

Educational Organisation Using Service Now

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Team Members: 4

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Problem Statement : Educational institutions face challenges with manual data management ,leading to inefficiencies and lack of transparency .A unified digital platform like Service Now can automate workflows ,centralize information, and provide real-time insights for effective management.

Objective : Develop a centralized educational management system Service Now to:

1. Simplify admission processes.
2. Automate students & teacher data management.
3. Provide real-time progress tracking
4. Reduce manual errors & delay.

This system aims to enhance transparency, efficiency ,and productivity in academic and administrative operations.

Skills:

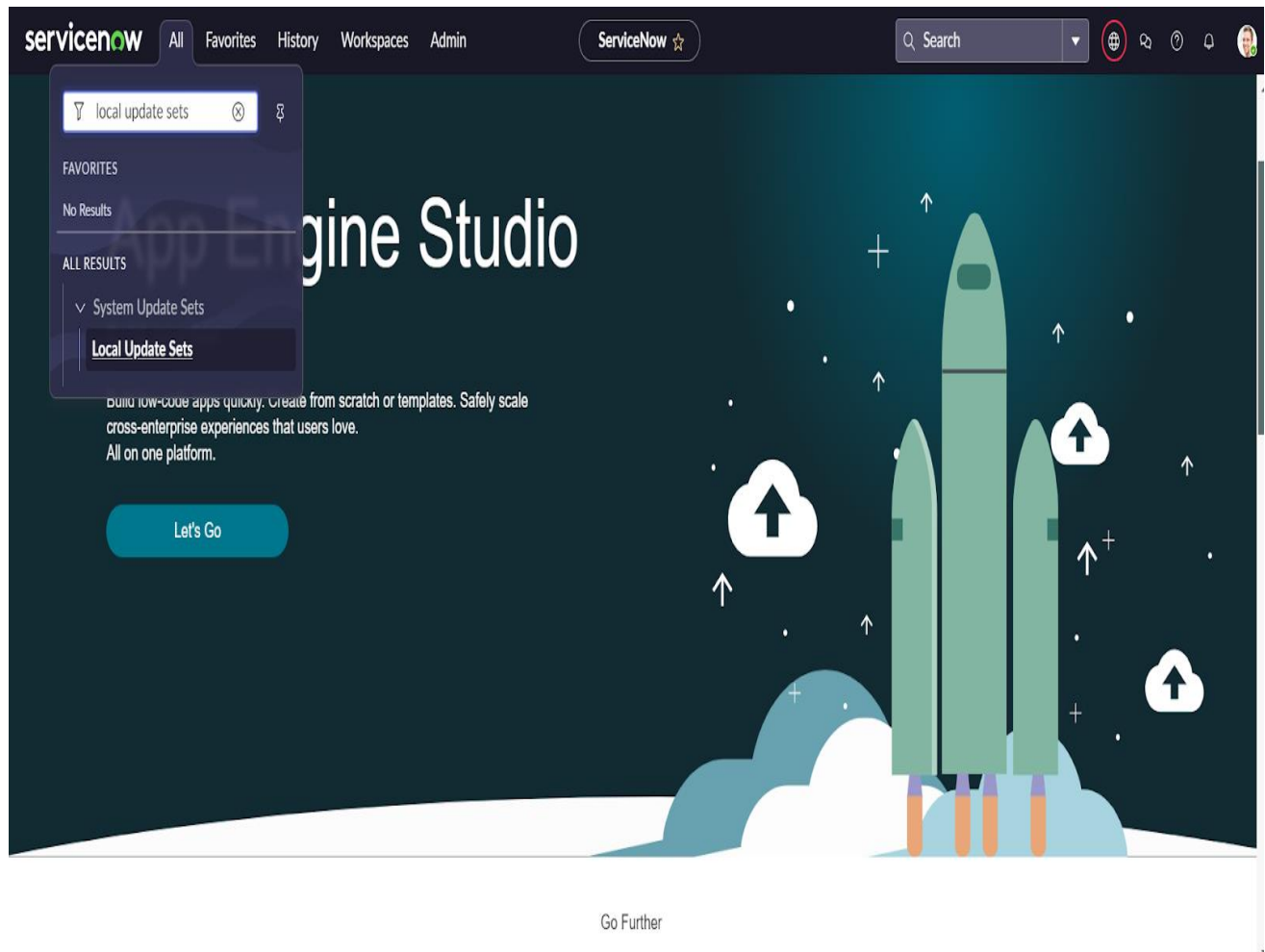
- Service Now System Administration.
- Tensor Flow.
- Database Management (SQL,No SQL).
- JavaScript/GlideScript.
- Problem-Solving & Analytical Skill.

TASK INITIATION

Milestone : Local Update Sets

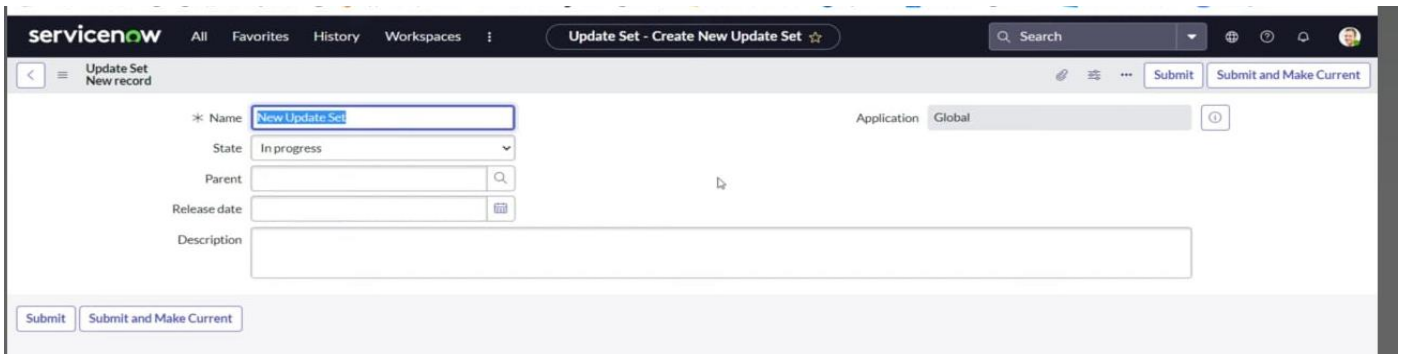
Activity 1 : Create Update Sets

1. Open Service Now.
2. Click On All >> Search for Local Update Sets.
3. Select Local Update Sets Under System Update Sets.



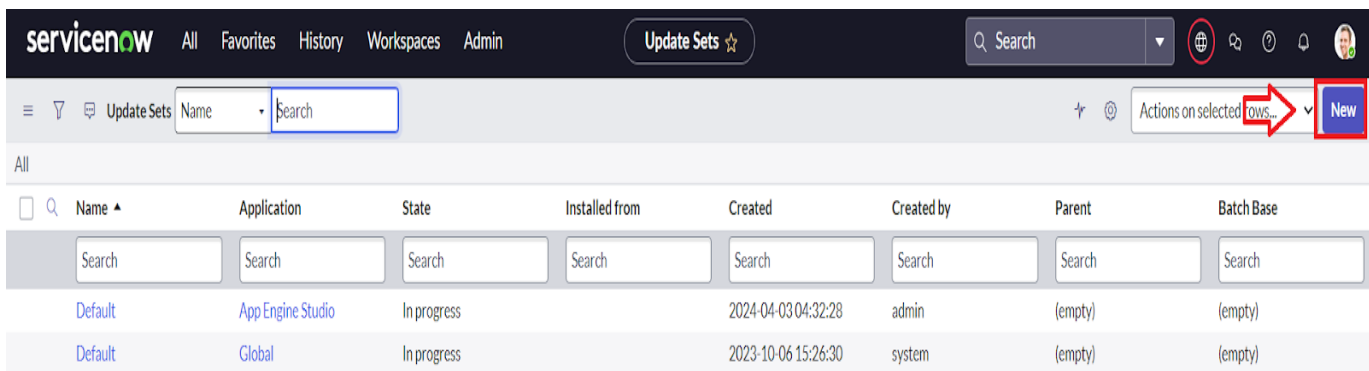
4. Click on New.

5. Enter the Details Name : Educational Organisation >> Click on Submit.



The screenshot shows the 'Update Set - Create New Update Set' form in ServiceNow. The form includes fields for Name (set to 'New Update Set'), State (set to 'In progress'), Application (set to 'Global'), Parent, Release date, and Description. There are 'Submit' and 'Submit and Make Current' buttons at the bottom.

Milestone 2 : Salesforce



The screenshot shows the 'Update Sets' list view in ServiceNow. The table has columns for Name, Application, State, Installed from, Created, Created by, Parent, and Batch Base. Two rows are visible: one for 'App Engine Studio' and one for 'Global'. A red box highlights the 'New' button in the top right corner.

Name	Application	State	Installed from	Created	Created by	Parent	Batch Base
Search	Search	Search	Search	Search	Search	Search	Search
Default	App Engine Studio	In progress		2024-04-03 04:32:28	admin	(empty)	(empty)
Default	Global	In progress		2023-10-06 15:26:30	system	(empty)	(empty)

Activity 1 : Create Salesforce Table

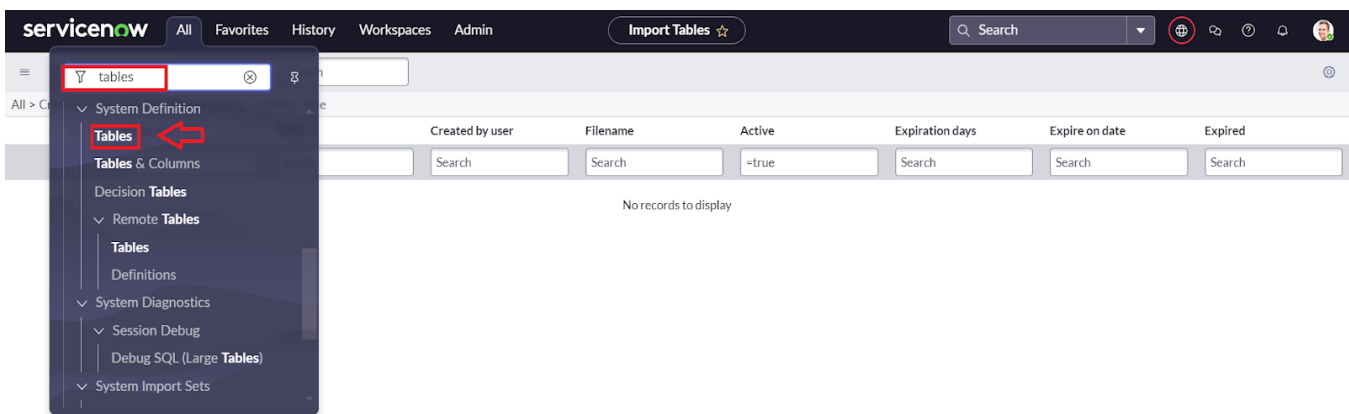
1. Open Service Now.

2. Click On All >> Search for Tables.

3. Select Tables Under System Definition.

4. Click on New.

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



The screenshot shows the ServiceNow 'Tables' page. The top bar has a search bar and a 'New' button. The table below lists various system tables with columns for Label, Name, Extends table, Extensible, and Updated.

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
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

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:

6. 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 .

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

* Label
 * Name
 Extends table

Columns * Controls Application Access

Table Columns for text Search

Dictionary Entries

Column label	Type	Reference	Max length
<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>	

Submit Cancel

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


Table
Salesforce

ⓘ This record is in the Global application, but Educational Organisation is the current application. To edit this record click here.

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

8. Click on controls >> Enable Extensible.

Columns Controls Application Access

Extensible ☒ 



Live feed ☐

Prefix

Number

Number of digits


Create access controls ☒

* User role  

9. 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 ☒

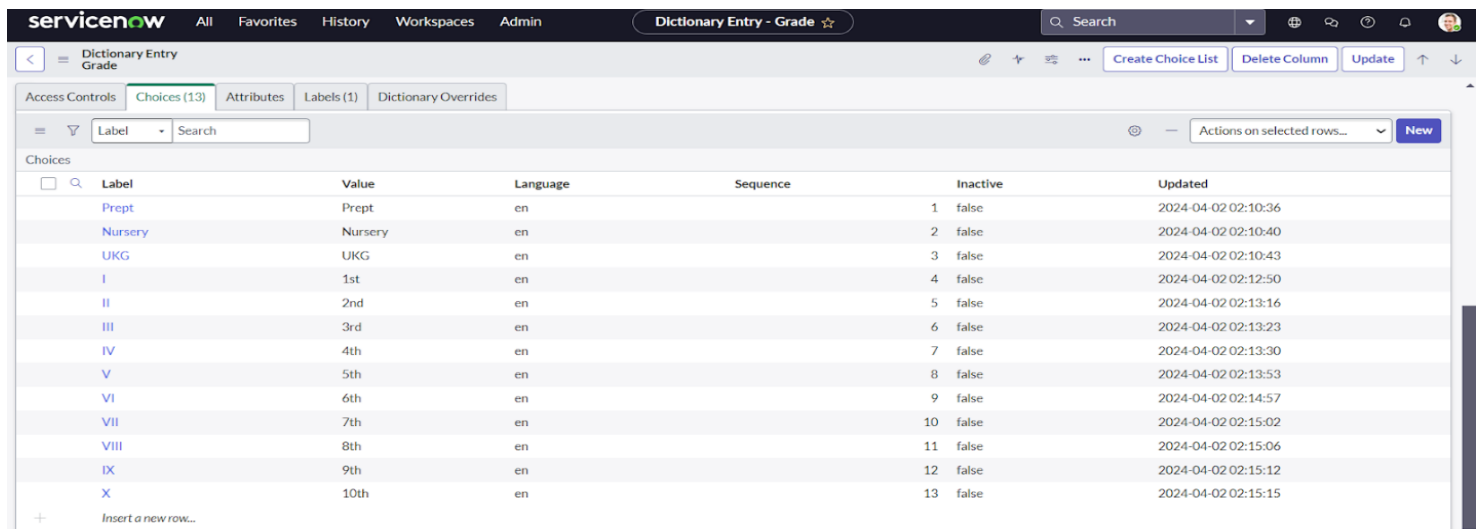
Dynamic default value  

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

Milestone 3 : Admission

Activity 1 : Creating Admission Table

1. Create an Admission Table with Columns given.



The screenshot shows the ServiceNow interface for the 'Dictionary Entry - Grade' page. The 'Choices' tab is active, displaying a table with 13 rows of grade levels. The table columns are Label, Value, Language, Sequence, Inactive, and Updated. The 'Label' column contains grade levels from Prept to X. The 'Value' column contains the corresponding grade names. The 'Language' column is set to 'en'. The 'Sequence' column is numbered 1 through 13. The 'Inactive' column is set to 'false' for all rows. The 'Updated' column shows the date and time of the last update for each row.

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

2. Select Extends Table >> Salesforce and also Select Add module to menu >> Salesforce.

3. 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

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.getTable();	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 Pin code as:

Access Controls

Choices (3)

Attributes

Labels (1)

Dictionary Overrides

≡

🔍

Label ▾

Search

⊙

—

Actions on selected rows... ▾

New

Choices

☐

☒

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

Choices

<div><div></div><div></div></div>	Label	Value	Language	Sequence	Inactive	Updated
	Tution	Tution	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
<div><div></div><div></div></div>	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

Choices

<input type="checkbox"/>	🔍 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

Choices

<input type="checkbox"/>	<input type="text"/>	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...						

Milestone 4 : Student Progress

Activity 1 : Creating Student Progress

1. Create a Student Progress Table with columns given.
2. Select Add module to menu >> Salesforce.
3. Create Files shown as :

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...				

Activity 2 : 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 [+].

servicenow
All
Favorites
History
Admin
ServiceNow
Search

<
Configuring Table form
Cancel
Save

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

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

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.

Tables

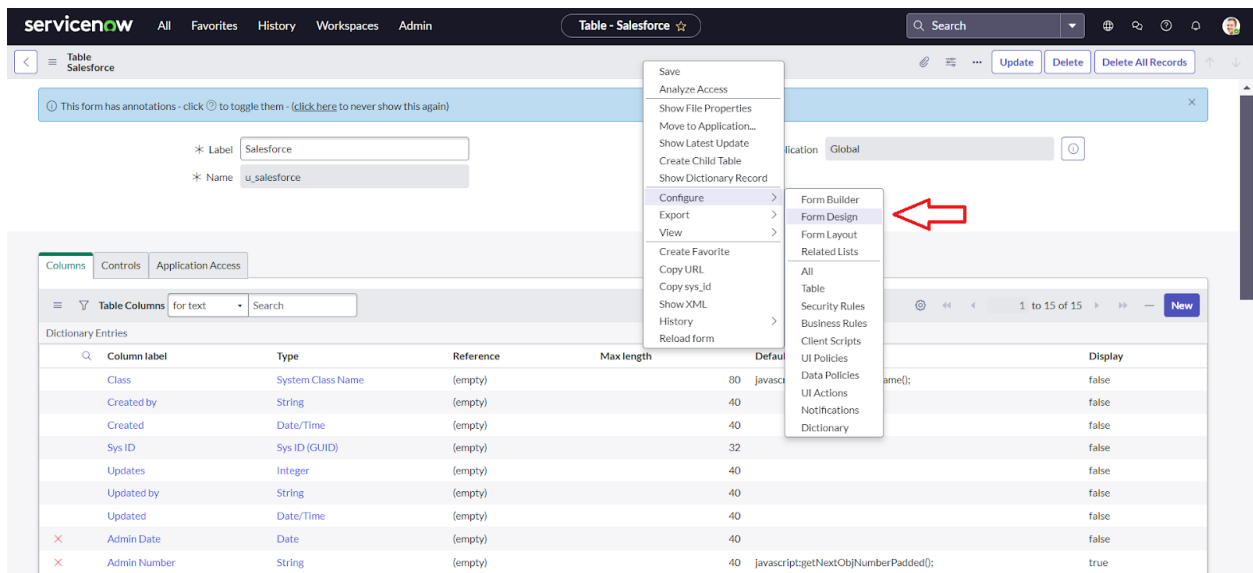
Label Search

Actions on selected rows... New

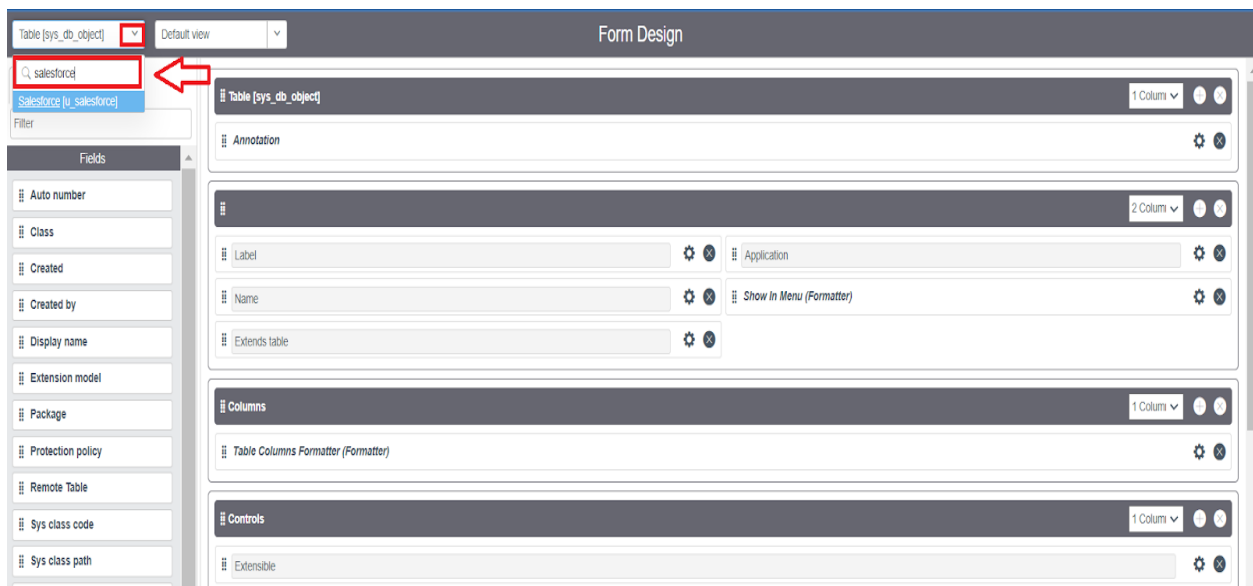
All > Update name is not empty

Label	Name	Extends table	Extensible	Updated
salesforce	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



4. In drop down Select Salesforce(u_salesforce).



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

Salesforce [u_salesforce] Default view Form Design Undo Save

Fields Field Types

Filter

Fields

- Class
- Created
- Created by
- Updated
- Updated by
- Updates

Formatters

- Activities (filtered)
- Contextual Search Results
- Ratings

Salesforce [u_salesforce] 2 Columns

Admin Number	Father Name
Admin Date	Mother Name
Grade	Father Cell
Student Name	Mother Cell

6. Save.

Activity 2 : Creating Form Design For Admission Table

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

Admission [u_admission] Default view Form Design

Fields Field Types

Filter

Fields

- Admin Number
- Class
- Created
- Created by
- Updated
- Updated by
- Updates

Formatters

- Activities (filtered)
- Contextual Search Results
- Ratings

Admission [u_admission] 1 Column

Process Flow (Formatter)

2 Columns

Admission Number	Admin Date
Purpose of join	Grade
Student Name	Fee
Father Name	Father Cell
Mother Name	Mother Cell
Admin Status	

1 Column

Comments

School Details 2 Columns

School Area	School
-------------	--------

Address 2 Columns

Pincode	Area
Mandal	City
House No	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 'Form Design'.

- Fields:** A list of fields to be added to the form, including 'Class', 'Created', 'Created by', 'Social', 'Updated', 'Updated by', and 'Updates'.
- Formatters:** A list of formatters to be applied to the fields, including 'Activities (filtered)', 'Contextual Search Results', and 'Ratings'.
- Form Design:** The main area where the form is designed. It shows a 'New Section' with a '1 Column' layout. The fields are arranged as follows:
 - Admission Number (1 Column)
 - Admission Number Grade (1 Column)
 - Admission Number Father Name (1 Column)
 - Admission Number Mother Name (1 Column)
 - Admission Number Father Cell (1 Column)
 - Admission Number Mother Cell (1 Column)

Milestone 6 : Number Maintenance

Activity 1 : Creating Number Maintenance For Admin Number

1. All >> Number Maintenance >> New.

The screenshot shows the 'Number Maintenance' interface. A search bar at the top contains the text 'number'. Below the search bar, there is a dropdown menu with the following options:

- FAVORITES
- No Results
- ALL RESULTS
- System Definition
- Number Maintenance (highlighted with a red box and a red arrow)

Below the dropdown menu, there is a table with the following columns: Reference, Max length, Default value, and Display. The table contains the following data:

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

2. Fill the details >> Submit.

The screenshot shows the 'Number - SAL' form in ServiceNow. The form includes the following fields: 'Table' (Salesforce), 'Prefix' (SAL), 'Number' (1,000), 'Application' (Global), and 'Number of digits' (7). There are 'Update' and 'Delete' buttons at the top right and bottom left. Below the form, there is a 'Related Links' section with a 'Show Counter' link.

Milestone 7 : Process Flow

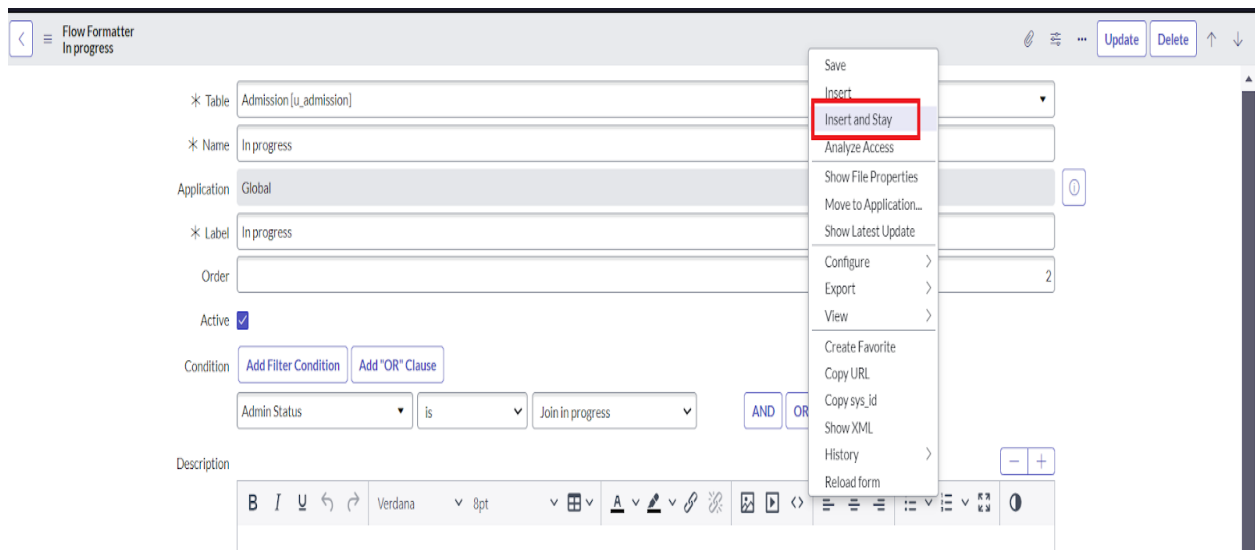
Activity 1 : Creating The Process Flow For Admission Table

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

The screenshot shows the 'Flow Formatter New' form in ServiceNow. The form includes the following fields: 'Table' (Admission [u_admission]), 'Name' (New), 'Application' (Global), 'Label' (New), 'Order' (1), 'Active' (checked), 'Condition' (Admin Status is New), and 'Description' (a rich text editor). There are 'Update' and 'Delete' buttons at the top right and bottom left. A context menu is open over the 'Show Latest Update' button, showing options like 'Save', 'Insert', 'Insert and Stay', 'Analyze Access', 'Show File Properties', 'Move to Application...', 'Show Latest Update', 'Configure', 'Export', 'View', 'Create Favorite', 'Copy URL', 'Copy sys_id', 'Show XML', 'History', and 'Reload form'.

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

4. Replace the Name and Label as below and click on Insert on stay.



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

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

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

Milestone 8 : Client Script

Activity 1 : Creating “Auto populate” Clients Script For Admission Table

1. All >> Client Scripts >> New.

2. 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   //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);
e);
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);
}

```

Activity 2 : Creating “Pincode Update” Clients Script For Admission Table

1. Fill the details as given.

Client Script
Pincode Update
Update
Delete

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

Name	Pincode Update	Application	Global ⓘ
Table	Admission [u_admission]	Active	<input checked="" type="checkbox"/>
UI Type	Desktop	Inherited	<input type="checkbox"/>
Type	onChange	Global	<input checked="" type="checkbox"/>
Field name	Pincode		
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');

```

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” Clients Scripts For Student Progress Table

1. Fill the details as given.

The screenshot shows a configuration window titled 'Client Script' with the subtitle 'Disable Fields'. At the top, there are buttons for 'Update' and 'Delete'. Below this is a blue banner with the text: 'This form has annotations - click ⓘ to toggle them - (click here to never show this again)'. The form contains several fields: 'Name' is 'Disable Fields', 'Table' is 'Student Progress [u_student_progress]', 'UI Type' is 'All', and 'Type' is 'onLoad'. To the right, 'Application' is 'Global', 'Active' is checked, 'Inherited' is unchecked, and 'Global' is checked. There are empty text boxes for 'Description' and 'Messages'. At the bottom, a 'Script' editor shows 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 }
```

2. 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” Clients Scripts For Student Progress Table

1. Fill the details as given.

The screenshot shows the ServiceNow interface for configuring a Client Script. The breadcrumb trail is 'Client Script - Total Up...'. The page title is 'Client Script - Total Update'. A message at the top states: 'You are editing a record in the Global application (cancel)'. The configuration fields are as follows:

- Name: Total Update
- Table: Student Progress [u.student_progress]
- UI Type: All
- Type: onChange
- Field name: Social
- 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  
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.

2. 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'));
```

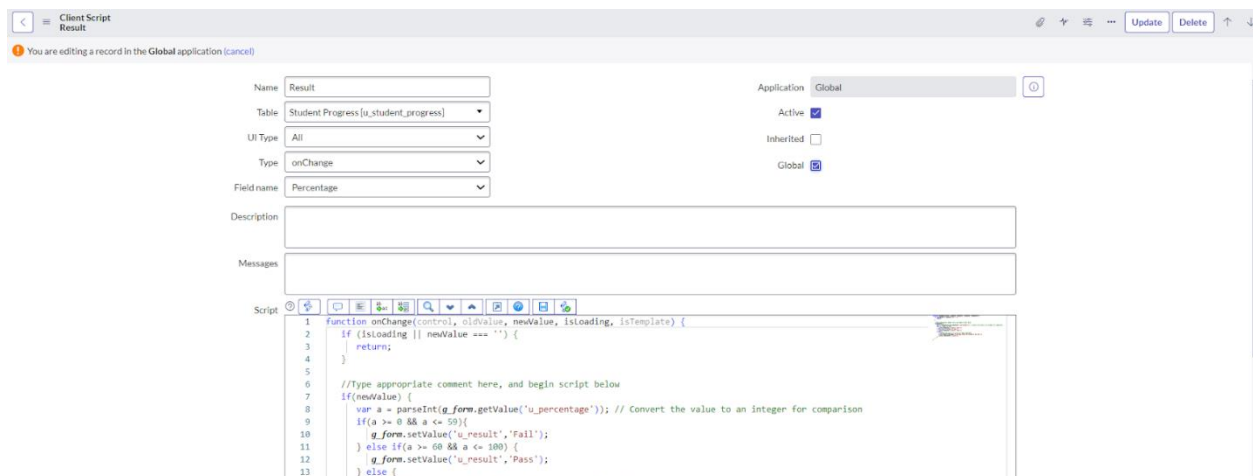
```

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.



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 <= 50){
10      g_form.setValue('u_result', 'Fail');
11    } else if(a >= 50 && a <= 100) {
12      g_form.setValue('u_result', 'Pass');
13    } else {

```

2. 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 8 : Creating “Percentage” Clients Script For Student Progress Table

1. Fill the details as given .

< Client Script Percentage Update Delete

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

Name	Percentage	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	Total		

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   var Total = g_form.getValue('u_total');
8   var Percentage = (Total/600)*100;
9   g_form.setValue('u_percentage',Percentage+'%');
10 }

```

Isolate script ☒

Update Delete

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

```

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

```

Milestone 9 : Result

< Salesforce New record Submit

Admin Number	SAL0001078	Father Name	
Admin Date		Mother Name	
Grade	--None--	Mother Cell	
Student Name		Father Cell	

Submit

< Admission New record Submit

New In progress Joined Rejected Rejoined Closed Cancelled

Admission Number		Admin Date	
Purpose of Join	--None--	Grade	--None--
Student Name		Fee	\$ 0.00
Father Name		Father Cell	
Mother Name		Mother Cell	
Comments			
	Admin Status	--None--	

School Details Address



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

Submit

<


≡

New Section
New record




Submit

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