ServiceNow Application Developer

Client-side Scripting > Exercise: Test Client Script Types

In this exercise you will test the onLoad, onChange, and onSubmit Client Script types using pre-built Client Scripts from the GitHub repository you forked.

Preparation

1. If the *NeedIt* application is not open in Studio from the last exercise, open it now.

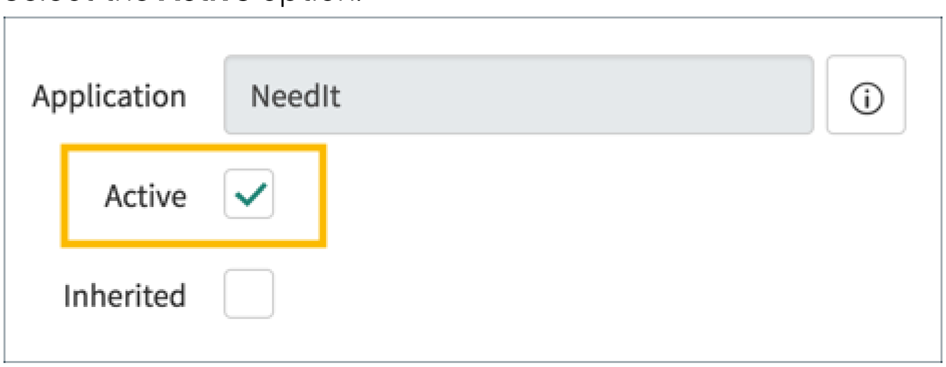
   a. In the main ServiceNow browser window use the Application Navigator to open **System Applications > Studio**.

   b. In the *Select Application* dialog, click the **NeedIt** application.

2. Make the *NeedIt onLoad Example* Client Script active.

   a. In Studio, use the Application Explorer to open **Client Development > Client Scripts > NeedIt onLoad Example**.

   b. Select the **Active** option.

   c. Examine the configuration to see which table the script is for.

3. Examine the *Script* field to determine what the script does.
4. Click the **Update** button.
5. Using the same strategy, make the **NeedIt onSubmit Example** and the **NeedIt onChange Example** Client Scripts active. For the onChange Client Script, make a note of the value in the *Field name* field.

Testing the Client Scripts

1. In the main ServiceNow browser window (not Studio) use the Application Navigator to open **NeedIt > All**.
2. Test the *NeedIt onLoad Example* Client Script.
3. Open the *NeedIt* record of your choice for editing.
4. Does an alert appear? If not, make sure you made the *NeedIt onLoad Example Client Script* active and saved the change.
5. With the alert still open, try to modify a field value on the form. You should not be able to modify the form until the *NeedIt onLoad Example* script finishes execution. onLoad Client scripts with alerts prevent control of the form from being given to the user until the alert is closed.
6. Click the **OK** button to close the alert.
7. Test the *NeedIt onChange Example* Client Script.
8. Edit any field on the form *except* the *Short description* field.
9. No alert should appear.
10. Edit the value in the *Short description* field then click on the form outside of the field.
11. An alert should appear showing the *oldValue* and the *newValue*. If no alert appears, make sure you made the *NeedIt onChange Example* Client Script active and saved the change.
12. Click the **OK** button to close the alert.

13. Edit the *Short description* field again then click outside of the field.

14. In the **alert**, notice that *oldValue* has not changed.

15. Click the **OK** button to close the alert.

16. Test the *NeedIt onSubmit Example* Client Script.

17. Click the **Update** button on the form header.

18. Does the alert appear? If not, make sure you made the *NeedIt onSubmit Example* Client Script active and saved the change.

19. Click the **OK** button to close the alert.

20. Return to Studio and make the Client Scripts inactive:

    - *NeedIt onLoad Example*
    - *NeedIt onChange Example*
    - *NeedIt onSubmit Example*