

05 Client-side Scripting

Exercises

NOTE! You must already have forked the NeedIt Application and created the ClientScriptModule branch from your previous exercise.

Lab 1: Create a client script when loading a page, a welcome message with the current user's name will appear

Specifications for Laboratory #1

1. Client Script Name : **NeedIt Welcome User.**
2. When the loading page, a message box which says “Welcome! [FullName]!” is displayed at the top of the page.

REFER TO THE IMAGE BELOW

The screenshot displays the 'NeedIt - Create NI002010' page. At the top, a navigation bar includes 'All', 'Favorites', 'History', and 'Workspaces'. A search bar is located on the right. Below the navigation bar, a light blue banner displays the message 'Welcome! System Administrator!'. The main form area contains several fields: 'Number' (NI002010), 'Priority' (4 - Low), 'Requested for' (System Administrator), 'Request type' (Legal), 'What needed' (Legal 1), 'When needed' (empty), 'Short description' (empty), and 'Description' (empty). A 'Submit' button is visible in the top right corner.

Lab 2: client script to set the What needed choice list values based on the value in the Request type field

Specifications for laboratory #2

1. Client Script Name : **NeedIt Request Type Options**
2. Clear all the choices from the what needed field choice list
3. Request Type : Human Resources
 1. What Needed choice list:
 1. Human Resources 1
 2. Facilities 2
 3. Other
4. Request Type : Facilities
 1. What Needed choice list:
 1. Facilities 1
 2. Facilities 2
 3. Other

Lab 2: client script to set the What needed choice list values based on the value in the Request type field

Specifications for laboratory #2

5. Request Type : Legal

1. What Needed choice list:

1. Legal 1
2. Legal 2
3. Other

6. If the form is loading and it is not a new record, set the **What Needed** field to the value from the record before it was loaded. So that the new **What Needed** field choices would be correct even if the value in the request type field was set on form to the default value.

Lab 2: client script to set the What needed choice list values based on the value in the Request type field

Refer to the images below for the expected output

This screenshot shows a request form with the following fields and values:

- Number: NI002010
- Priority: 4 - Low
- Requested for: System Administrator
- State: Requested
- Request type: Human Resources
- What needed: Human Resources 1 (selected from a dropdown menu)
- When needed: Human Resources 1, Human Resources 2, Other
- Short description: (empty)
- Description: (empty)

This screenshot shows the same request form with different selections:

- Number: NI002010
- Priority: 4 - Low
- Requested for: System Administrator
- State: Requested
- Request type: Facilities
- What needed: Facilities 1 (selected from a dropdown menu)
- When needed: Facilities 1, Facilities 2, Other
- Short description: (empty)
- Description: (empty)

Lab 2: client script to set the What needed choice list values based on the value in the Request type field

Refer to the images below for the expected output

The screenshot displays a web form for creating a request. The form includes the following fields and controls:

- Number:** A text input field containing the value "NI002010".
- Priority:** A dropdown menu set to "4 - Low".
- Requested for:** A text input field containing "System Administrator", accompanied by a search icon and an information icon.
- State:** A dropdown menu set to "Requested".
- * Request type:** A dropdown menu with "Legal" selected.
- * What needed:** A dropdown menu with "Legal 1" selected. The dropdown list is open, showing three options: "Legal 1" (highlighted in yellow), "Legal 2" (highlighted in yellow), and "Other" (highlighted in blue).
- * When needed:** A dropdown menu with "Legal 2" selected.
- Short description:** A text input field with a lightbulb icon and a save icon to its right.
- Description:** A larger text input field below the short description.

Lab 3: Set the Requested for value to the currently logged in user

Specifications for laboratory #3

1. Client Script Name: **NeedIt Set Request for**
2. Set the **Requested for** field value to the currently logged in user only if it is a new record.
Refer to the image below for the expected output.

The screenshot shows a web application interface for creating a new record in a system called 'NeedIt'. The browser's address bar shows the URL 'NeedIt - Create NI002011'. The page has a dark header with navigation links: 'All', 'Favorites', 'History', and 'Workspaces'. A search bar is also present. Below the header, there's a light blue banner with a welcome message: 'Welcome! Fred Luddy!'. The main form area contains several fields:

- Number:** A text field containing 'NI002011'.
- Requested for:** A text field containing 'Fred Luddy'.
- Request type:** A dropdown menu with 'Legal' selected.
- What needed:** A dropdown menu with 'Legal 1' selected.
- When needed:** A date picker field.
- Priority:** A dropdown menu with '4 - Low' selected.
- State:** A dropdown menu with 'Requested' selected.
- Short description:** A text field.
- Description:** A larger text area.

There are also icons for search, help, and other actions next to the 'Requested for' field. A 'Submit' button is located in the top right corner of the form area.

Lab 4: When the Request type is changed, a popup message showing the old value and the new value to the field

Specifications for laboratory #4

1. Client Script Name: **NeedIt Request Type Changed**
2. When loading the page, a message box which says “Request Type changed from [oldValue] to [newValue]” is displayed at the top of the page.

Refer to the image below for the expected output.

The screenshot displays a web form titled 'NeedIt New record'. A blue message box at the top states: 'Request Type changed from legal to hr'. The form fields are as follows:

- Number:** NI002011
- Requested for:** Fred Luddy
- Request type:** Human Resources (highlighted in yellow)
- What needed:** Human Resources 1
- When needed:** (empty field)
- Priority:** 4 - Low
- State:** Requested
- Short description:** (empty field)
- Description:** (empty text area)

Navigation icons (back, forward, search, etc.) are visible next to several fields.

Lab 4: When the Request type is changed, a popup message showing the old value and the new value to the field

Refer to the image below for the expected output.

Record

Request Type changed from legal to hr

Request Type changed from legal to facilities

Number

NI002011

Priority

4 - Low

* Requested for

Fred Luddy

State

Requested

* Request type

Facilities

* What needed

Facilities 1

* When needed

Short description

Description

Lab 5: Create a UI Policy When State is changed to closed complete, set fields to read only

Specifications for laboratory #5

1. Short Description: When state is changed to closed complete, set fields to read only.
2. Set the **Request Type** and **What Needed** fields to read only when **State** is changed to Closed Complete.
3. When Changing the **State** to anything else other than closed complete DON'T set it to read only.

Refer to the image below for the expected output.

The screenshot shows the 'NeedIt' application interface for a request with ID 'NI002002'. The top navigation bar includes 'All', 'Favorites', 'History', and 'Workspaces'. The main header shows 'NeedIt - NI002002' with a search bar and an 'Update' button. A blue notification bar at the top says 'Welcome! System Administrator!'. The form contains the following fields:

- Number:** NI002002
- Requested for:** Fred Luddy
- Request type:** Facilities
- What needed:** Facilities 2
- When needed:** 2017-08-18 14:48:26
- Priority:** 4 - Low
- State:** Closed Complete
- Short description:** BOOM!
- Description:** (empty text area)

The 'Request type', 'What needed', and 'When needed' fields are highlighted in yellow, indicating they are read-only. The 'State' dropdown is also highlighted in yellow, indicating it is the active field for the policy.

Refer to the image below for the expected output.

edit

1002002

Update

! System Administrator!

Number

NI002002

Priority

4 - Low

* Requested for

Fred Luddy

* Request type

Facilities

* What needed

Facilities 2

* When needed

2017-08-18 14:48:26

Short description

BOOM!

Description