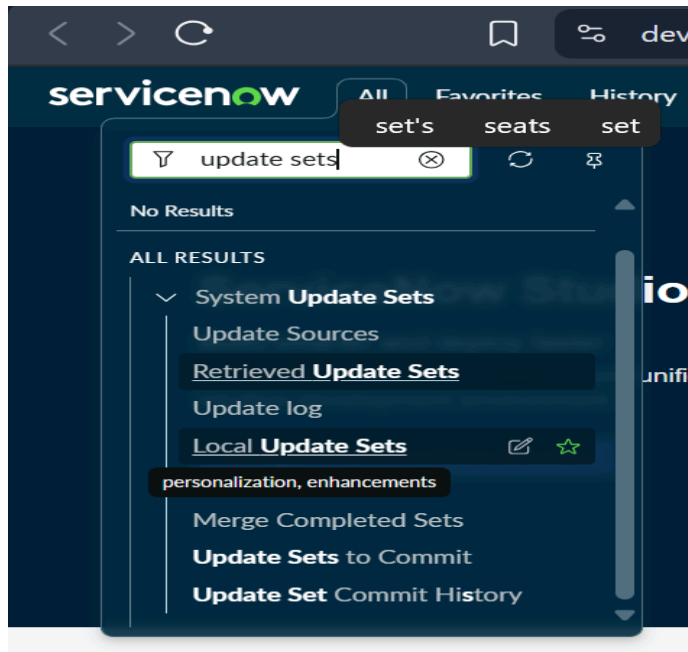


## Creating Course Master Table, Library Management Table 5 UI Policies for each table

Name : K.Eswar Ram Kumar  
Roll no : 22H41A0426  
Branch : ECE

### Creaiting Update set :

System Updatesets > Local Update sets



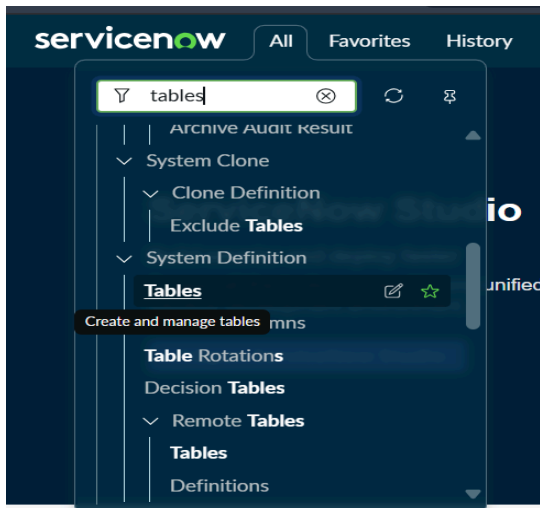
Click New

Name : .....

Submit And Make current

### Table Creation :

System Definition > tables



New

Label : Course Master

Name : u\_course\_master (auto populate)

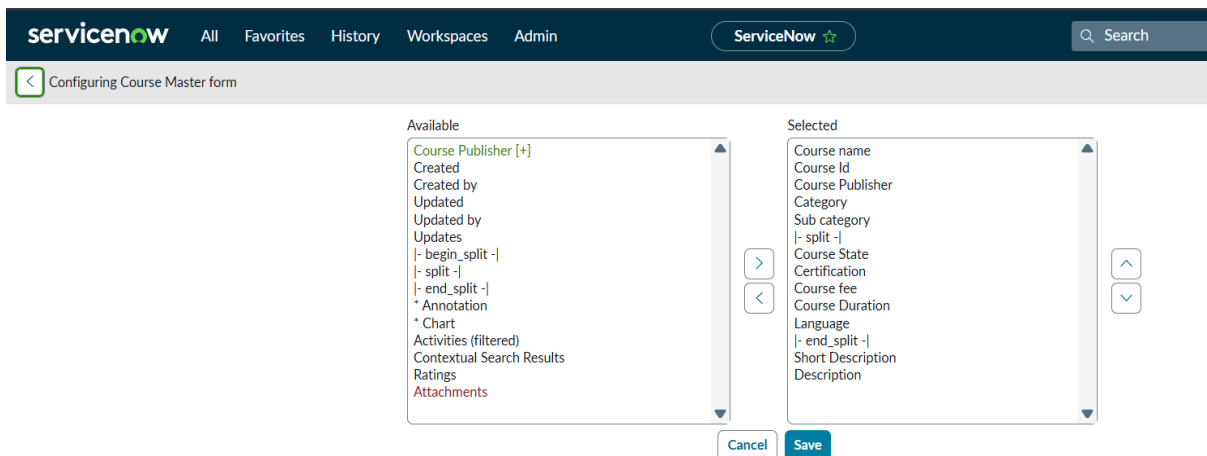
Number : Auto Number

Then save

Configure Form :

Configure > Form Layout

Create Fields > add



Add choice lists

Add dependency fields

Dependency ( category - sub category )

# Create UI Policies

## Configure > Ui Policies

1.

The screenshot shows the 'UI Policy - visibility for Short Description' configuration page in ServiceNow. The table is set to 'Course Master [u\_course\_master]' and the application is 'Global'. The policy is active. The 'When to Apply' section shows a condition: 'Category is Soft skills'. The 'Related Links' section includes 'Advanced view' and 'Run Point Scan'. The 'UI Policy Actions (1)' section shows a table with one action: 'u\_short\_description' is set to 'Leave alone' for 'Mandatory' and 'Read only'.

Field name	Mandatory	Visible	Read only
u_short_description	Leave alone	False	Leave alone

The screenshot shows the 'UI Policy Action - New Record' page. The UI policy is 'Category software certification is Mandatory'. The table is 'Course Master [u\_course\_master]'. The field name is 'Certification'. The application is 'Global'. The 'Mandatory' dropdown is set to 'True'. The 'Visible' dropdown is set to 'Leave alone'. The 'Read only' dropdown is set to 'Leave alone'. There is a 'Clear the field value' checkbox.

Submit

Category | is | software

Certification is mandatory

2.

The screenshot shows the 'UI Policy Action - New Record' page. The UI policy is 'visibility for Short Description'. The table is 'Course Master [u\_course\_master]'. The field name is 'Short Description'. The application is 'Global'. The 'Mandatory' dropdown is set to 'Leave alone'. The 'Visible' dropdown is set to 'False'. The 'Read only' dropdown is set to 'Leave alone'. There is a 'Clear the field value' checkbox.

Submit

Category | is | Softskills

Subcategory false

3. Category | is | Hardware

Mode of course False

servicenow All Favorites History Workspaces Admin UI Policy Action - New Record [More Info](#)

UI Policy Action New record

UI policy actions specify exactly what actions to take on a specified field. The conditions specified in the UI policy determine when these actions are triggered. [More Info](#)

UI policy: Mode Read only for Hardware

Table: Course Master [u\_course\_master]

\* Field name: Mode Of Course

Application: Global

Mandatory: Leave alone

Visible: Leave alone

Read only: True

Clear the field value: ☐

Submit

4. Category | is | softskills  
Course Duration is Mandetory & Read Only

servicenow All Favorites History Workspaces Admin UI Policy Action - New Record [More Info](#)

UI Policy Action New record

UI policy actions specify exactly what actions to take on a specified field. The conditions specified in the UI policy determine when these actions are triggered. [More Info](#)

UI policy: Duration mandatory for soft skills

Table: Course Master [u\_course\_master]

\* Field name: Course Duration

Application: Global

Mandatory: True

Visible: Leave alone

Read only: True

Clear the field value: ☐

Submit

5. Category | is not | Empty  
Sub Category is Mandetory

## 2. Table creation : Library management system

System Definition > tables

Table name : .....

Controls :

Auto number

Prefix: LIB

Number : 1000

Number of Digits : 7 > Submit.

**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.

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   
 Create module ☒  
 Create mobile module ☒  
 Add module to menu   
 New menu name   
 Remote Table ☐

Columns Controls Application Access

Extensible ☐  
 Live feed ☐

Use auto-numbering to define a sequential identifying code made up of a prefix, a base number and a padding value to ensure a consistent format

Auto-number ☒  
 Prefix   
 Number   
 Number of digits

## Create Feilds : Cunfigure > Form Layout

Configuring Library Managementet form

Available

- Created
- Created by
- Updated
- Updated by
- Updates
- User Name [+]
- [- begin\_split -]
- [- split -]
- [- end\_split -]
- \* Annotation
- \* Chart
- Activities (filtered)
- Contextual Search Results
- Ratings
- Attachments

Selected

- Number
- Book Name
- Sub Category
- User Name
- Book Category
- User Category
- [- split -]
- Book Status
- Issued Date
- Return Date
- Fine
- [- end\_split -]
- Short Description
- Description

Form view and section

View name   
 Section

Create new field

Name   
 Type

Related Links

**servicenow** All Favorites History Workspaces Admin Library Managementet - Create LIB0001004

Library Managementet New record

Number   
 User Category   
 User Name   
 Book Name   
 Book Category   
 Sub Category   
 Short Description   
 Description

Book Status   
 Issued Date   
 Return Date   
 Fine \$

Submit

## Add choice Fields > Configure Choises Creating UI Policies Configure > UI Policies 1. Dates Read Only For Book is Not available

**servicenow** All Favorites History Workspaces Admin UI Policy - Dates Read Only If State is Not available

Table: **Library Managementnet [u\_library\_managemen...]** Application: **Global** Active: ☒

\* Short description: **Dates Read Only If State is Not available** Order: **100**

**When to Apply** Script

Conditions: **Add Filter Condition** **Add OR Clause**

**Book Status** is **Un Available** **AND** **OR** **X**

If selected, the UI Policy applies to all form views; otherwise the UI Policy is view-specific

Global: ☒ On load: ☒

Reverse the effects of the UI policy actions when the Conditions evaluate to false

Reverse if false: ☒ Inherit: ☐

Update Delete

---

**servicenow** All Favorites History Workspaces Admin UI Policy Action - u\_return\_date

UI Policy actions specify exactly what actions to take on a specified field. The conditions specified in the UI policy determine when these actions are triggered. [More Info](#)

UI policy: **Dates Read Only If State is Not available** Application: **Global**

Table: **Library Managementnet [u\_library\_managemenet]** Mandatory: **Leave alone**

\* Field name: **Return Date** Visible: **Leave alone**

Read only: **True** Clear the field value: ☒

Update Delete

Book Status | is | Unavailable  
 Issued Date : Read Only  
 Returned Date : Read Only

## 2. User Details Mandatory For Book issued State

**servicenow** All Favorites History Workspaces Admin UI Policy - User Details Mandatory Only When Issuing

Table: **Library Managementnet [u\_library\_managemen...]** Application: **Global** Active: ☒

\* Short description: **User Details Mandatory Only When Issuing**

**When to Apply**

Conditions: **Add Filter Condition** **Add OR Clause**

**Book Status** is **Issued** **AND** **OR** **X**

Update Delete

**Related Links**  
[Convert this to Data Policy](#)  
[Advanced view](#)  
[Run Point Scan](#)

UI Policy Actions (3) UI Policy Related List Actions

UI policy - User Details Mandatory Only When Issuing

Field name	Mandatory	Visible	Read only
u_issued_date	True	Leave alone	Leave alone
u_user_category	True	Leave alone	Leave alone
u_user_name	True	Leave alone	Leave alone

Book Status | is | Issued  
 Mandotory  
 User Category  
 User Name  
 Issued Date

### 3. Sub Category is Shown If Book category Not Empty

Book Category | is | Not Empty

Sub category Is mandatory

The screenshot shows the 'UI Policy - Sub Category is Shown If Book category Not Empty' configuration page. The 'When to Apply' tab is active, showing a condition: 'Book Category' is not 'None'. The 'Script' tab is also visible. Below the conditions, there are checkboxes for 'Global', 'On load', 'Reverse the effects of the UI policy actions when the Conditions evaluate to false', and 'Reverse if false'. A table at the bottom lists related actions, including 'UI Policy Related List Actions'.

Field name	Mandatory	Visible	Read only
u_sub_category	True	True	Leave alone

### 4. Fine Field Appears Only On Lost Or not Return

Book Status | is | Lost (or)

Book Status | is | Damaged

Fine (True)

The screenshot shows the 'UI Policy - New Record' configuration page. The 'When to Apply' tab is active, showing two conditions: 'Book Status' is 'Lost' OR 'Book Status' is 'Damaged'. The 'Script' tab is also visible. Below the conditions, there are checkboxes for 'Global', 'On load', 'Reverse the effects of the UI policy actions when the Conditions evaluate to false', and 'Reverse if false'. A 'Submit' button is at the bottom left.

### 5. Book Status is Returned Returned date is mandatory

Book Status | is | Returned

Returning Date (Mandatory)

