application Access

Table Columns for text Search

Dictionary Entries

Column label	Type	Reference	Max length	Default value	Display

Submit Cancel

Table Admission

Columns Controls Application Access

Table Columns for text Search

Dictionary Entries

Column label	Type	Reference	Max length	Default value	Display
Sys ID	Sys ID (GUID)	(empty)	32		false
Admin Status	Choice	(empty)	40		false
Admission Number	Reference	Salesforce	32		false
Area	String	(empty)	40		false
City	String	(empty)	40		false
Comments	String (Full UTF-8)	(empty)	255		false
District	String	(empty)	40		false
Fee	Price	(empty)	20		false
House No	String	(empty)	40		false
Mandal	String	(empty)	40		false
Pincode	Choice	(empty)	40		false
Purpose of join	Choice	(empty)	40		false
School	Choice	(empty)	40		false
School Area	Choice	(empty)	40		false
Class	System Class Name	(empty)	80	javascript:current.getTableNamed();	false

4. Create choice for Admin Status as:

Dictionary Entry Admin Status

Create Choice List Delete Column Update

Related Links
[Show Table](#)
[Run Point Scan](#)
[Advanced view](#)

Access Controls Choices (7) Attributes Labels (1) Dictionary Overrides

Label Search

Actions on selected rows... New

Label	Value	Language	Sequence	Inactive	Updated
New	New	en		1 false	2024-04-02 21:10:25
Join In progress	In progress	en		2 false	2024-04-02 21:11:03
Joined	Joined	en		3 false	2024-04-02 21:11:26
Rejected	Rejected	en		4 false	2024-04-02 21:12:00
Closed	Closed	en		5 false	2024-04-02 21:13:05
Rejoined	Rejoined	en		6 false	2024-04-02 21:13:08
Cancelled	Cancelled	en		7 false	2024-04-02 21:13:27
+ Insert a new row...					

5. Create choice for Pincode as:

Access Controls Choices (3) Attributes Labels (1) Dictionary Overrides

Label Search

Actions on selected rows... New

Label	Value	Language	Sequence	Inactive	Updated
509358	509358	en		1 false	2024-04-02 21:15:19
500079	500079	en		2 false	2024-04-02 21:15:46
500081	500081	en		3 false	2024-04-02 21:16:05
+ Insert a new row...					

6. Create choice for Purpose of Join as:

Access Controls Choices (3) Attributes Labels (1) Dictionary Overrides

Label Search

Actions on selected rows... New

Label	Value	Language	Sequence	Inactive	Updated
Tuition	Tuition	en		1 false	2024-04-02 21:17:09
Coaching	Coaching	en		2 false	2024-04-02 21:17:31
Teacher	Teacher	en		3 false	2024-04-02 21:17:53
+ Insert a new row...					

7. Create choice for School as:

Access Controls Choices (2) Attributes Labels (1) Dictionary Overrides

Label Search

Actions on selected rows... New

Label	Value	Language	Sequence	Inactive	Updated
Stanley	Stanley	en		1 false	2024-04-02 21:19:14
Naresh It	Naresh It	en		2 false	2024-04-02 21:19:35
+ Insert a new row...					

8. Create choice for School Area as:

Access Controls Choices (2) Attributes Labels (1) Dictionary Overrides

Label Search

Actions on selected rows... New

Label	Value	Language	Sequence	Inactive	Updated
Near Market	Near Market	en		1 false	2024-04-02 21:20:53
Near Bus Stand	Near Bus Stand	en		2 false	2024-04-02 21:21:24
+ Insert a new row...					

• Activity:3 Creating Student Progress Table

1.Create a Student Progress Table with Columns given.

2.Select Add module to menu >> Salesforce.

3.Create Fields as shown:

×	Admission Number	Reference	Salesforce	32	false
×	English	String	(empty)	40	false
×	Hindi	String	(empty)	40	false
×	Maths	String	(empty)	40	false
×	Percentage	String	(empty)	40	false
×	Result	String	(empty)	40	false
×	Science	String	(empty)	40	false
×	Social	String	(empty)	40	false
×	Telugu	String	(empty)	40	false
×	Total	String	(empty)	40	false
+	Insert a new row...				

MILESTONES 3: Form Layout

Activity 1: Configuring Table form for Student Progress Table

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

< ≡

Table student progress

×	Telugu	String	(empty)	40
×	Total	String	(empty)	40
+	Insert a new row...			

Update

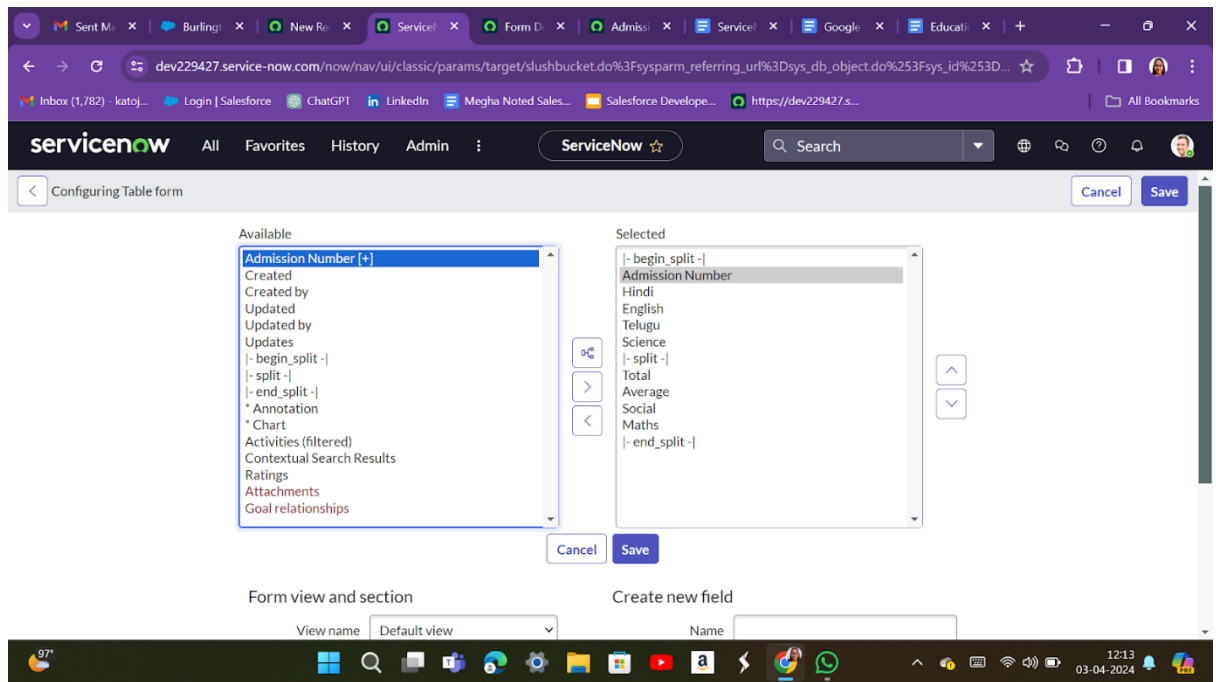
Delete

Delete All Records

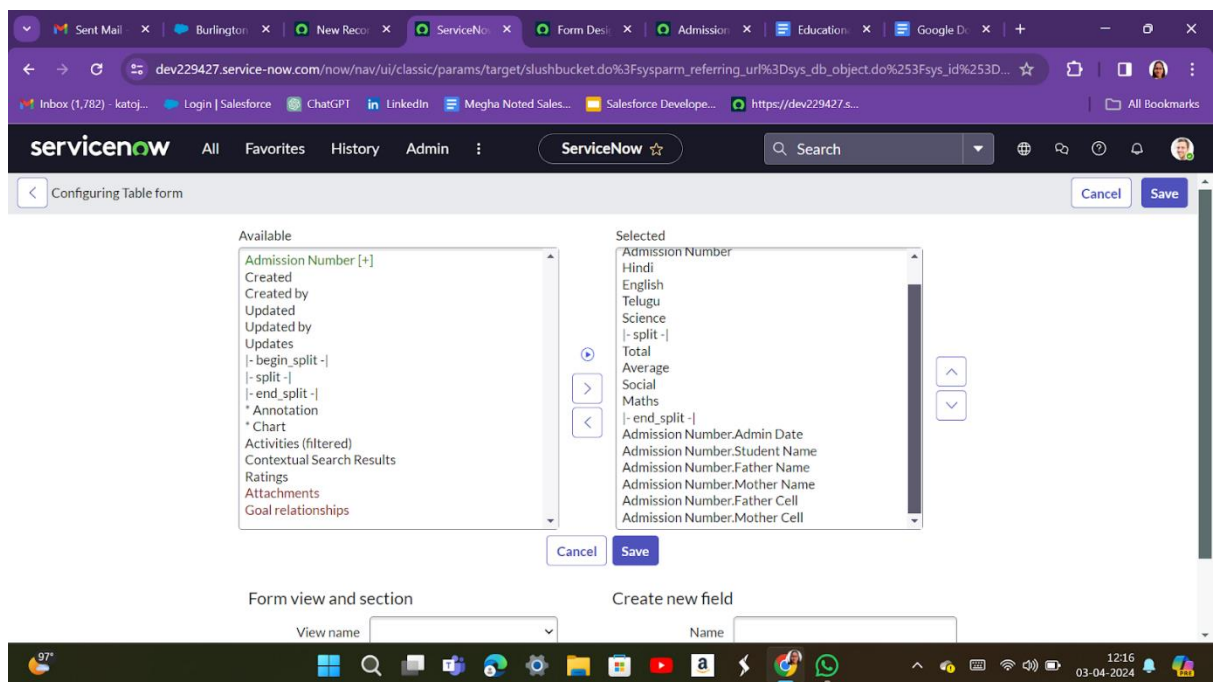
Related Links

[Design Form](#)
[Layout Form](#)
[Layout List](#)
[Show Form](#)
[Show List](#)
[Show Schema Map](#)
[Add to Service Catalog](#)
[Run Point Scan](#)
[Explore REST API](#)

2. Click on Admission Number [+].



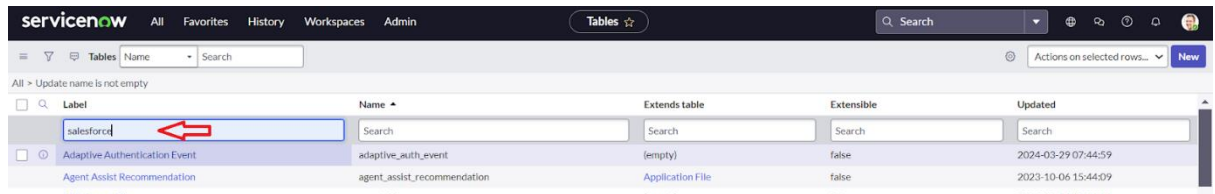
3. Select below Admission Number fields in Available side and send it to selected side as below >> save.



MILESTONES:4 Form Design

Activity:1 Creating Form Design for Salesforce Table

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



Label	Name	Extends table	Extensible	Updated
Adaptive Authentication Event	adaptive_auth_event	(empty)	false	2024-03-29 07:44:59
Agent Assist Recommendation	agent_assist_recommendation	Application File	false	2023-10-06 15:44:09

3. Right Click on top Toggle >> Configure >> FormDesign.

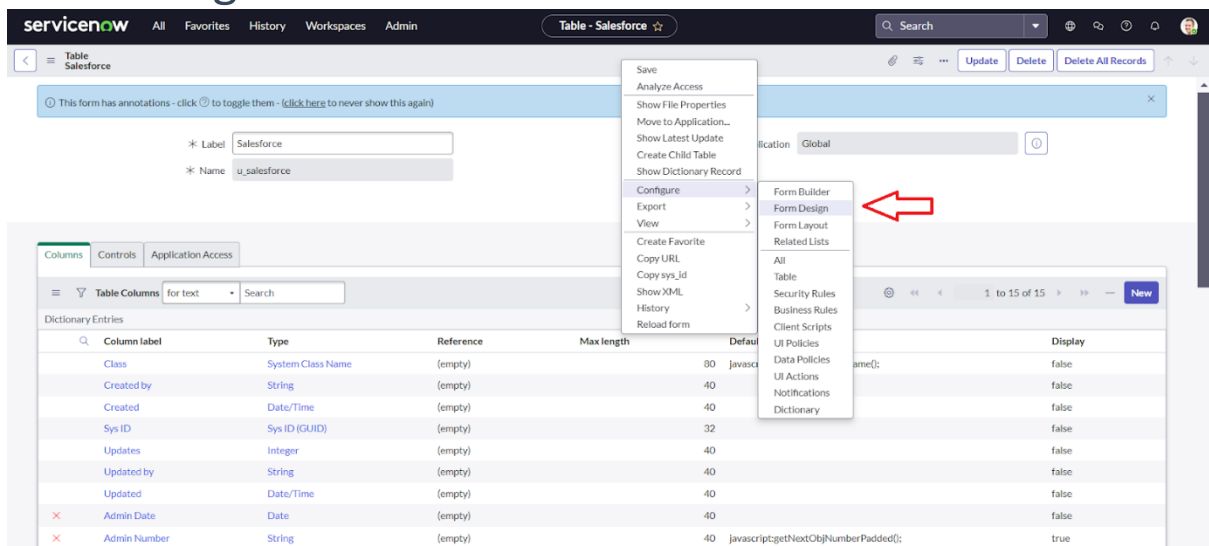
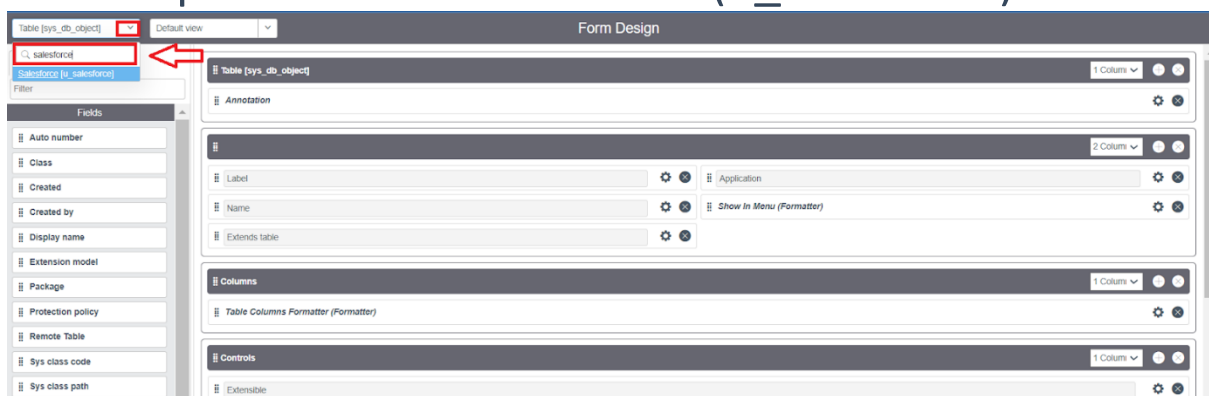


Table Columns

Column label	Type	Reference	Max length	Default	Display
Class	System Class Name	(empty)	80	javascript:nextObj.NumberPadded();	false
Created by	String	(empty)	40		false
Created	Date/Time	(empty)	40		false
Sys ID	Sys ID (GUID)	(empty)	32		false
Updates	Integer	(empty)	40		false
Updated by	String	(empty)	40		false
Updated	Date/Time	(empty)	40		false
Admin Date	Date	(empty)	40		false
Admin Number	String	(empty)	40	javascript:nextObj.NumberPadded();	true

4. In drop down select Salesforce(u_salesforce).



Form Design

Table [sys_db_object] Default view

Fields

- Auto number
- Class
- Created
- Created by
- Display name
- Extension model
- Package
- Protection policy
- Remote Table
- Sys class code
- Sys class path

Table Columns

Table Columns Formatter (Formatter)

Controls

Extensible

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

The screenshot shows the Salesforce Form Design interface for the 'Salesforce [u_salesforce]' form. The left sidebar contains a 'Fields' section with a list of fields: Admin Number, Admin Date, Grade, Student Name, Father Name, Mother Name, Father Cell, and Mother Cell. The main area shows the form layout with these fields arranged in two columns. The 'Formatters' section is also visible on the left sidebar.

6. Save.

Activity 2: Creating Form Design for Admission Table

1. Follow the same steps as Activity1, Configure the fields as below and Save.

The screenshot shows the Salesforce Form Design interface for the 'Admission [u_admission]' form. The left sidebar contains a 'Fields' section with a list of fields: Admin Number, Class, Created, Created by, Updated, Updated by, Updates, Admission Number, Admission Date, Purpose of join, Student Name, Father Name, Mother Name, Admin Status, Comments, School Area, School, Address, Pincode, Area, Ward, City, House No, and District. The main area shows the form layout with these fields arranged in multiple sections: Admission [u_admission], Purpose of join (Formater), Admission Number, Admission Date, Purpose of join, Grade, Fee, Father Cell, Mother Cell, Admin Status, Comments, School Details, School Area, School, Address, Pincode, Area, Ward, City, House No, and District.

Activity 3: Creating Form Design for Student progress Table

1. Follow the same steps as Activity1, Configure the fields as below and Save.

The screenshot shows the 'Form Design' interface for a table named 'Student Progress'. The interface is divided into three main sections: 'Fields', 'Formatters', and 'New Section'.

- Fields:** A list of fields is shown on the left, including 'Class', 'Created', 'Created by', 'Social', 'Updated', 'Updated by', and 'Updates'.
- Formatters:** A list of formatters is shown on the left, including 'Activities (filtered)', 'Contextual Search Results', and 'Ratings'.
- New Section:** The main area shows a configuration for a new section. It includes a 'New Section' header and a list of fields to be added to the section. The fields are:
 - Admission Number
 - Admission Number Grade
 - Admission Number Student Name
 - Admission Number Father Name
 - Admission Number Mother Name
 - Admission Number Father Cell
 - Admission Number Mother Cell

MILESTONES:5 Number Maintenance

Activity:1 Creating Number Maintenance for Admin Number

1. All >> Number Maintenance >> New

The screenshot shows the 'servicenow' interface. The top navigation bar includes 'All', 'Favorites', 'History', 'Workspaces', and 'Admin'. The main area displays a table with columns: 'Class Name', 'Reference', 'Max length', 'Default value', and 'Display'. A search bar is visible at the top left, and a 'New' button is at the bottom right. A red box highlights the 'Number Maintenance' option in the search results.

Class Name	Reference	Max length	Default value	Display	
Created by	String	(empty)	80	javascript:current.getTable();	false
Created	Date/Time	(empty)	40		false
Sys ID	Sys ID (GUID)	(empty)	32		false
Updates	Integer	(empty)	40		false
Updated by	String	(empty)	40		false

2. Fill the details >> Submit.

The screenshot shows the 'servicenow' interface for the 'Number - SAL' form. The form includes fields for 'Table', 'Prefix', 'Number', 'Application', and 'Number of digits'. The 'Table' field is set to 'Salesforce', 'Prefix' is 'SAL', 'Number' is '1,000', 'Application' is 'Global', and 'Number of digits' is '7'. There are 'Update' and 'Delete' buttons at the bottom.

Related Links
[Show Counter](#)

MILESTONES:6 Process Flow

Activity:1 Creating Process Flow for Admission Table

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

Flow Formatter New

* Table: Admission [u_admission]

* Name: New

Application: Global

* Label: New

Order:

Active: ☒

Condition: Add Filter Condition Add "OR" Clause

Admin Status is New

Description:

Update Delete

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

Flow Formatter In progress

* Table: Admission [u_admission]

* Name: In progress

Application: Global

* Label: In progress

Order:

Active: ☒

Condition: Add Filter Condition Add "OR" Clause

Admin Status is Join in progress

Description:

Update Delete

5. Replace the Name and Label in order and click on Insert on stay.
- Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

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

MILESTONES :7 Client Script

Activity:1 Creating “Auto populate” Client Scripts for Admission Table

1. All >> Client Scripts >> New.

2. Fill the Details as given.

The screenshot shows the 'Client Script New record' form in ServiceNow. The form includes the following fields and values:

- Name: Auto populate
- Table: Admission[u_admission]
- UI Type: Mobile / Service Portal
- Type: onChange
- Field name: Admin Number
- Application: Global
- Active: ☒
- Inherited: ☐
- Global: ☒

The Description and Messages fields are empty. The Script field contains the following code:

```
1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5   //Type appropriate comment here, and begin script below
6
7
8 }
```

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

```
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 .

Activity:2 Creating “Pincode Update” Client Scripts for Admission Table

- 1. Fill the Details as given.

The screenshot shows the Salesforce Client Script configuration page for a script named 'Pincode Update'. The script is associated with the 'Admission [u_admission]' table and is triggered on the 'Pincode' field when the value changes. The script is set to be active, inherited, and global. The script code is as follows:

```
1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5   var a = g_form.getValue('u_pincode');
6   if(a == '589358') {
7     {
8       g_form.setValue('u_mandal', 'kadthal');
9       g_form.setValue('u_city', 'kadthal');
10    }
11 }
```

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

```
function onChange(control, oldValue, newValue,  
isLoading, 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

```
}
```

Activity:3 Creating “Disable Fields” Client Scripts for Student progress Table

1. Fill the Details as given.

The screenshot shows the 'Client Script' configuration window for a script named 'Disable Fields'. The script is associated with the 'Student Progress [u_student_progress]' table and is triggered on the 'onLoad' event. It is configured as a 'Global' application, is 'Active', and is not 'Inherited'. The 'Script' section contains the following code:

```

1 function onLoad() {
2   //Type appropriate comment here, and begin script below
3   g_form.setDisabled('u_total',true);
4   g_form.setDisabled('u_percentage',true);
5   g_form.setDisabled('u_result',true);
6 }

```

- 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);
}

```

Activity:4 Creating “Total Update” Client Scripts for Student progress Table

- 1. Fill the Details as given.

The screenshot shows the ServiceNow Client Script configuration interface. The 'Name' field is 'Total Update'. The 'Table' is 'Student Progress (u_student_progress)'. The 'UI Type' is 'All'. The 'Type' is 'onChange'. The 'Field name' is 'Social'. The 'Application' is 'Global'. The 'Active' checkbox is checked. The 'Inherited' checkbox is unchecked. The 'Global' checkbox is checked. The 'Description' and 'Messages' fields are empty. The 'Script' field contains the following code:

```

1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5
6   //Type appropriate comment here, and begin script below
7   if (newValue) {
8     var a = parseInt(g_form.getValue('u_telugu'));
9     var b = parseInt(g_form.getValue('u_hindi'));
10    var c = parseInt(g_form.getValue('u_english'));
11    var d = parseInt(g_form.getValue('u_maths'));
12    var e = parseInt(g_form.getValue('u_science'));
13    var f = parseInt(g_form.getValue('u_social'));
14    var Total = parseInt(a+b+c+d+e+f);
15    g_form.setValue('u_total', Total);
16  }
17 }

```

The 'Isolate script' checkbox is checked.

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

```

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);
}
}

```

Activity:5 Creating “Result” Client Scripts for Student progress Table

- 1. Fill the Details as given.

The screenshot shows the Salesforce Client Script configuration page for the 'Result' field. The configuration is as follows:

- Name:** Result
- Table:** Student Progress [u_student_progress]
- UI Type:** All
- Type:** onChange
- Field name:** Percentage
- Application:** Global
- Active:** ☒
- Inherited:** ☐
- Global:** ☒

The Script editor contains the following code:

```

1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5   //Type appropriate comment here, and begin script below
6   if(newValue) {
7     var a = parseInt(g_form.getValue('u_percentage')); // Convert the value to an integer for comparison
8     if(a >= 0 && a <= 50){
9       g_form.setValue('u_result','Fail');
10    } else if(a >= 60 && a <= 100){
11      g_form.setValue('u_result','Pass');
12    } else {
13

```

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

```

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_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');
}
}
}
}
}

```

Activity:6 Creating “Percentage” Client Scripts for Student progress Table

- 1. Fill the Details as given

The screenshot shows the Salesforce Client Script configuration interface. The top bar indicates the script is for the 'Percentage' field in the 'Student Progress' table. The configuration details are as follows:

- Name:** Percentage
- Table:** Student Progress [u_student_progress]
- UI Type:** All
- Type:** onChange
- Field name:** Total
- Application:** Global
- Active:** ☒
- Inherited:** ☐
- Global:** ☒

The **Script** section contains the following code:

```

1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5   //Type appropriate comment here, and begin script below
6   var Total = g_form.getValue('u_total');
7   var Percentage = (Total/600)*100;
8   g_form.setValue('u_percentage',Percentage+'%');
9 }
10

```

At the bottom, there is an 'Isolate script' checkbox which is currently checked.

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

```
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+'%');
}
```