

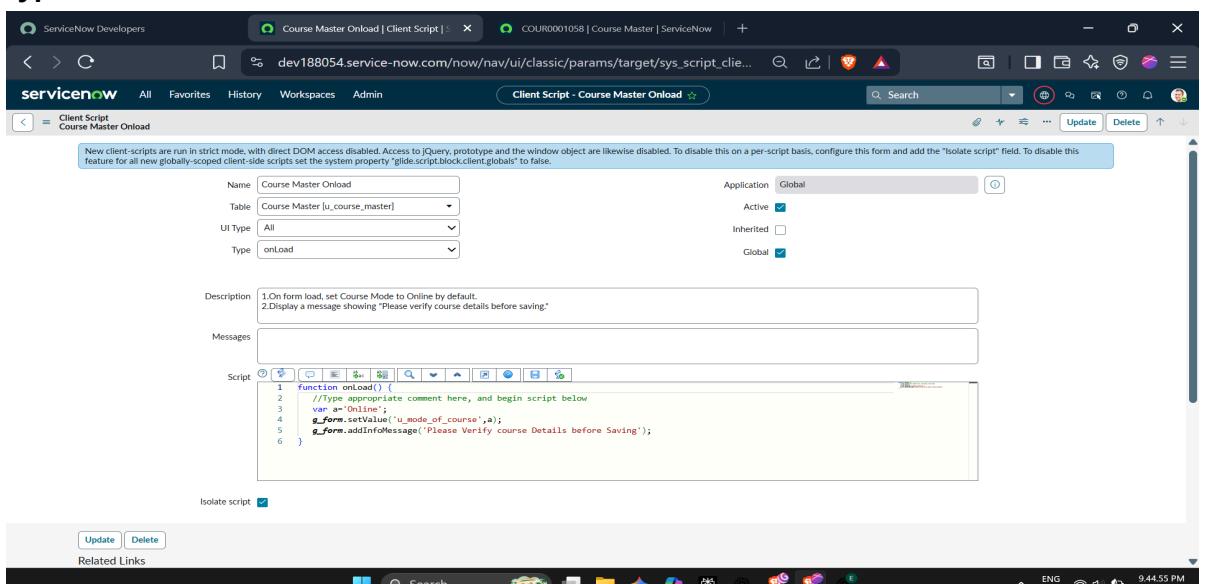
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TABLE : Courses Master

♦ 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

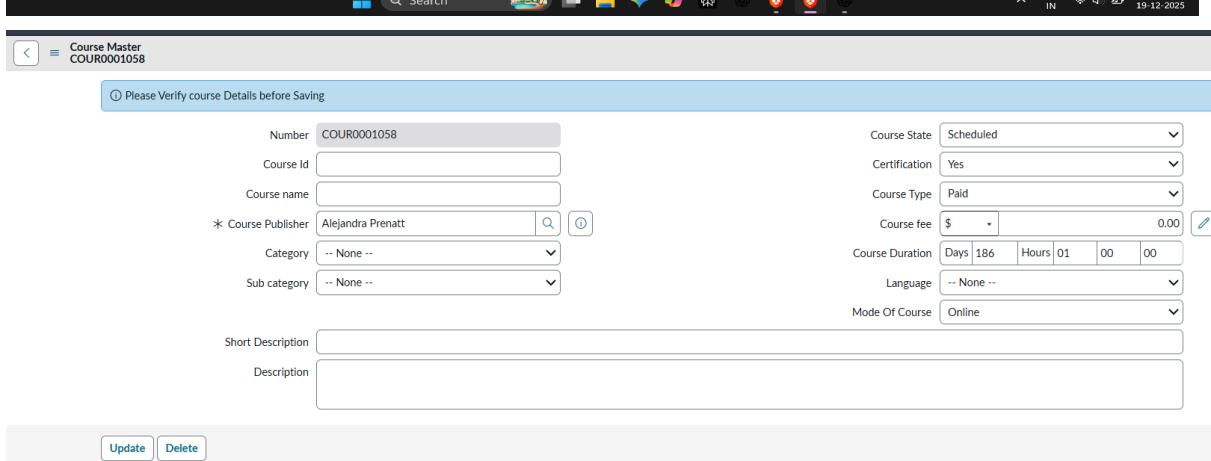


The screenshot shows the ServiceNow Developers interface with the following details:

- Client Script - Course Master Onload** (selected in the left sidebar)
- Name**: Course Master Onload
- Table**: Course Master [u_course_master]
- UI Type**: All
- Type**: onLoad
- Description**: 1.On form load, set Course Mode to Online by default.
2.Display a message showing "Please verify course details before saving."
- Script** (Code View):

```

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 }
```
- Isolate script**: checked
- Buttons**: Update, Delete



The screenshot shows the Course Master form with the following details:

- Number**: COUR0001058
- Course State**: Scheduled
- Certification**: Yes
- Course Type**: Paid
- Course fee**: \$ 0.00
- Course Duration**: Days 186 Hours 01 Min 00 Sec 00
- Language**: -- None --
- Mode Of Course**: Online
- Short Description**: (empty)
- Description**: (empty)
- Buttons**: Update, Delete

A validation message is displayed at the top of the form: **(i) Please Verify course Details before Saving**.

♦ 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 'Client Script - Course Master Onchange (Course Type)' configuration page. The 'Script' section contains the following code:

```

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

```

●

Course State	Scheduled
Certification	Yes
Course Type	Paid
Course Duration	Days 180 Hours 0 0 0
Language	-- None --
Mode Of Course	Online

Course State	Scheduled
Certification	Yes
Course Type	Paid
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

Name: Course Master Onchange (Course Duration)

Table: Course Master [u_course_master]

UI Type: All

Type: onChange

Field name: Course Duration

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

```

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 }

```

Application: Global

Active:

Inherited:

Global:

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

Name: Course Master onCellEdit Application: Global

Table: Course Master [u_course_master] Active:

UI Type: All Inherited:

Type: onCellEdit Global:

Field name: Course fee (T)

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

Messages:

```

1 function onCellEdit(glideObject, table, oldValues, newValue, callback) {
2     var confirmUpdate = 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

Course Masters Number Search

All COUR0001058 Paid

dev188054.service-now.com says
Are You shoure you want to update Course fee...?

OK Cancel

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

Servicenow All Favorites History Workspaces Admin Client Script - Course Master Oncelledit (Course Name)

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.

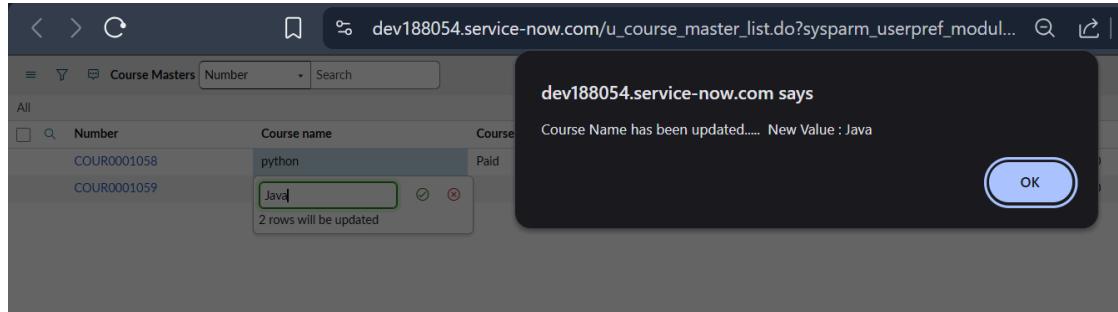
Messages:

```

1 function onCellEdit(glideObject, 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:



♦ 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

Description:

Messages:

```

function onSubmit() {
    //Type appropriate comment here, and begin script below
    var courseName = g_form.getValue('u_course_name');
    if (!courseName) {
        g_form.showFieldMsg('u_course_name', 'Course Name Cannot be Empty.', 'error');
        return false;
    }
    var courseFee = g_form.getValue('u_course_fee');
    if (courseType == 'Paid' && !courseFee) {
        g_form.showFieldMsg('u_course_fee', 'Please Enter course fee for a Paid Course', 'error');
        return false;
    }
    return true;
}

```

Isolate script:

course Details before Saving

Course State	Scheduled
Certification	Yes
Course Type	Paid
Course fee (₹)	<input type="text"/>
Please Enter course fee for a Paid Course	
Course Duration	Days 0 Hours 01 00 00
Language	-- None --
Mode Of Course	Online
<input type="text"/>	
<input type="text"/>	

Number	COUR0001059
Course Id	<input type="text"/>
Course name	<input type="text"/>
Course Name Cannot be Empty.	
Course Name Cannot be Empty.	
* Course Publisher	Alejandra Prenatt <input type="button" value="🔍"/> <input type="button" value="ℹ"/>
Category	-- None --
Sub category	-- None --
Short Description	<input type="text"/>
Description	<input type="text"/>

◆ 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

servicenow All Favorites History Workspaces Admin Client Script - Library Onload

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_management]
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 }
```

♦ 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

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 Client Script configuration interface. The top navigation bar includes 'servicenow', 'All', 'Favorites', 'History', 'Workspaces', and 'Admin'. The current page title is 'Client Script - Library Onchange (Return Date)'. The main configuration area has the following fields:

- Name:** Library Onchange (Return Date)
- Table:** Library Management [u_library_management]
- UI Type:** All
- Type:** onChange
- Field name:** Return Date
- Application:** Global
- Active:** checked
- Inherited:** unchecked
- Global:** checked
- Description:** 4.When Return Date is selected, calculate and display a Fine if overdue.
- Script:**

```

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

```
- Isolate script:** checked

Below the configuration, a preview of the 'Library Management' form is shown. It displays a record for 'LIB0001037' with the following values:

Number	LIB0001037	Book Status	Lost
User Category	-- None --	Issued Date	2025-12-10 12:16:36
User Name		Return Date	2025-12-31 12:16:44
Book Name		* Fine (₹)	70
Book Category	-- None --		
Short Description			
Description			

A 'Submit' button is at the bottom of the form preview.

♦ 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.

The screenshot shows the ServiceNow Client Script configuration interface. The top navigation bar includes 'All', 'Favorites', 'History', 'Workspaces', and 'Admin'. The title bar says 'Client Script - Library OnCellEdit(Alert)'. The main form fields are:

- Name:** Library OnCellEdit(Alert)
- Table:** Library Management [u_library_management...]
- UI Type:** All
- Type:** onCellEdit
- Field name:** -- None --
- Description:** 5.Show an alert when library records are updated using list edit.
- Script:**

```

1 function onCellEdit(sysIds, 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:**

Buttons at the bottom include 'Update' and '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

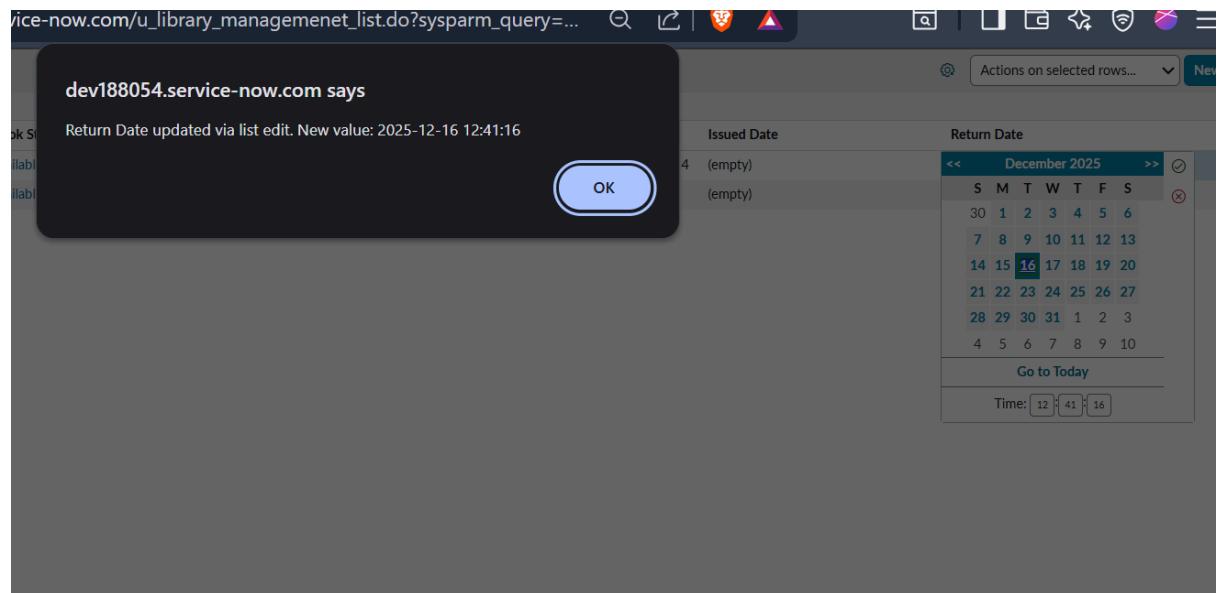
The screenshot shows the ServiceNow Client Script configuration interface. The top navigation bar includes 'All', 'Favorites', 'History', 'Workspaces', and 'Admin'. The title bar says 'Client Script - Library OnCellEdit'. The main form fields are:

- Name:** Library OnCellEdit
- Table:** Library Management [u_library_management...]
- UI Type:** All
- Type:** onCellEdit
- Field name:** Return Date
- Description:** 5.Show an alert when library records are updated using list edit.
- Script:**

```

1 function onCellEdit(sysIds, 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:**

Buttons at the bottom include 'Update' and '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

Client Script - Library Onsubmit

Description: 7.Do not allow submission if Return Date is earlier than Issue Date.
8.Prevent saving if Book Name is empty.

Script:

```

1 function onSubmit() {
2
3     var issue = g_form.getValue('u_issued_date');
4     var ret = g_form.getValue('u_return_date');
5
6     if (issue && ret && new Date(ret) < new Date(issue)) {
7         alert('Return Date cannot be earlier than Issue Date.');
8         return false;
9     }
10
11    if (!g_form.getValue('u_book_name')) {
12        alert('Book Name cannot be empty.');
13        return false;
14    }
15
16    return true;
17 }

```

