

# Education Organization Using ServiceNow

**Team Id:** NM2025TMID13169

**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:**

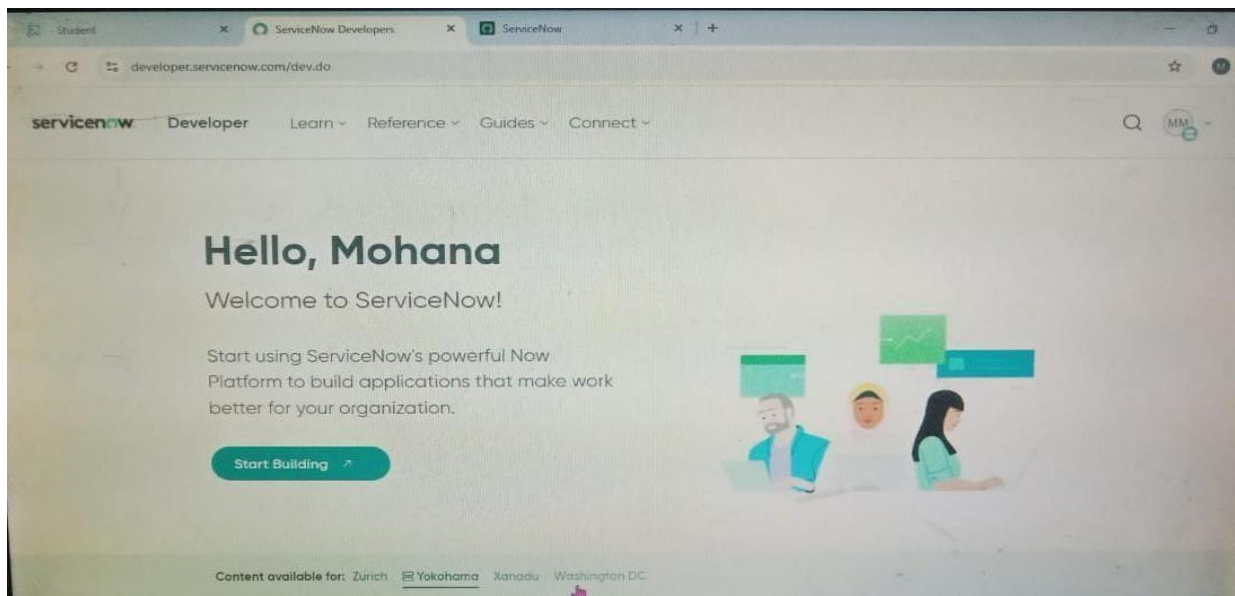
Modernize the institution by adopting digital tools and processes to adapt to the evolving demands of the digital economy and prepare students for the future.

# TASK INITIATION

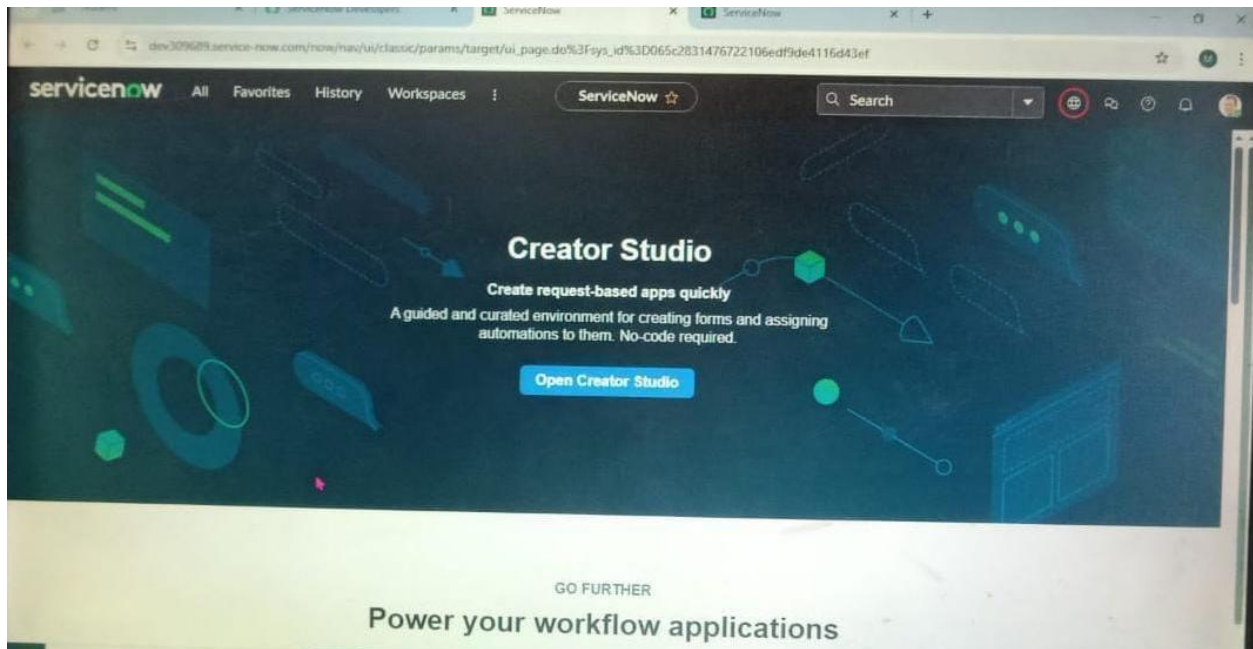
## Milestone 1 : ServiceNow Instance

### 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.

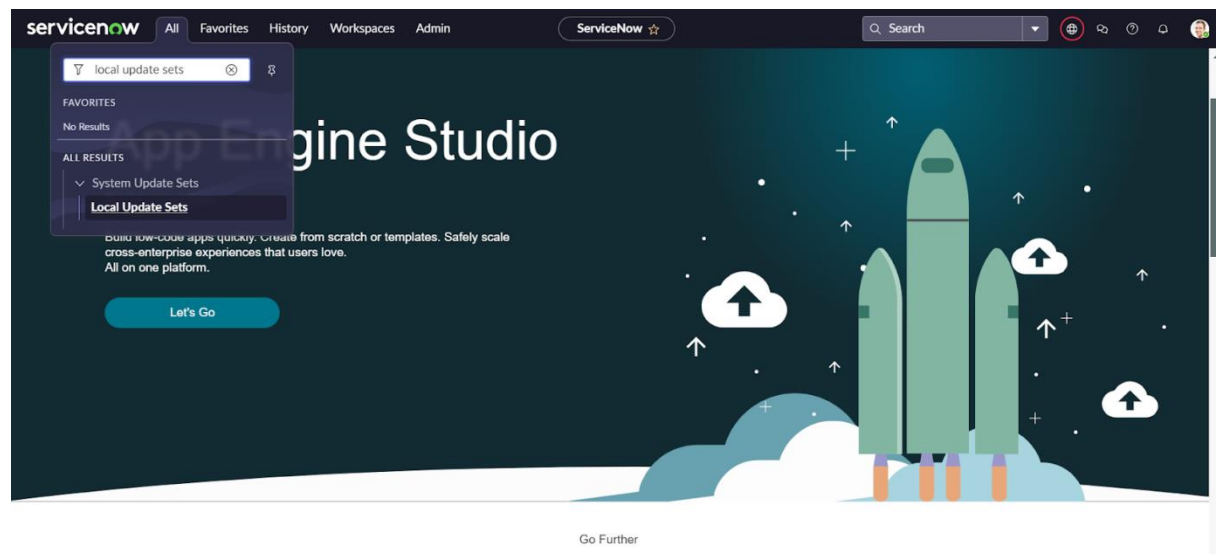


6. Log in to your ServiceNow instance using the provided credential
7. Now you will navigate to the ServiceNow.

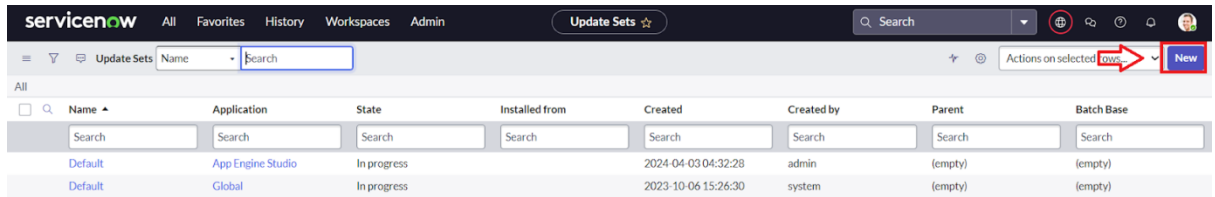


## Milestone 2 : Creating a Update Set

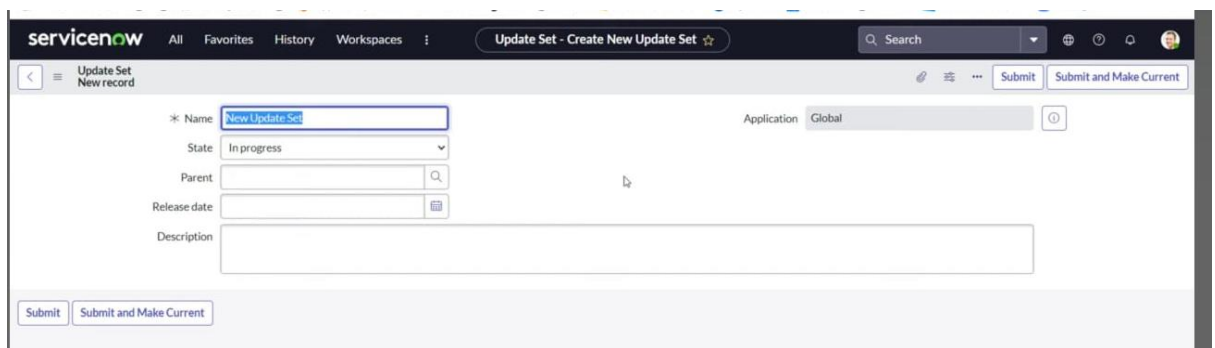
1. Click on All >> Local update sets .



2. Click on new



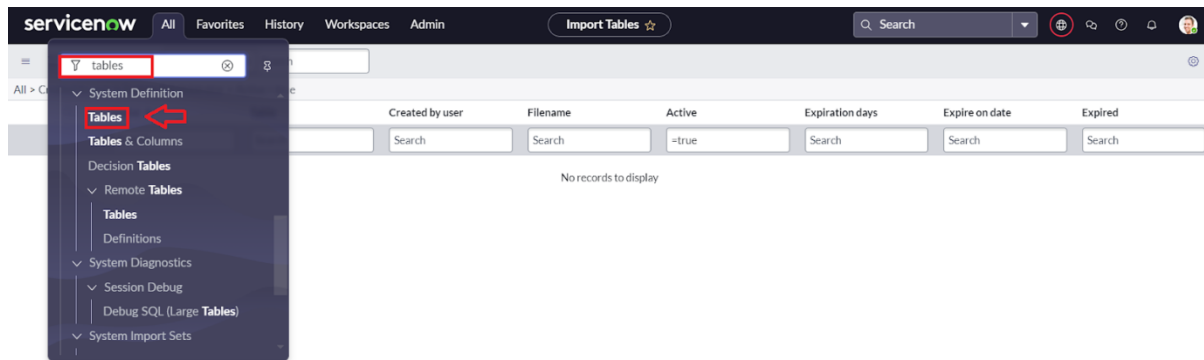
3. Enter the Details Name: Educational Organisation >> Click on Submit and make Current.



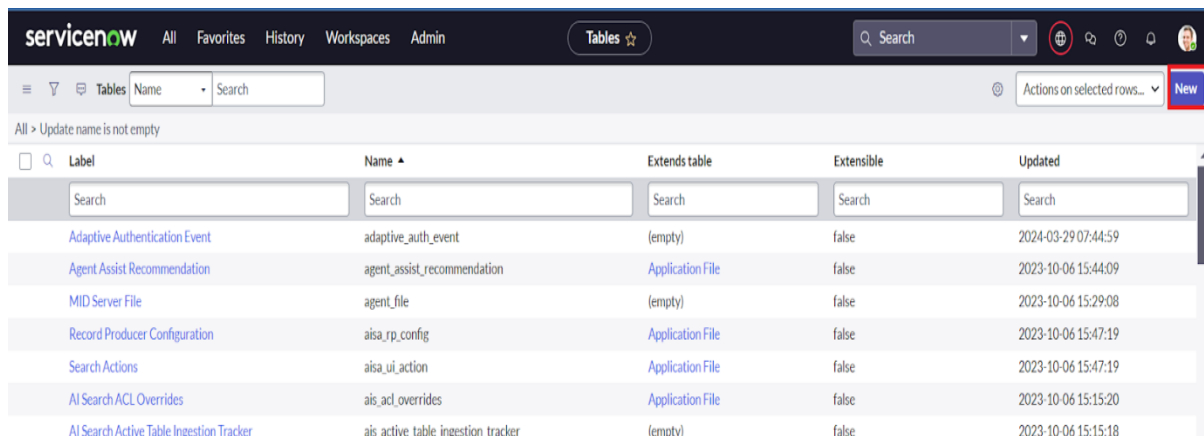
## Milestone 3 : Create a table

### Activity 1: Creating Sales force Table.

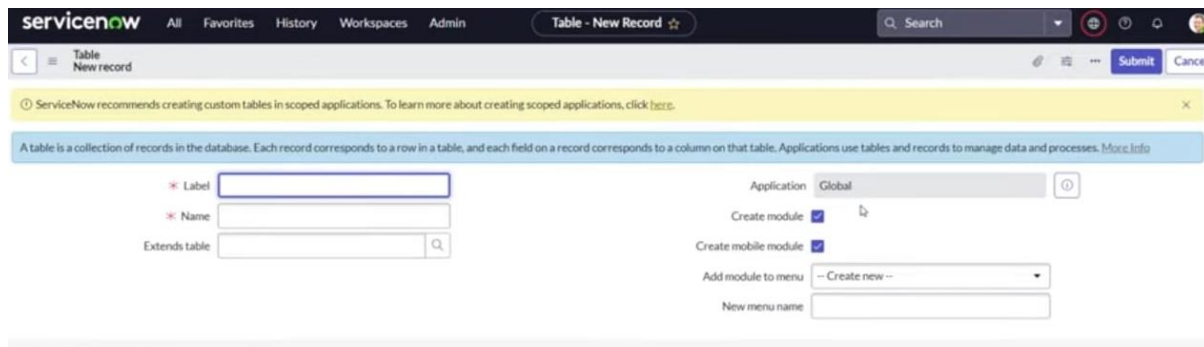
- All >> Tables.



- 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 .

① This form has annotations - click ⓘ to toggle them - ([click here](#) to never show this again)

\* Label

\* Name

Extends table  🔍

Create

Admin

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                                |

- 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

Show XML

History >

Reload form


Display

1 to 15 of 15

New

- 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  Search    Create Choice List Delete Column Update  

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

 Label   Actions on selected rows... 

| <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

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

**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

**Table Columns**

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.getTableName(); | 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

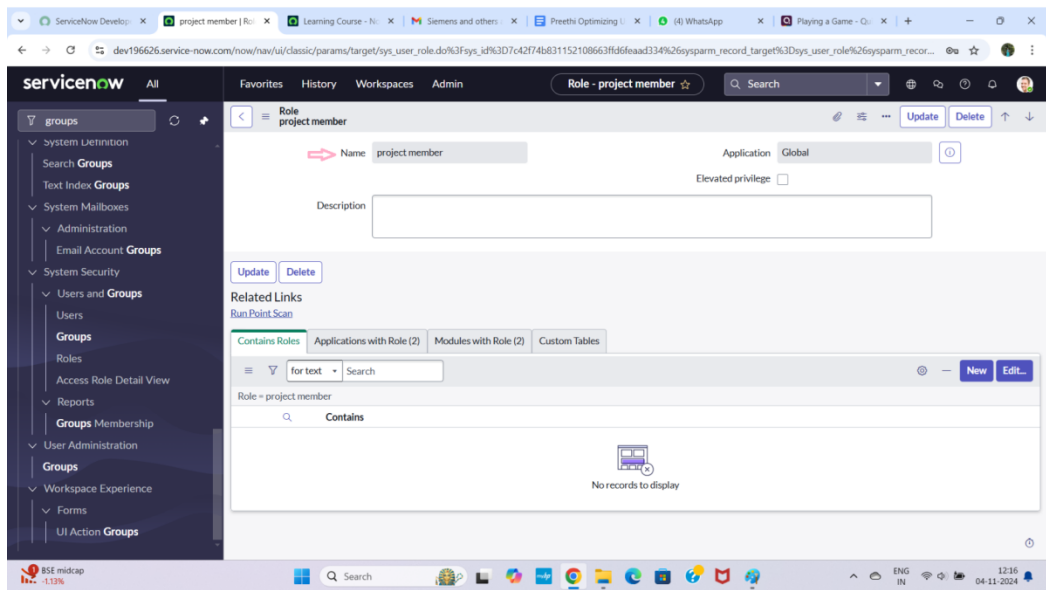
Label Search

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 |                |                |          |          |          |                     |
| Choices                         |                |                |          |          |          |                     |
| <input type="checkbox"/>        | Label          | Value          | Language | Sequence | Inactive | Updated             |
| <input type="checkbox"/>        | Near Market    | Near Market    | en       | 1        | false    | 2024-04-02 21:20:53 |
| <input type="checkbox"/>        | 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

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

|                     |                  |           |            |    |       |
|---------------------|------------------|-----------|------------|----|-------|
| X                   | Admission Number | Reference | Salesforce | 32 | false |
| X                   | English          | String    | (empty)    | 40 | false |
| X                   | Hindi            | String    | (empty)    | 40 | false |
| X                   | Maths            | String    | (empty)    | 40 | false |
| X                   | Percentage       | String    | (empty)    | 40 | false |
| X                   | Result           | String    | (empty)    | 40 | false |
| X                   | Science          | String    | (empty)    | 40 | false |
| X                   | Social           | String    | (empty)    | 40 | false |
| X                   | Telugu           | String    | (empty)    | 40 | false |
| X                   | 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 |                     |        |            |
|------------------------|---------------------|--------|------------|
| ✖                      | 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](#)

- 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.

dev229427.service-now.com/now/nav/ui/classic/params/target/slusbucket.do%3Fsysparm\_referring\_url%3Dsys\_db\_object.do%253Fsys\_id%3D...

Inbox (1,782) - katoj... Login | Salesforce ChatGPT LinkedIn Megha Noted Sales... Salesforce Develop... https://dev229427.s...

**servicenow** All Favorites History Admin ServiceNow Search

< 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

- 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

>

<

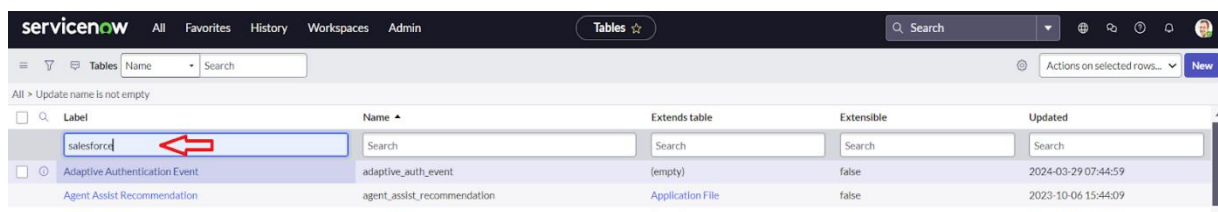
Cancel Save

Form view and section View name Create new field Name

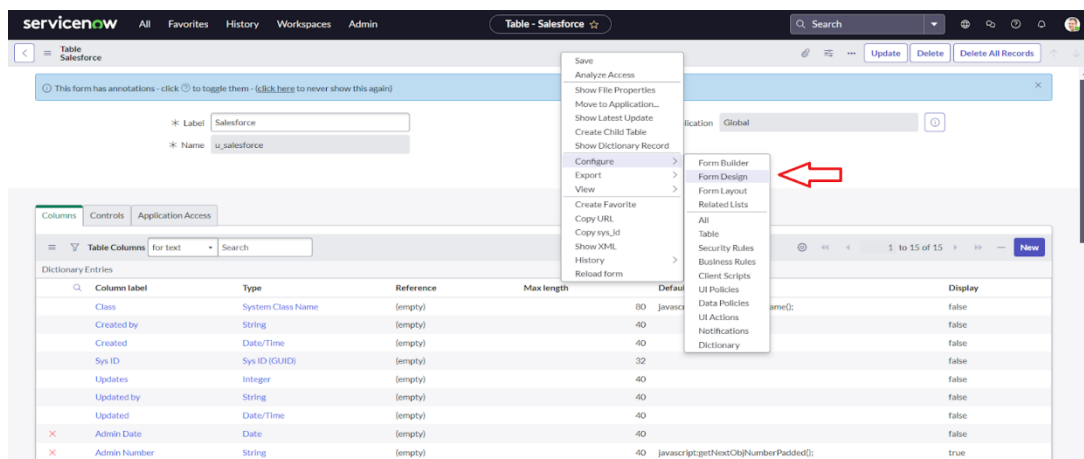
# Milestone 5: Form Design

## Activity 1: Creating Form Design for Salesforce Table

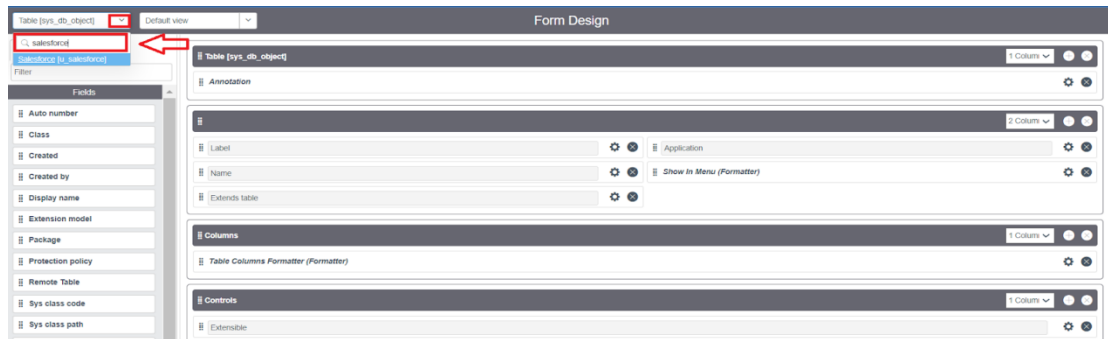
1. All >> System Definition >> Tables .
2. In Label Search for Salesforce and open .



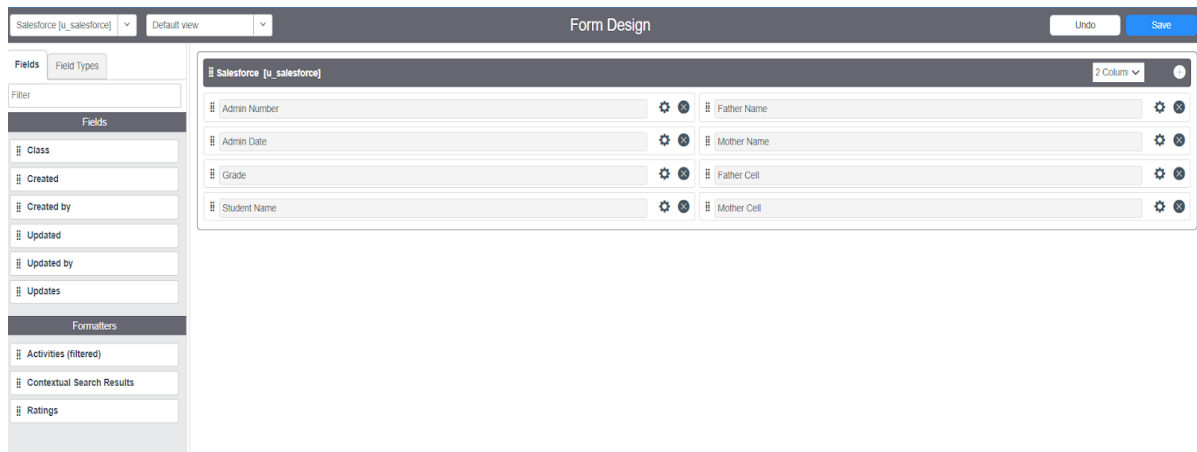
3. Right Click on top Toggle >> Configure >> Form Design.



4. In drop down select Salesforce(u\_salesforce).



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



6. Save.

## 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 'Admin Number', 'Class', 'Created', 'Created by', 'Updated', 'Updated by', and 'Updates'. Below this is a 'Formatters' section with 'Activities (Filtered)', 'Contextual Search Results', and 'Ratings'. The main area displays the form structure with sections: 'Admission [u\_admission]', 'Process Flow (Formatter)', 'Admission Number' (with fields for Admin Number, Purpose of pin, Student Name, Father Name, Mother Name, Admin Date, Grade, Fee, Father Cell, Mother Cell, and Admin Status), 'Comments', 'School Details' (with School Area and School), and 'Address' (with Pincode, Area, Mandal, City, House No, and District). Each field has a dropdown menu for format selection.

## Activity 3: Creating Form Design for Student progress Table

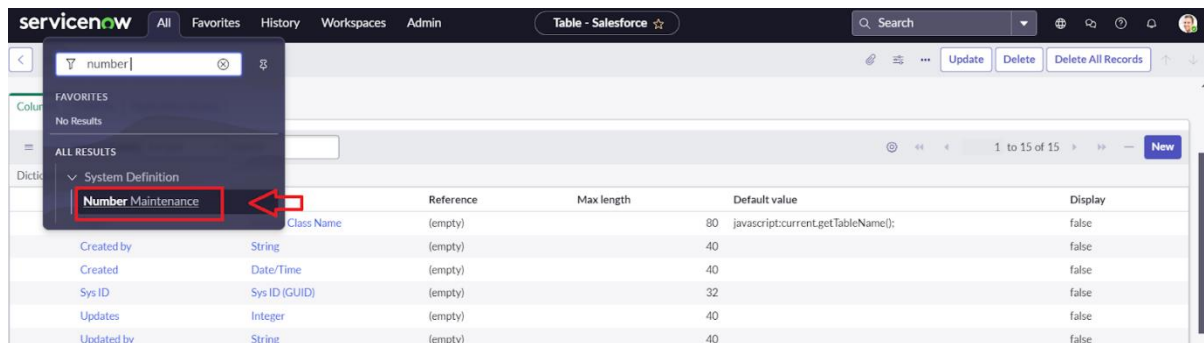
Follow the same steps as Activity1, Configure the fields as below and Save.

The screenshot shows the 'Form Design' interface for the 'Student Progress' table. The left sidebar contains a 'Fields' list with 'Class', 'Created', 'Created by', 'Social', 'Updated', 'Updated by', and 'Updates'. Below this is a 'Formatters' section with 'Activities (Filtered)', 'Contextual Search Results', and 'Ratings'. The main area displays the form structure with sections: 'New Section' (with Admission Number), 'Student Progress' (with fields for Admission Number Grade, Admission Number Student Name, Admission Number Father Name, Admission Number Mother Name, Admission Number Father Cell, Admission Number Mother Cell, Total, Percentage, Result, Maths, and Science). Each field has a dropdown menu for format selection.

# Milestone 6: Number Maintenance

## Creating Number Maintenance for Admin Number

- All >> Number Maintenance >> New



- Fill the details >> Submit

Number - SAL

\* Table: Salesforce

Prefix: SAL

\* Number: 1,000

Application: Global

Number of digits: 7

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

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

- Right Click on toggle and click on the save .
- 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

- 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.

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   //Type appropriate comment here, and begin script below  
6  
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 interface for a script named 'Disable Fields'. The script is associated with the 'Student Progress [u\_student\_progress]' table and is set to run on the 'onLoad' event. The application is 'Global', and 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

< Client Script Total Update Update Delete

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

|             |                                       |             |                                     |
|-------------|---------------------------------------|-------------|-------------------------------------|
| Name        | Total Update                          | Application | Global                              |
| Table       | Student Progress [u_student_progress] | Active      | <input checked="" type="checkbox"/> |
| UI Type     | All                                   | Inherited   | <input type="checkbox"/>            |
| Type        | onChange                              | Global      | <input checked="" type="checkbox"/> |
| Field name  | Social                                |             |                                     |
| 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.

The screenshot shows the 'Client Script' configuration window for a field named 'Result'. The 'Table' is 'Student Progress[u\_student\_progress]', 'UI Type' is 'All', and 'Type' is 'onChange'. The 'Field name' is 'Percentage'. The 'Application' is 'Global', and it is marked as 'Active' and 'Global'. The 'Script' section 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_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 NetSuite Client Script editor interface. The script is named 'Percentage' and is associated with the 'Student Progress [u\_student\_progress]' table. The UI Type is set to 'All' and the Type is 'onChange'. The Field name is 'Total'. The Application is set to 'Global'. The script is active and global. The script code is as follows:

```
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   var Total = g_form.getValue('u_total');  
8   var Percentage = (Total/600)*100;  
9   g_form.setValue('u_percentage',Percentage+'%');  
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 | <input type="text" value="SAL0001078"/> | Father Name | <input type="text"/> |
| Admn Date    | <input type="text"/>                    | Mother Name | <input type="text"/> |
| Grade        | -- None --                              | Mother Cell | <input type="text"/> |
| Student Name | <input type="text"/>                    | Father Cell | <input type="text"/> |

---

**Admission New record**

New In progress Joined Rejected Rejoined Closed Cancelled

|                  |                      |              |                                      |
|------------------|----------------------|--------------|--------------------------------------|
| Admission Number | <input type="text"/> | Admin Date   | <input type="text"/>                 |
| Purpose of join  | -- None --           | Grade        | -- None --                           |
| Student Name     | <input type="text"/> | Fee          | \$ <input type="text" value="0.00"/> |
| Father Name      | <input type="text"/> | Father Cell  | <input type="text"/>                 |
| Mother Name      | <input type="text"/> | Mother Cell  | <input type="text"/>                 |
| Comments         | <input type="text"/> |              |                                      |
|                  |                      | Admin Status | -- None --                           |

---

**School Details Address**

|             |            |        |            |
|-------------|------------|--------|------------|
| School Area | -- None -- | School | -- None -- |
|-------------|------------|--------|------------|

---

**New Section New record**

|                  |                      |             |                      |
|------------------|----------------------|-------------|----------------------|
| Admission Number | <input type="text"/> | Father Name | <input type="text"/> |
| Grade            | -- None --           | Mother Name | <input type="text"/> |
| Student Name     | <input type="text"/> | Father Cell | <input type="text"/> |
|                  |                      | Mother Cell | <input type="text"/> |

### Student Progress

|         |                      |            |                      |
|---------|----------------------|------------|----------------------|
| Telugu  | <input type="text"/> | Total      | <input type="text"/> |
| Hindi   | <input type="text"/> | Percentage | <input type="text"/> |
| English | <input type="text"/> | Result     | <input type="text"/> |
| Maths   | <input type="text"/> |            |                      |
| Science | <input type="text"/> |            |                      |
| Social  | <input type="text"/> |            |                      |



## **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.