

Education Organization Using ServiceNow

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Team Members: 4

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Problem Statement:

An educational organization's problem statement using ServiceNow would center on fragmented, reactive support systems leading to poor student and faculty experiences and inefficient campus operations that hinder real-time insights and proactive decision-making. They would aim to transform these issues into a solution that provides a unified digital platform for streamlined requests, better communication, and data-driven improvements across admissions, academics, IT, and facilities management.

Objective:

Enhance User Experience:

Provide personalized and intuitive experiences for students, faculty, and staff, ensuring they have the tools and support needed to excel.

Improve Operational Efficiency:

Streamline core institutional processes by automating administrative tasks, which improves productivity across departments.

Foster Digital Transformation:

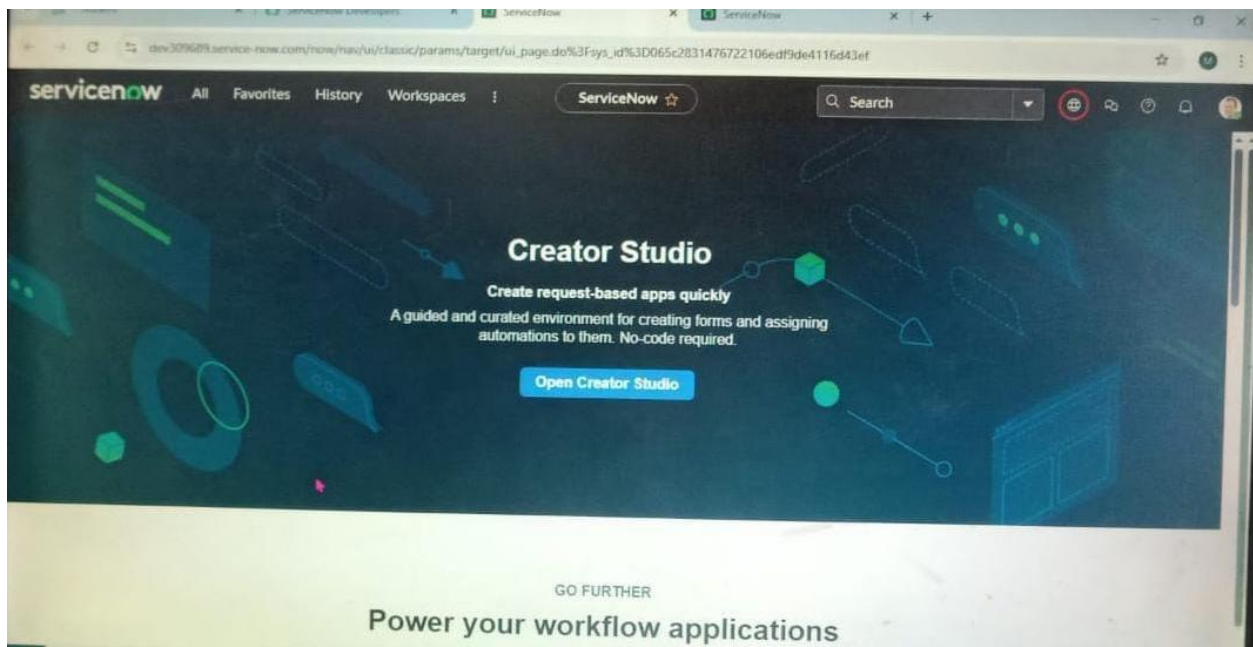
Modernize the institution by adopting digital tools and processes to adapt to the evolving demands of the digital economy and prepare students for the future.

TASK INITIATION

Milestone 1 : ServiceNow Instance

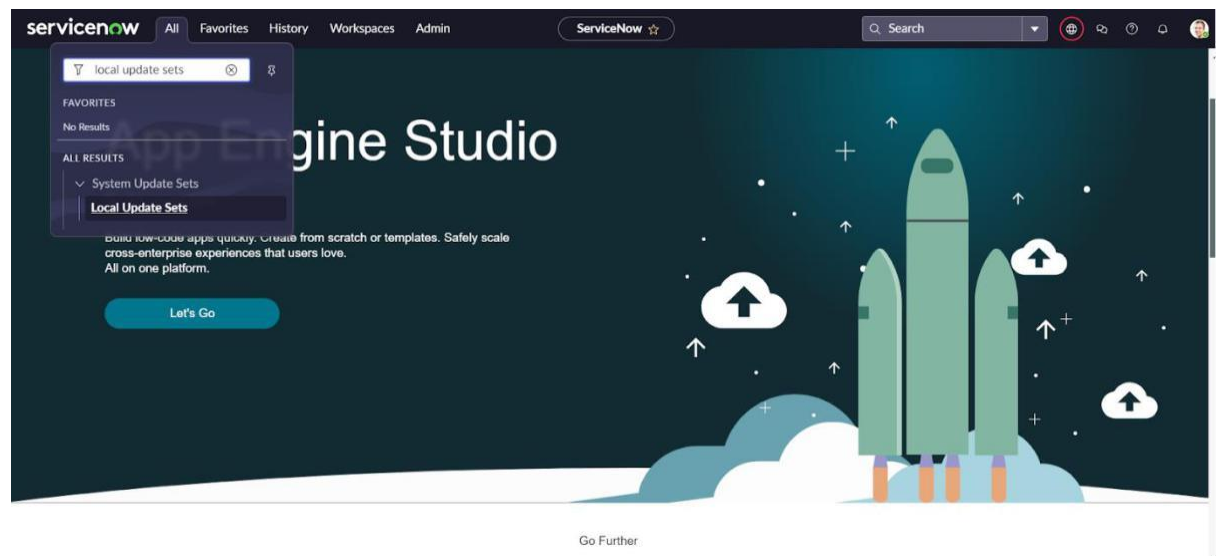
Activity 1: Setting up ServiceNow Instance

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 credential
 7. Now you will navigate to the ServiceNow.

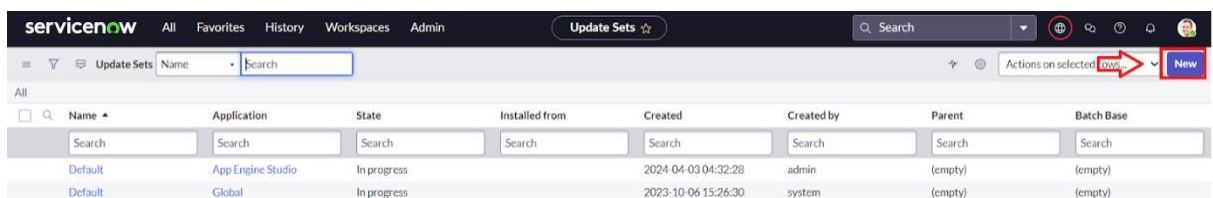


Milestone 2 : Creating a Update Set

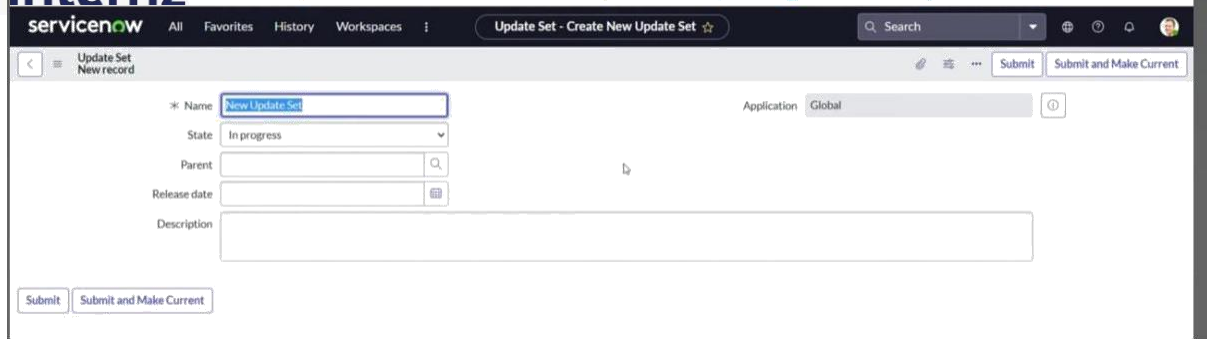
1. Click on All >> Local update sets .



2. Click on new



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



servicenow

All Favorites History Workspaces

Update Set - Create New Update Set

Search

Submit Submit and Make Current

Update Set
New record

* Name

State

Parent

Release date

Description

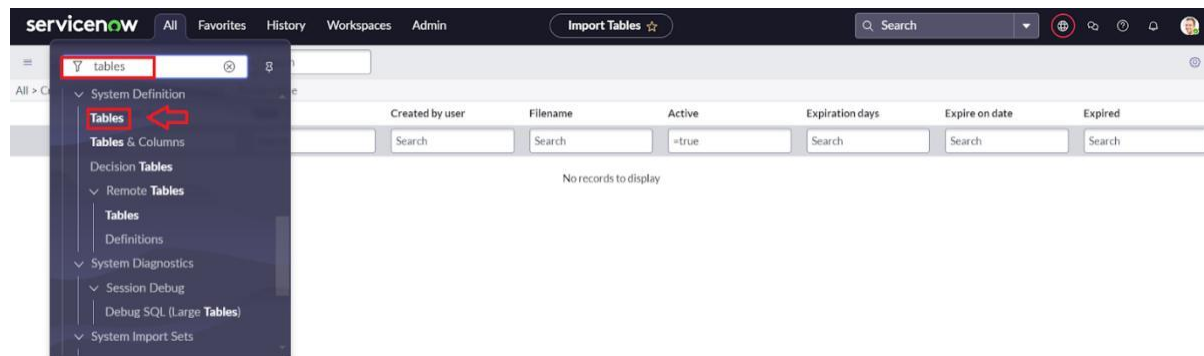
Application

Submit Submit and Make Current

Milestone 3 : Create a table

Activity 1: Creating Sales force Table.

- All >> Tables.



servicenow

All Favorites History Workspaces Admin

Import Tables

Search

tables

System Definition

Tables

Tables & Columns

Decision Tables

Remote Tables

Tables

Definitions

System Diagnostics

Session Debug

Debug SQL (Large Tables)

System Import Sets

Created by user

Filename

Active

Expiration days

Expire on date

Expired

No records to display

- Click on new

servicenow All Favorites History Workspaces Admin Tables ☆ Search

Actions on selected rows... New

All > Update name is not empty

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

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

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

Table New record

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

A table is a collection of records in the database. Each record corresponds to a row in a table, and each field on a record corresponds to a column on that table. Applications use tables and records to manage data and processes. [More info](#)

Label

Name

Extends table

Application Global

Create module ☒

Create mobile module ☒

Add module to menu -- Create new --

New menu 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 .

① 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"/>	<input type="text"/>	<input type="text"/>	<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	true
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

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

Table Salesforce

Save

Update Delete Delete All Records

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

- Click on controls >> Enable Extensible.

Columns Controls Application Access

Extensible ☒ 

Live feed ☐

Prefix

Number

Number of digits

Create access controls ☒

* User role  

- 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  

- 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

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

Label Search

Actions on selected rows... New

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

Insert a new row...

Activity 2: 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.

servicenow All Favorites History Workspaces Admin Table - New Record

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
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.getTable();	false

- 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...

- 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...

- 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...

- Create choice for School as:

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

Label Search

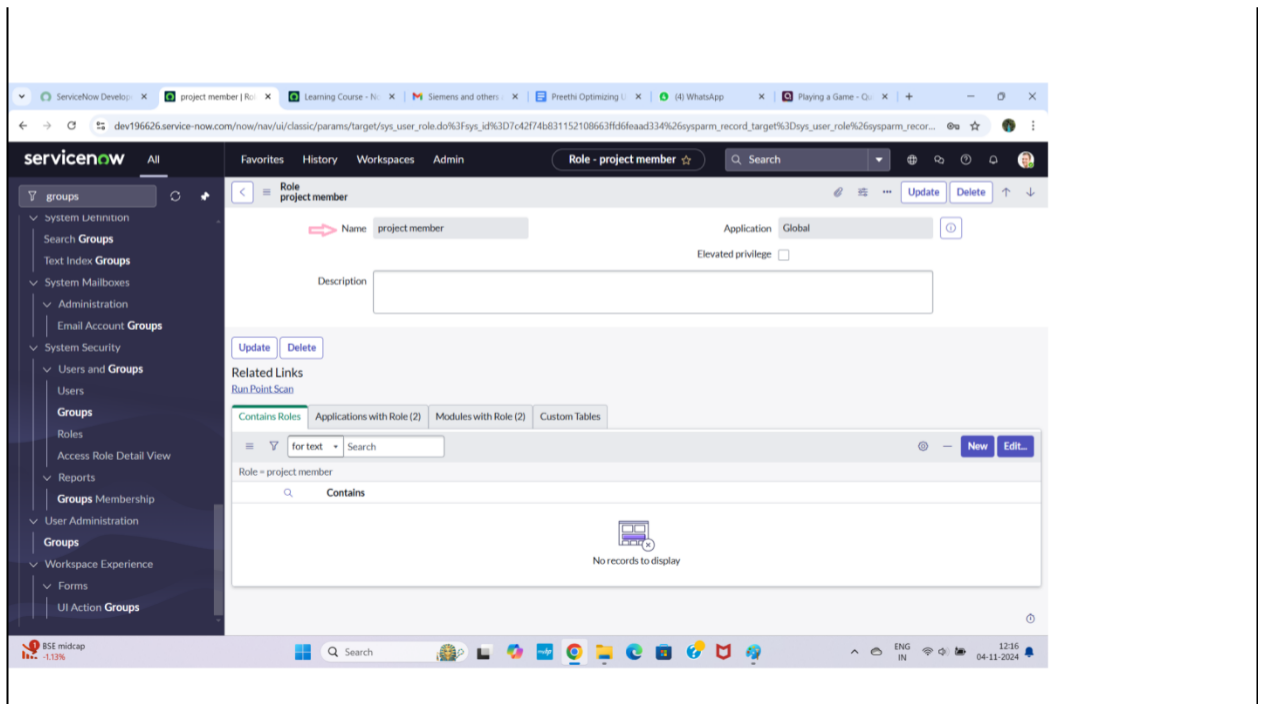
Actions on selected rows... New

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...

- 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...					



The screenshot shows the ServiceNow interface for configuring a role named 'project member'. The left sidebar contains a navigation menu with categories like 'groups', 'system', 'users and groups', 'reports', 'user administration', 'workspace experience', and 'forms'. The main content area shows the role configuration details, including the role name, application (Global), and a description field. Below the description, there are tabs for 'Contains Roles', 'Applications with Role (2)', 'Modules with Role (2)', and 'Custom Tables'. The 'Contains Roles' tab is currently selected, showing a search bar and a table with no records displayed.

Activity 3: Creating Student Progress Table

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

Milestone 4 : Form Layout

Configuring Table form for Student Progress Table

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

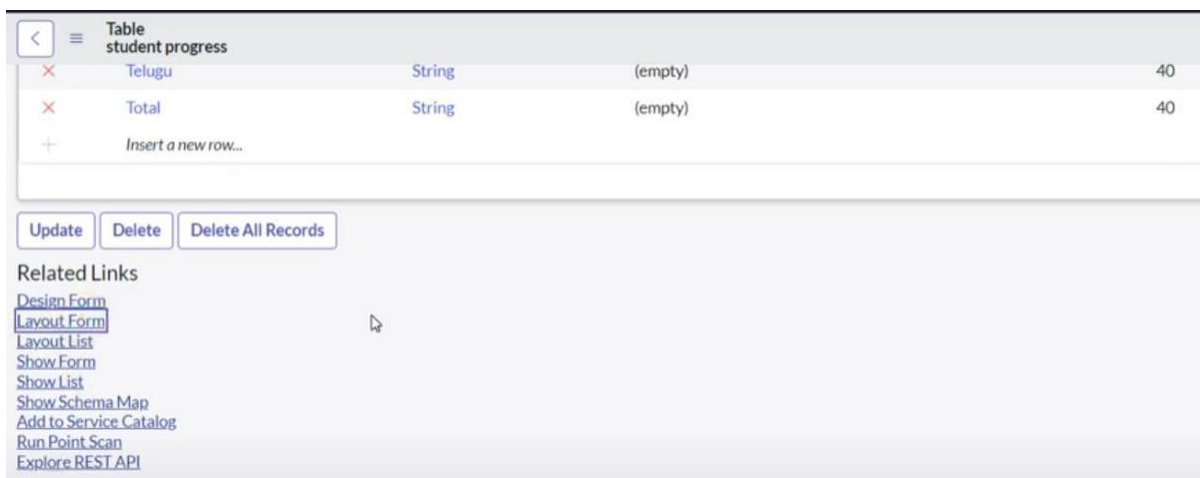


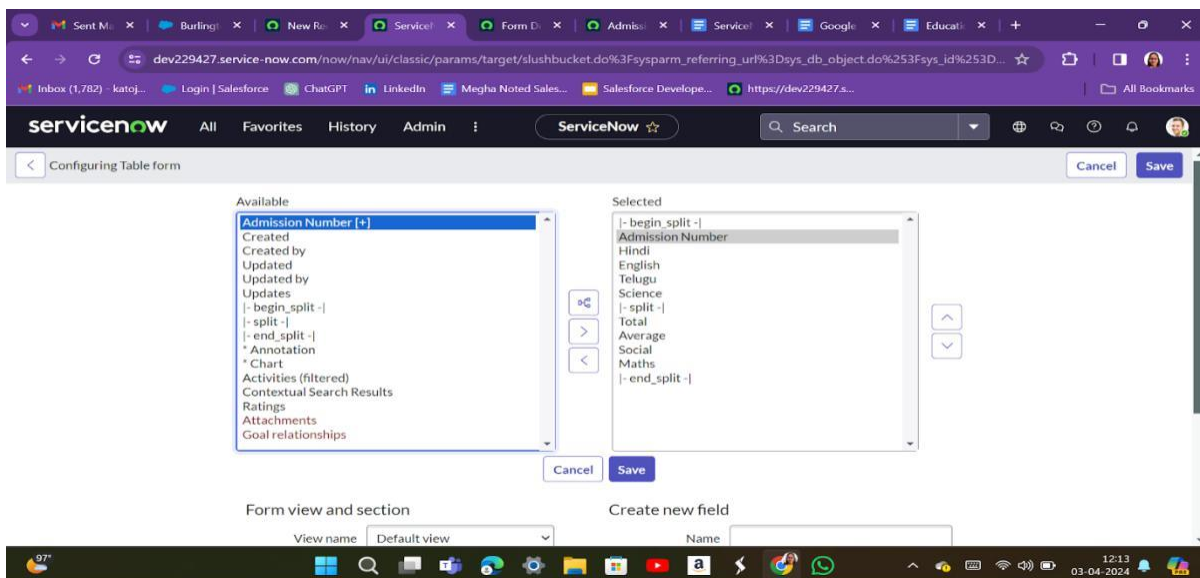
Table student progress			
X	Telugu	String	(empty) 40
X	Total	String	(empty) 40
+	Insert a new row...		

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](#)

- Click on Admission Number [+]



Configuring Table form

Available

- Admission Number [+]
- Created
- Created by
- Updated
- Updated by
- Updates
- [- begin_split -]
- [- split -]
- [- end_split -]
- * Annotation
- * Chart
- Activities (filtered)
- Contextual Search Results
- Ratings
- Attachments
- Goal relationships

Selected

- [- begin_split -]
- Admission Number
- Hindi
- English
- Telugu
- Science
- [- split -]
- Total
- Average
- Social
- Maths
- [- end_split -]

Cancel Save

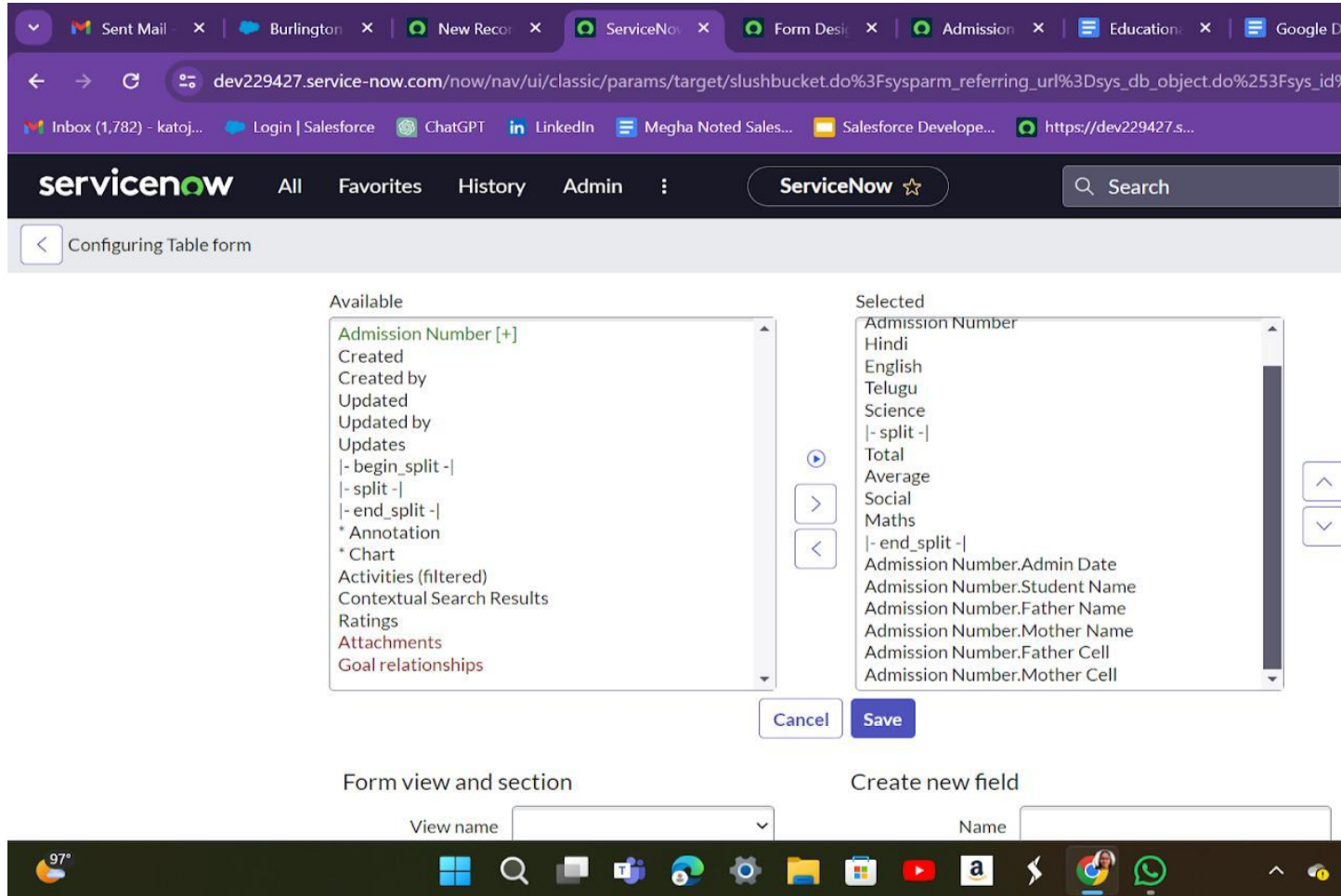
Form view and section

View name Default view

Create new field

Name

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



The screenshot shows the ServiceNow configuration interface for a table form. The browser tabs include Sent Mail, Burlington, New Record, ServiceNow, Form Designer, Admission, Education, and Google Drive. The URL is dev229427.service-now.com/now/nav/ui/classic/params/target/slushbucket.do%3Fsysparm_referring_url%3Dsys_db_object.do%253Fsys_id%3D. The interface has a dark header with the ServiceNow logo and navigation links: All, Favorites, History, Admin, and a search bar.

The main content area is titled "Configuring Table form". It features two columns: "Available" and "Selected".

Available fields:

- Admission Number [+]
- Created
- Created by
- Updated
- Updated by
- Updates
- |- begin_split -|
- |- split -|
- |- end_split -|
- * Annotation
- * Chart
- Activities (filtered)
- Contextual Search Results
- Ratings
- Attachments
- Goal relationships

Selected fields:

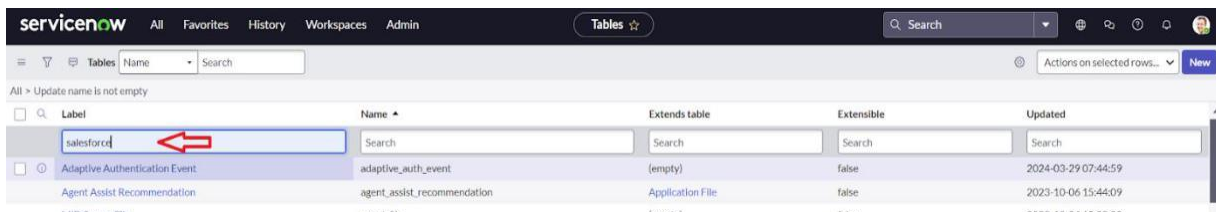
- Admission Number
- Hindi
- English
- Telugu
- Science
- |- split -|
- Total
- Average
- Social
- Maths
- |- end_split -|
- Admission Number.Admin Date
- Admission Number.Student Name
- Admission Number.Father Name
- Admission Number.Mother Name
- Admission Number.Father Cell
- Admission Number.Mother Cell

Navigation buttons include "Cancel" and "Save". Below the columns, there are sections for "Form view and section" (with a "View name" dropdown) and "Create new field" (with a "Name" input field).

Milestone 5: Form Design

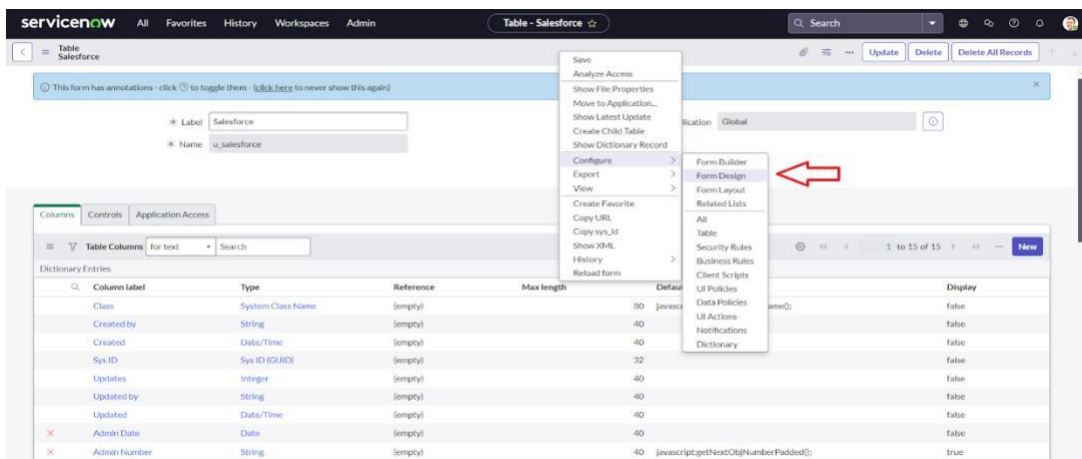
Activity 1: Creating Form Design for Salesforce Table

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



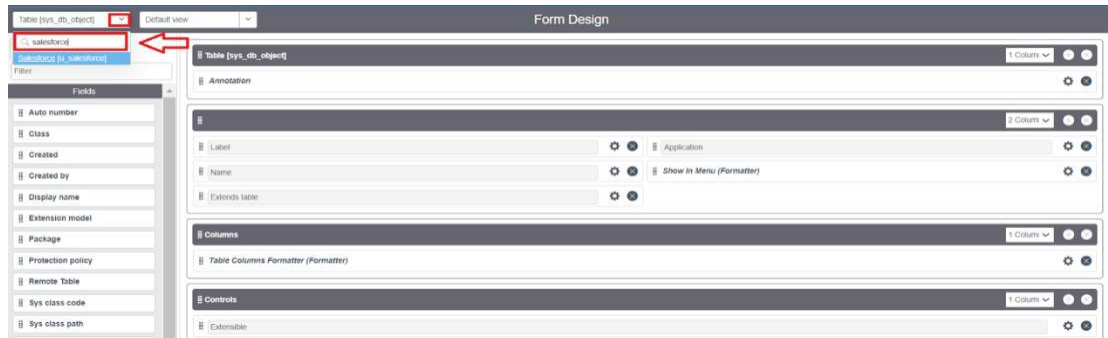
Label	Name	Extends table	Extensible	Updated
Search	Search	Search	Search	Search
Adaptive Authentication Event	adaptive_auth_event	(empty)	false	2024-03-29 07:44:59
Agent Assist Recommendation	agent_assist_recommendation	Application File	false	2023-10-06 15:44:09

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

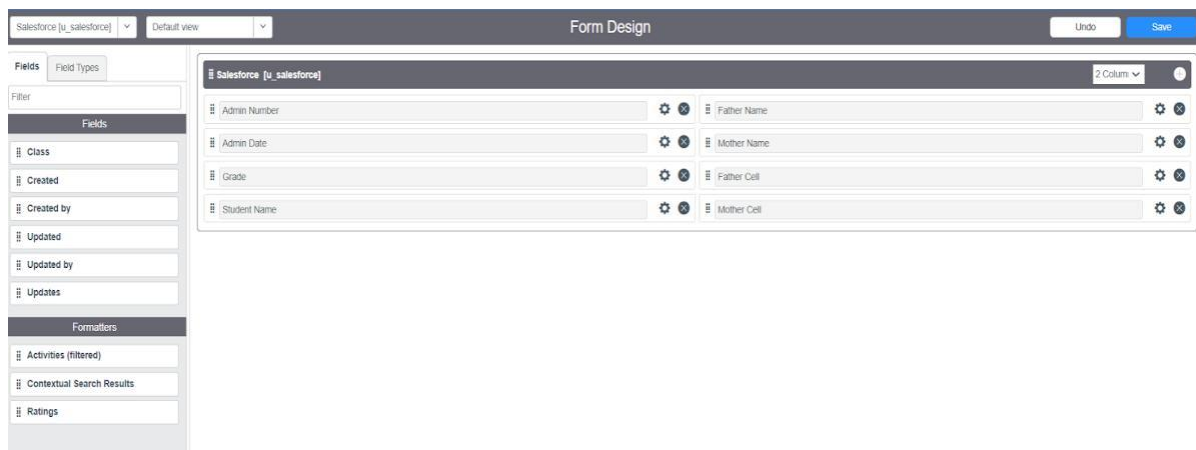


Column label	Type	Reference	Max length	Default	Display
Class	System Class Name	(empty)	80	JavaScript	false
Created by	String	(empty)	40		false
Created	Date/Time	(empty)	40		false
Sys ID	Sys ID (GUID)	(empty)	32		false
Updates	Integer	(empty)	40		false
Updated by	String	(empty)	40		false
Updated	Date/Time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

4. In drop down select Salesforce(u_salesforce).



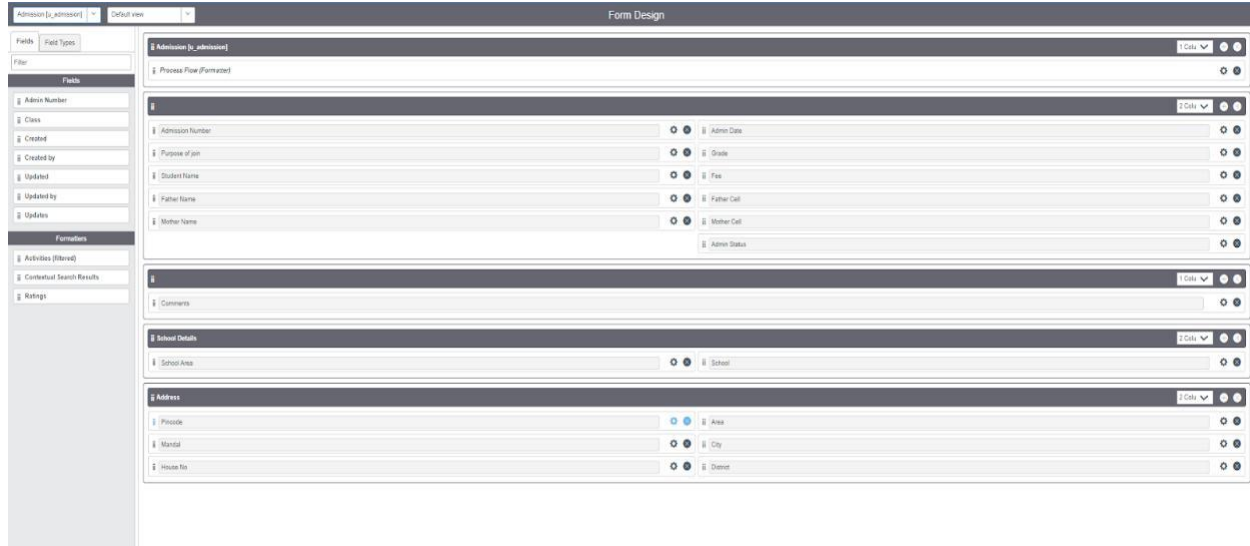
5. Drag and drop the fields to the left side as below.



6. Save.

Activity 2: Creating Form Design for Admission Table

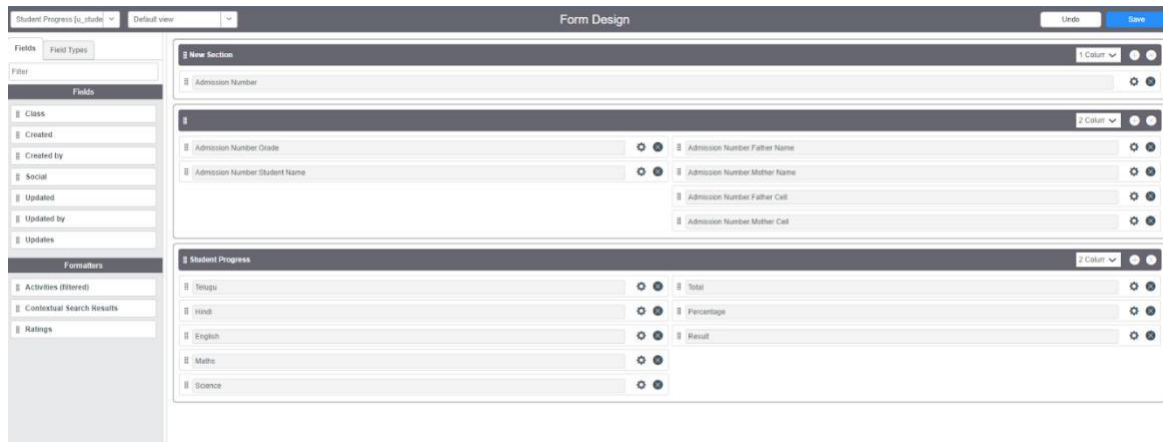
Follow the same steps as Activity1, Configure the fields as below and Save.



The screenshot shows the 'Form Design' interface for the 'Admission' table. The left sidebar contains a 'Fields' list with options like 'Admission Number', 'Class', 'Created', 'Created by', 'Updated', 'Updated by', and 'Updated'. Below this is a 'Formatters' section with 'Activities (filter)', 'Contextual Search Results', and 'Ratings'. The main area displays the form structure with sections: 'Process Flow (Formater)', 'School Details', and 'Address'. The 'Process Flow (Formater)' section includes fields for 'Admission Number', 'Admission Date', 'Grade', 'Fee', 'Father Cell', 'Mother Cell', and 'Admission Status'. The 'School Details' section includes 'School Area' and 'School'. The 'Address' section includes 'Pincode', 'Area', 'City', and 'District'.

Activity 3: Creating Form Design for Student progress Table

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

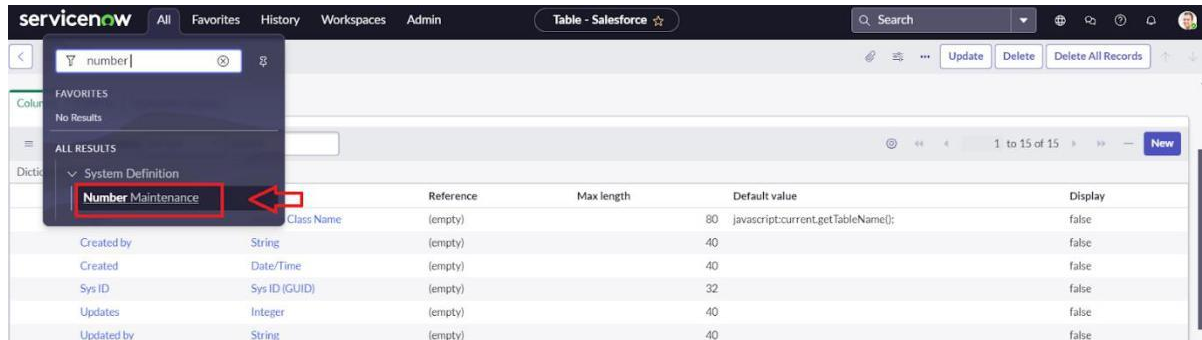


The screenshot shows the 'Form Design' interface for the 'Student Progress' table. The left sidebar contains a 'Fields' list with options like 'Class', 'Created', 'Created by', 'Social', 'Updated', 'Updated by', and 'Updated'. Below this is a 'Formatters' section with 'Activities (filter)', 'Contextual Search Results', and 'Ratings'. The main area displays the form structure with sections: 'New Section', 'Student Progress', and 'Student Progress'. The 'New Section' section includes 'Admission Number'. The 'Student Progress' section includes 'Admission Number Grade', 'Admission Number Student Name', 'Admission Number Father Name', 'Admission Number Mother Name', 'Admission Number Father Cell', 'Admission Number Mother Cell', 'Tengu', 'Total', 'Percentage', 'Result', 'English', 'Maths', and 'Science'.

Milestone 6: Number Maintenance

Creating Number Maintenance for Admin Number


- All >> Number Maintenance >> New



The screenshot shows the ServiceNow interface with the 'Number Maintenance' dropdown menu open. The menu is filtered by 'number' and shows 'Number Maintenance' under the 'System Definition' category. A red box highlights the 'Number Maintenance' option, and a red arrow points to it. The background table shows the 'Table - Salesforce' configuration.

Class Name	Reference	Max length	Default value	Display
Created by	String	(empty)	80	javascript:current.getTableName();
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

- Fill the details >> Submit



The screenshot shows the ServiceNow interface with the 'Number - SAL' form. The form fields are as follows:

- * Table: Salesforce
- Prefix: SAL
- * Number: 1,000
- Application: Global
- Number of digits: 7

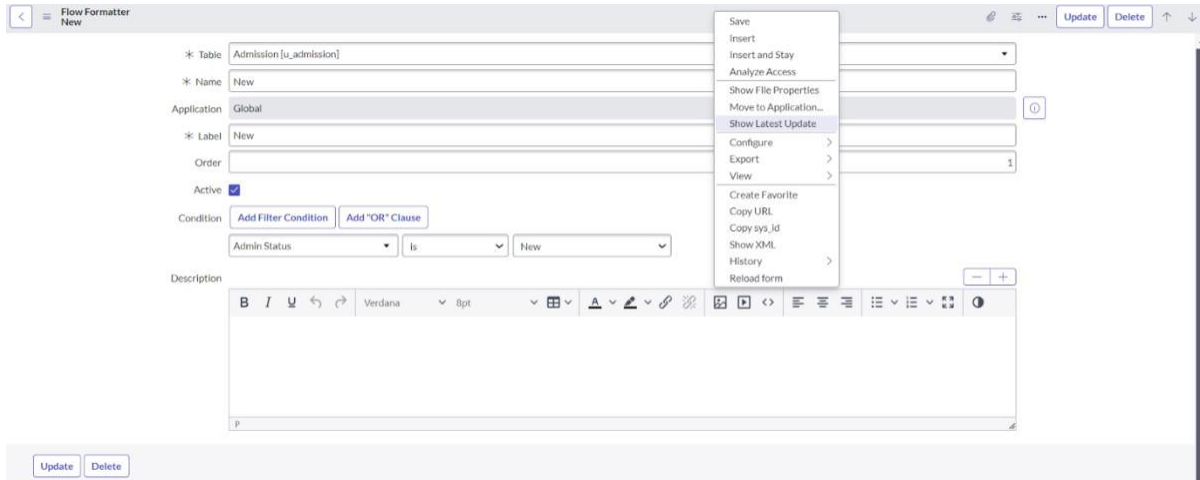
Buttons: Update, Delete

Related Links: [Show Counter](#)

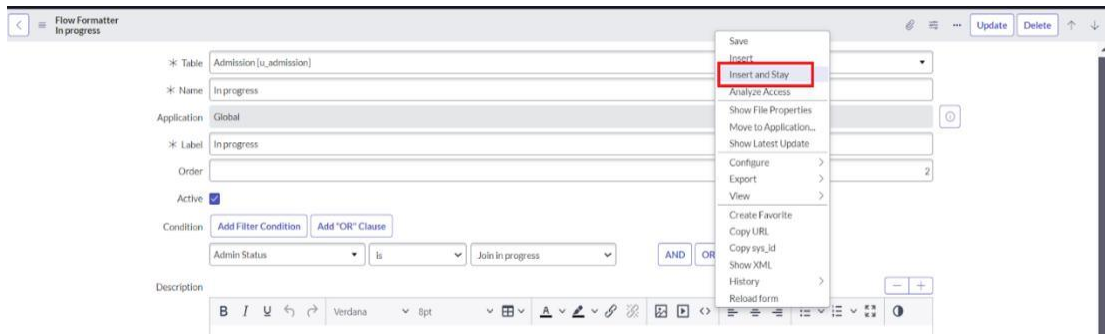
Milestone 7 : Process Flow

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.


Milestone 8: Client Scripts

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

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

Client Script

New record

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

Name

Auto populate

Table

Admission [u_admission]

UI Type

Mobile / Service Portal

Type


onChange

Field name

Admin Number

Application

Global



Active

☒

Inherited

☐


Global


☒


Description


Messages


Script





























```

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
8 }

```

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

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

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

- Fill the Details as given.

Client Script
Pincode Update

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

Name: Pincode Update
Table: Admission [u_admission]
UI Type: Desktop
Type: onChange
Field name: Pincode

Application: Global ⓘ
Active: ☒
Inherited: ☐
Global: ☒

Description:
Messages:
Script:

```
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 == '509358')  
7   {  
8     g_form.setValue('u_mandal', 'kadthal');  
9     g_form.setValue('u_city', 'kadthal');
```

- Write the Code as below, Enable Isolate script and Save.
function onChange(control, oldValue, newValue, isLoading, isTemplate)

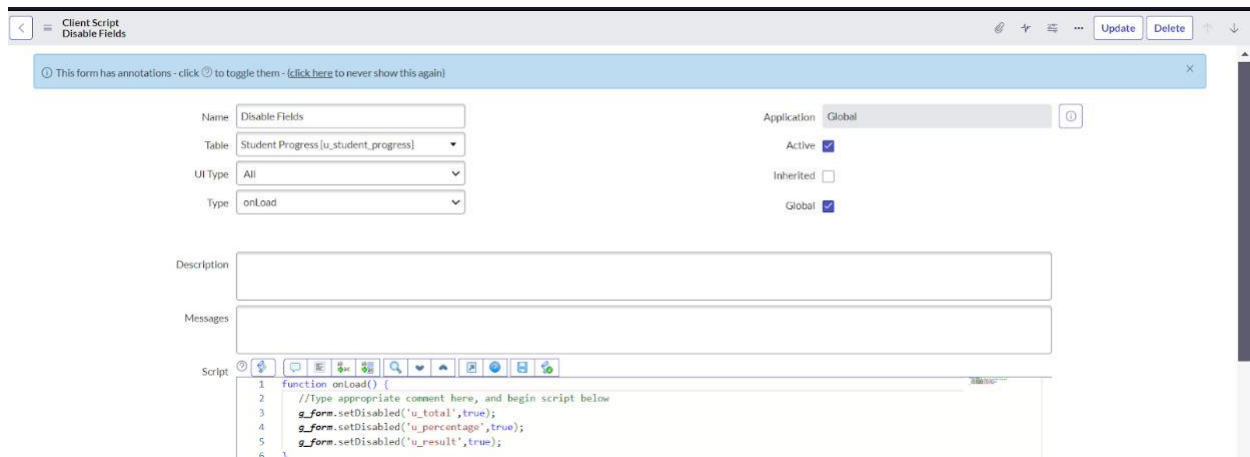
```
{ if (isLoading || newValue === "") {  
    return;  
}  
var a = g_form.getValue('u_pincode');  
if(a == '509358')  
{  
    g_form.setValue('u_mandal', 'kadthal');  
    g_form.setValue('u_city', 'kadthal');  
    g_form.setValue('u_district', 'RangaReddy');  
}  
else if(a == '500081')  
{  
    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

- 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. The application is set to 'Global'. The script is active and global. The description and messages fields are empty. The script code is as follows:

```

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

- Fill the Details as given.

servicenow All Favorites History Workspaces Admin Client Script - Total Up... ☆ Search Update Delete

Client Script
Total Update

⚠ You are editing a record in the Global application (cancel)

Name: Total Update

Table: Student Progress [u_student_progress]

UI Type: All

Type: onChange

Field name: Social

Application: Global

Active: ☒

Inherited: ☐

Global: ☒

Description:

Messages:

Script

```

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 }

```

Isolate script ☒

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

```

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

```

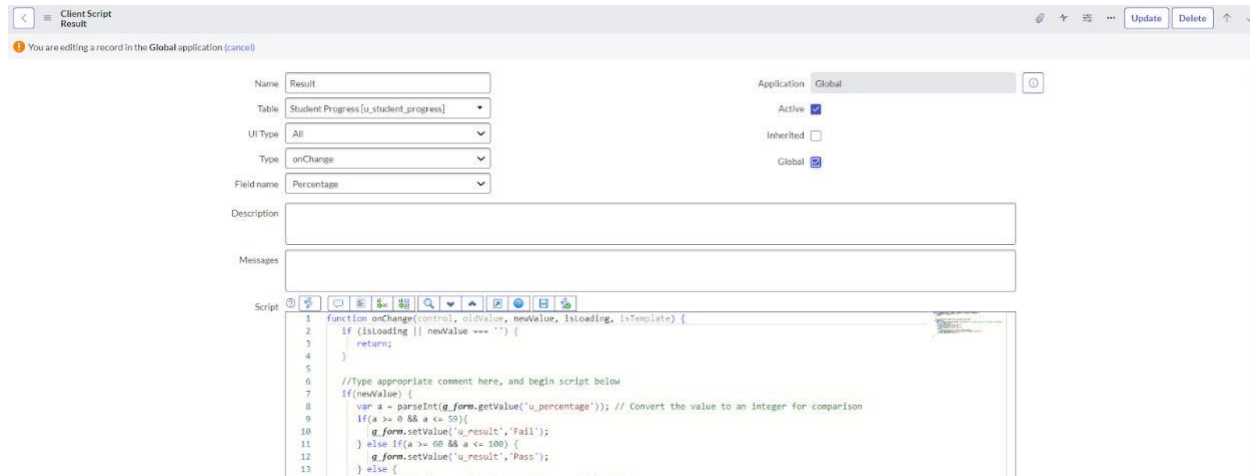
```

//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

- Fill the Details as given.



Client Script
Result

You are editing a record in the Global application (cancel)

Name: Result

Table: Student Progress[u_student_progress]

UI Type: All

Type: onChange

Field name: Percentage

Application: Global

Active: ☒

Inherited: ☐

Global: ☒

Description:

Messages:

Script:

```

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_percentage')); // Convert the value to an integer for comparison
9     if(a >= 0 && a <= 59){
10      g_form.setValue('u_result','Fail');
11    } else if(a >= 60 && a <= 100) {
12      g_form.setValue('u_result','Pass');
13    } else {
14      // Handle the case if a is out of range (optional)
15      g_form.addErrorMessage('Percentage should be between 0 and 100.');
```

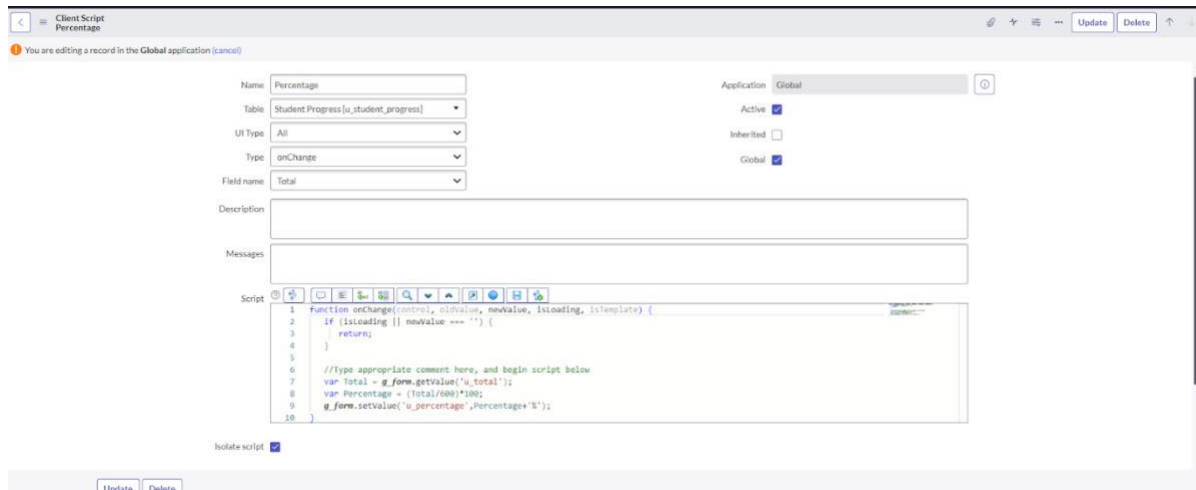
- Write the Code as below, Enable Isolate script and Save.

```

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.');
```

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

- Fill the Details as given.



The screenshot shows the 'Client Script' configuration window for a script named 'Percentage'. The script is associated with the 'Student Progress [u_student_progress]' table and is triggered on the 'Total' field. 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   //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

```

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

```

Result: Result

Salesforce
New record

Admin Number
SAL0001078

Admin Date

Grade
-- None --

Student Name

Father Name

Mother Name

Mother Cell

Father Cell

Submit

Admission
New record

New
In progress
Joined
Rejected
Rejoined
Closed
Cancelled

Admission Number

Purpose of Join
-- None --

Student Name

Father Name

Mother Name

Comments

Admin Date

Grade
-- None --

Fee
\$ 0.00

Father Cell

Mother Cell

Admin Status
-- None --

School Details
Address

School Area
-- None --

School
-- None --

Submit

New Section
New record

Admission Number

Grade
-- None --

Student Name

Father Name

Mother Name

Father Cell

Mother Cell

Student Progress

Telugu

Hindi

English

Maths

Science

Social

Total

Percentage

Result

Submit

Conclusion :

This scenario highlights a structured approach to project management, showcasing the roles of Alice and Bob within a defined workflow. With Alice's oversight and Bob's execution, the team effectively collaborates to ensure project success. The use of tables organizes key information, facilitating easy tracking of projects, tasks, and progress updates. Overall, this system promotes accountability, enhances communication, and leads to the successful completion of projects.