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## TABLE : Courses Master

### ◆ onLoad – Questions

1. On form load, set **Course Mode** to *Online* by default.
2. Display a message showing “Please verify course details before saving.”

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Course Master Onload
- **Table** : u\_course\_master
- **UI Type** : All
- **Type** : Onload

The screenshot shows the ServiceNow Client Script configuration interface. The 'Name' is 'Course Master Onload', 'Table' is 'Course Master [u\_course\_master]', 'UI Type' is 'All', and 'Type' is 'onLoad'. The 'Application' is set to 'Global'. The 'Description' field contains two instructions: '1. On form load, set Course Mode to Online by default.' and '2. Display a message showing "Please verify course details before saving."'. The 'Script' field contains the following JavaScript code:

```
1 function onLoad() {  
2     //type appropriate comment here, and begin script below  
3     var a="Online";  
4     g_form.setValue('u_mode_of_course',a);  
5     g_form.addInfoMessage('Please Verify course Details before Saving');  
6 }
```

The 'Isolate script' checkbox is checked. At the bottom, there are 'Update' and 'Delete' buttons.

The screenshot shows the 'Course Master' form in ServiceNow. At the top, there is a message: 'Please Verify course Details before Saving'. The form fields are as follows:

- Number: COUR0001058
- Course Id: (empty)
- Course name: (empty)
- \* Course Publisher: Alejandra Prenatt
- Category: -- None --
- Sub category: -- None --
- Short Description: (empty)
- Description: (empty)
- Course State: Scheduled
- Certification: Yes
- Course Type: Paid
- Course fee: \$ 0.00
- Course Duration: Days 186, Hours 01, 00, 00
- Language: -- None --
- Mode Of Course: Online

At the bottom, there are 'Update' and 'Delete' buttons.

## ◆ onChange – Questions

3.If **Course Type** is *Paid*, display the **Course Fee** field.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Course Master OnChange (Course Type)
- **Table** : u\_course\_master
- **UI Type** : All
- **Type** : OnChange
- **Field name** : Course Type

The screenshot shows the ServiceNow configuration page for a Client Script named 'Course Master OnChange (Course Type)'. The configuration details are as follows:

- Name:** Course Master OnChange (Course Type)
- Table:** Course Master [u\_course\_master]
- UI Type:** All
- Type:** onChange
- Field name:** Course Type
- Description:** 3.If Course Type is Paid, display the Course Fee field.
- Script:**

```
1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {  
2   if (isLoading) {  
3     return;  
4   }  
5   if (newValue == 'Paid') {  
6     $form.setDisplay('u_course_fee', true);  
7   } else {  
8     $form.setDisplay('u_course_fee', false);  
9   }  
10 }  
11  
12 }
```

The screenshot displays the 'Course Master' form with the following field values:

- Course State: Scheduled
- Certification: Yes
- Course Type: Paid (highlighted with a green border)
- Course fee: \$ 0.00
- Course Duration: Days 180, Hours 0, 0, 0
- Language: -- None --
- Mode Of Course: Online

4.If **Course Duration** is more than 6 months, show a warning message.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Course Master OnChange (course Duration)
- **Table** : u\_course\_master
- **UI Type** : All
- **Type** : OnChange
- **Field name** : Course Duration

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Client Script Course Master Onchange (Course Duration)

New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client.globals" to false.

Name: **Course Master Onchange (Course Duration)** Application: **Global**

Table: **Course Master [u\_course\_master]** Active: ☒

UI Type: **All** Inherited: ☐

Type: **onChange** Global: ☒

Field name: **Course Duration**

Description: **4.If Course Duration is more than 6 months, show a warning message.**

Messages:

Script

```

1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading) {
3     return;
4   }
5   var duration = g_form.getValue('u_course_duration');
6   if (duration > '180 00:00:00') {
7     g_form.showFieldMsg('u_course_duration', 'Course duration exceeds 6 months. Please verify.', 'warning');
8   }
9 }
10

```

Isolate script ☒

Course State **Scheduled**

Certification **Yes**

Course Type **Paid**

Course fee \$ **0.00**

Course Duration Days **180** Hours **02** **0** **0**

Course duration exceeds 6 months. Please verify.

#### ◆ onCellEdit – Questions

5. When **Course Fee** is updated through list edit, display a confirmation alert.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Course Master OnCellEdit (course Fee)
- **Table** : u\_course\_master
- **UI Type** : All
- **Type** : OnCelledit
- **Field name** : Course Fee

servicenow All Favorites History Workspaces Admin Client Script - Course Master onCellEdit

New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client.globals" to false.

Name: Course Master onCellEdit Application: Global

Table: Course Master [u\_course\_master] Active: ☒

UI Type: All Inherited: ☐

Type: onCellEdit Global: ☒

Field name: Course fee (€)

Description: 5.When Course Fee is updated through list edit, display a confirmation alert.

Messages:

Script

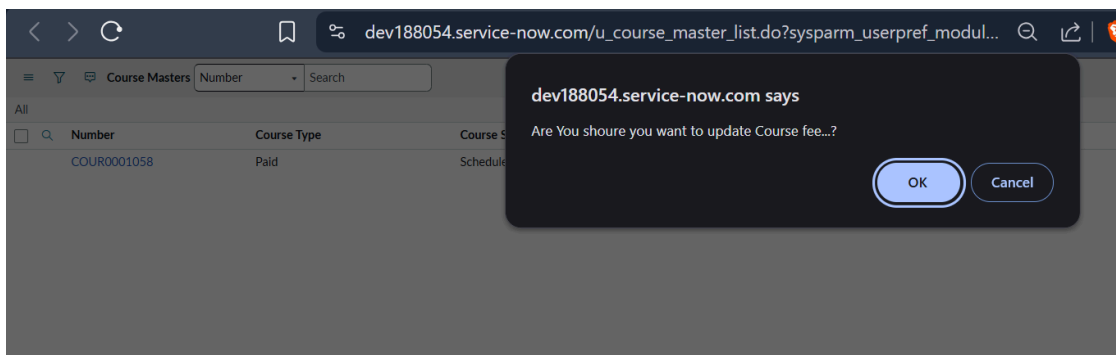
```

1 function onCellEdit(sysId, table, oldValues, newValue, callback) {
2   var saveAndClose = true;
3   var confirmUpdate = confirm('Are You shoure you want to update Course fee...?');
4   if(!confirmUpdate){
5     callback(false);
6     return;
7   }
8   //Type appropriate comment here, and begin script below
9
10  callback(saveAndClose);
11 }

```

Isolate script ☒

Update Delete



## 6.Track list edits made on **Course Name**.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Course Master OnCellEdit (Course Name)
- **Table** : u\_course\_master
- **UI Type** : All
- **Type** : OnCelledit
- **Field name** : Course Name

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New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client.globals" to false.

Name: Course Master OnCellEdit (Course Name) Application: Global

Table: Course Master [u\_course\_master] Active: ☒

UI Type: All Inherited: ☐

Type: onCellEdit Global: ☒

Field name: Course name

Description: 6.Track list edits made on Course Name.

Messages:

Script

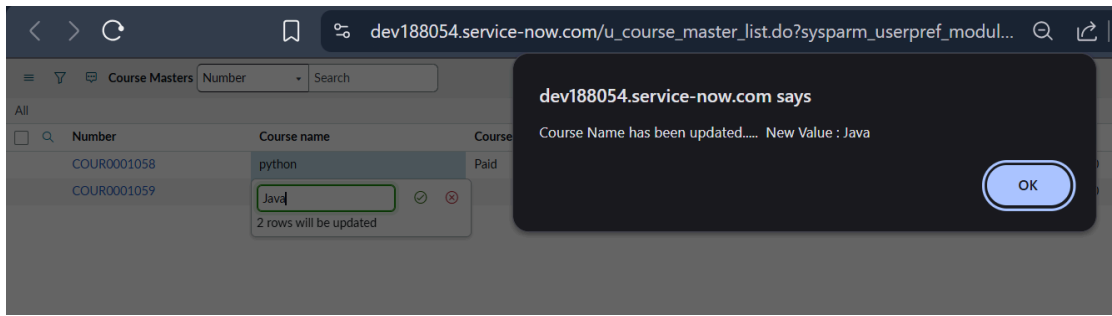
```

1 function onCellEdit(sysId, table, oldValues, newValue, callback) {
2
3   // Log list edit of Course Name
4   console.log('Course Name updated via list edit. New Value: ' + newValue);
5
6   alert('Course Name has been updated..... New Value : ' + newValue);
7
8   // Allow save
9   callback(true);
10
11 }

```

Isolate script ☒

Update Delete

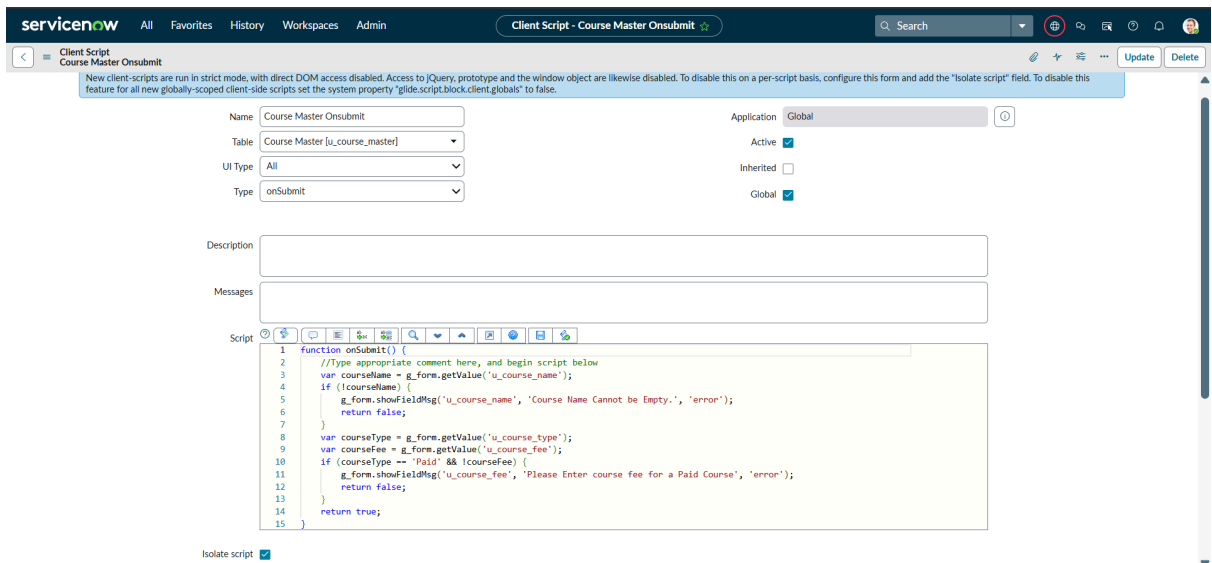


### ◆ onSubmit – Questions

7.Prevent saving the record if **Paid course** does not have a fee entered.

8.Validate that **Course Name** is not empty before submission.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Course Master OnSubmit
- **Table** : u\_course\_master
- **UI Type** : All
- **Type** : Onsubmit



Course State

Scheduled

Certification

Yes

Course Type

Paid

Course fee (₹)

Please Enter course fee for a Paid Course

Course Duration

Days 0

Hours 01

00

00

Language

-- None --

Mode Of Course

Online

course Details before Saving

Number

COUR0001059

Course Id

Course name

Course Name Cannot be Empty.

Course Name Cannot be Empty.

\* Course Publisher

Alejandra Prenatt

Category

-- None --

Sub category

-- None --

Short Description

Description

## ◆ TABLE : Library Management

### ◆ onLoad – Questions

- 1.On form load, set **Book Status** to *Available*.
- 2.Display a message saying “Please return books on time.”

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Library Onload
- **Table** : u\_library\_management
- **UI Type** : All
- **Type** : Onload

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Client Script - Library Onload

Search

Client Script Library Onload

Update Delete

New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client-globals" to false.

Name

Library Onload

Table

Library Management [u\_library\_manage...

UI Type

All

Type

onLoad

Application

Global

Active

☒

Inherited

☐

Global

☒

Description

1.On form load, set Book Status to Available.  
2.Display a message saying "Please return books on time."

Messages

Script

```

1 function onLoad() {
2     //Type appropriate comment here, and begin script below
3     g_form.setValue('u_book_status','available');
4     g_form.addInfoMessage('Please Return Books on time');
5 }

```

dev188054.service-now.com/u\_library\_management.do?sys\_id=-1&sys\_is\_list...

Library Management  
New record

Please Return Books on time

Number: LIB0001020

User Category: -- None --

User Name: [Search]

Book Name: [Text]

Book Category: -- None --

Short Description: [Text]

Description: [Text]

Book Status: available

Issued Date: [Calendar]

Return Date: [Calendar]

Submit

### ◆ onChange – Questions

3. When **Issue Date** is entered, change **Status** to *Issued*.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Library Onchange ( Status )
- **Table** : u\_library\_management
- **UI Type** : All
- **Type** : OnChange
- **Field Name** : Issued Date

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Client Script  
Library Onchange (Status)

New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client.globals" to false.

Name: Library Onchange (Status)

Table: Library Management [u\_library\_manage...]

UI Type: All

Type: onChange

Field name: Issued Date

Application: Global

Active: ☒

Inherited: ☐

Global: ☒

Description: 3. When Issue Date is entered, change Status to Issued.

Messages: [Text]

Script

```

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

```

Book Status: Issued **Select Issued Date date and time**

\* Issued Date: 2025-12-19 11:20:40 [Calendar]

Return Date: [Calendar]

4. When **Return Date** is selected, calculate and display a **Fine** if overdue.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Library Onchange ( Return Fine)
- **Table** : u\_library\_management
- **UI Type** : All
- **Type** : OnChange
- **Field Name** : Return Date

The screenshot shows the ServiceNow interface. The top part displays the 'Client Script - Library Onchange ( Return Date )' configuration page. The 'Name' is 'Library Onchange ( Return Date )', 'Table' is 'Library Management [u\_library\_manage...]', 'UI Type' is 'All', 'Type' is 'onChange', and 'Field name' is 'Return Date'. The 'Description' is '4.When Return Date is selected, calculate and display a Fine if overdue.' The 'Script' field contains the following code:

```
1 function onChange(control, oldValue, newValue, isLoading) {
2   if (isLoading || !newValue) return;
3   if (isLoading || !newValue) return;
4   var i = new Date(g_form.getValue('u_issued_date'));
5   var r = new Date(newValue);
6   if (isNaN(i) || isNaN(r)) return;
7   var days = Math.floor((r - i) / 86400000);
8   g_form.setValue('u_fine', days > 14 ? (days - 14) * 10 : 0);
9 }
10
11
12
```

The 'Isolate script' checkbox is checked. Below the configuration page, a sample form titled 'Library Management New record' is shown. It includes fields for 'Number' (LIB0001037), 'User Category' (None), 'User Name', 'Book Name', 'Book Category' (None), 'Short Description', 'Description', 'Book Status' (Lost), 'Issued Date' (2025-12-10 12:16:36), 'Return Date' (2025-12-31 12:16:44), and '\* Fine (₹)' (70). A 'Submit' button is at the bottom.

#### ◆ onCellEdit – Questions

5.Show an alert when library records are updated using list edit.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Library OncellEdit
- **Table** : u\_library\_management
- **UI Type** : All
- **Type** : OnCellEdit
- **Field Name** : Leave as empty.



servicenow All Favorites History Workspaces Admin Client Script - Library OnCellEdit(Alert)

New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client.globals" to false.

Name: Library OnCellEdit(Alert) Application: Global

Table: Library Management [u\_library\_manage...] Active: ☒

UI Type: All Inherited: ☐

Type: onCellEdit Global: ☒

Field name: -- None --

Description: 5.Show an alert when library records are updated using list edit.

Messages:

Script

```

1 function onCellEdit(sysId, table, oldValues, newValue, callback) {
2   //Type appropriate comment here, and begin script below
3   alert('Library Records are updated through List editors ');
4   callback(true);
5 }

```

Isolate script: ☒

Update Delete

6.Track changes made to **Return Date** through list editing.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Library OncellEdit
- **Table** : u\_library\_management
- **UI Type** : All
- **Type** : OnCellEdit
- **Field Name** : Return Date

servicenow All Favorites History Workspaces Admin Client Script - Library OnCellEdit

New client-scripts are run in strict mode, with direct DOM access disabled. Access to jQuery, prototype and the window object are likewise disabled. To disable this on a per-script basis, configure this form and add the "Isolate script" field. To disable this feature for all new globally-scoped client-side scripts set the system property "glide.script.block.client.globals" to false.

Name: Library OnCellEdit Application: Global

Table: Library Management [u\_library\_manage...] Active: ☒

UI Type: All Inherited: ☐

Type: onCellEdit Global: ☒

Field name: Return Date

Description: 5.Show an alert when library records are updated using list edit.

Messages:

Script

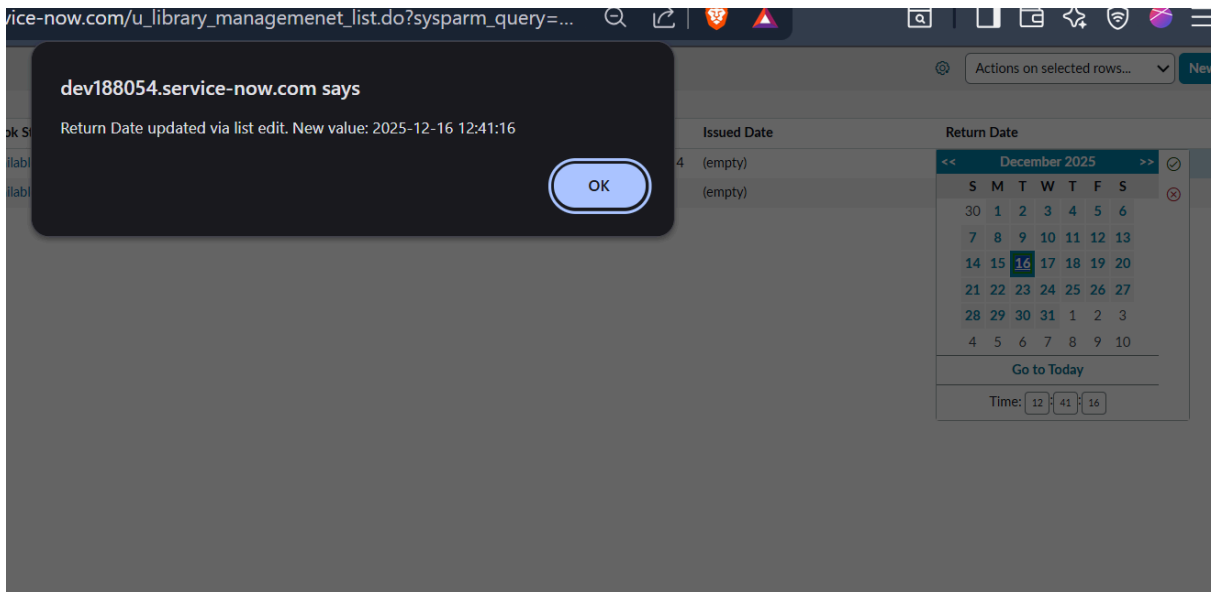
```

1 function onCellEdit(sysId, table, oldValues, newValue, callback) {
2
3
4   alert('Return Date updated via list edit. New value: ' + newValue);
5
6   callback(true); // allow save
7 }

```

Isolate script: ☒

Update Delete



#### ◆ onSubmit – Questions

7. Do not allow submission if **Return Date** is earlier than **Issue Date**.

8. Prevent saving if **Book Name** is empty.

- Configure > Client Script
- Click on **New** — Configure the form :
- **Name** : Library OnSubmit
- **Table** : u\_library\_management
- **UI Type** : All
- **Type** : OnSubmit

