

Lab 4 – Auto Logout Idle Form Users

Overview

Qdabra's Autologout XTP offers a way to auto logout inactive users and auto-save form changes to prevent data loss. You can specify the amount of time the form should check if the user is inactive. If the user is detected as inactive, it will show a prompt informing the user that the session will expire in X seconds. If the button has not been clicked during the specified period of time, the form will automatically save and the current session will be terminated.

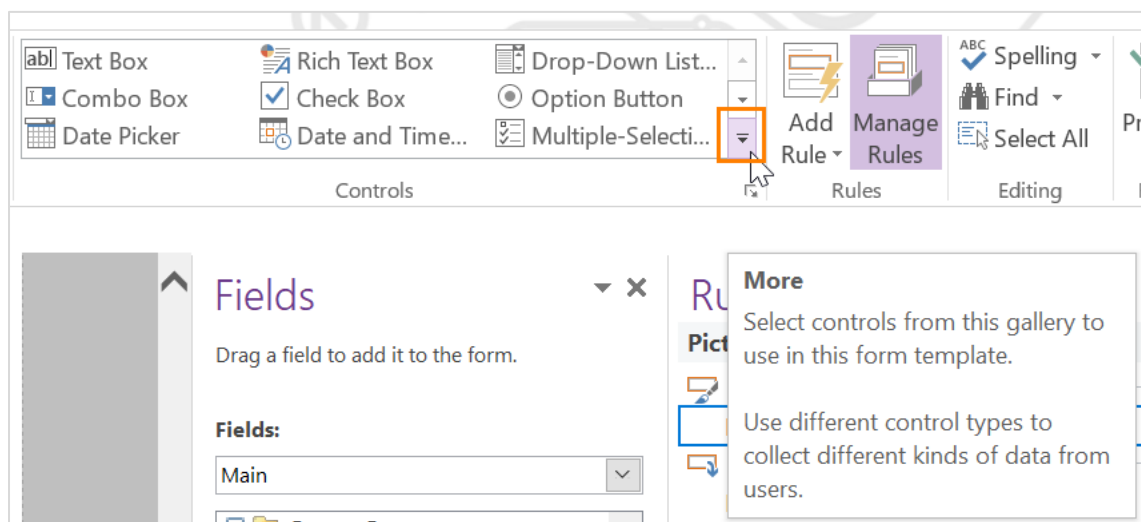
In this lab, we're going to guide you on how to implement this cool feature to the Expense Report Form.

Before you start

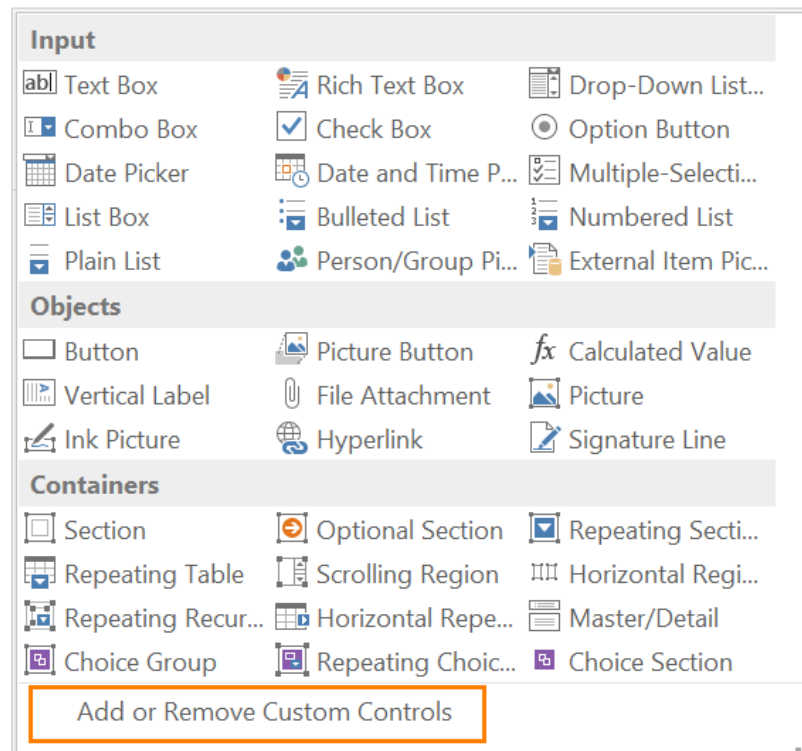
This lab assumes that you have finished the previous labs in this training. Use the Start form provided in this lab.

Add the XTP as a Custom Control

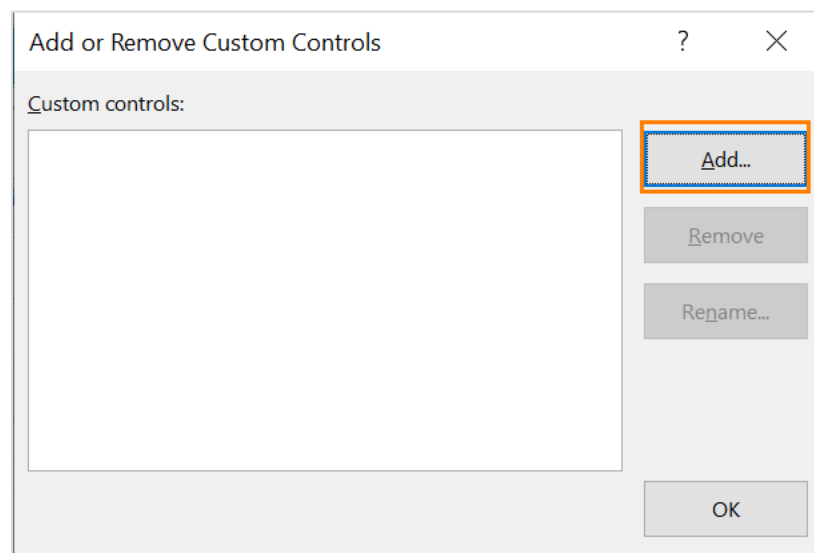
1. Open the starter form of this lab in InfoPath Designer
2. Click the arrow down button in the Controls section



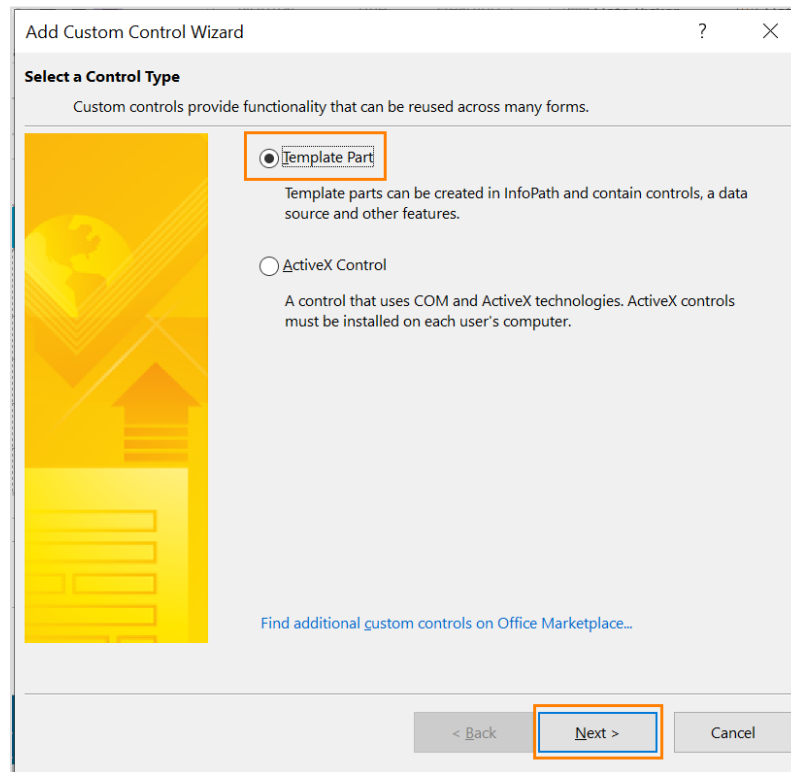
3. Click **Add or Remove Custom Controls**



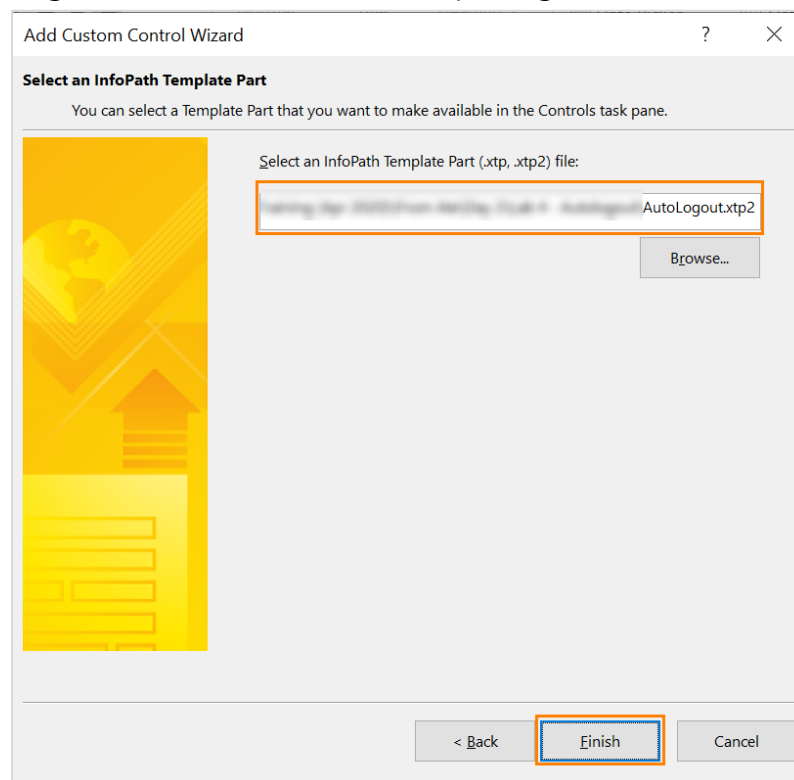
4. Click **Add**



5. Select the default option – **Template Part**. Click **Next**



6. Browse for the Autologout XTP included in the lab package. Click **Finish**



- Once all the windows are closed, point your cursor in the bottom-most part of the form canvas, just right below the last section. This is where we would want to insert the XTP section.

EXPENSE ITEMS					FROM:	TO:
CATEGORY *	DATE *	DESCRIPTO N	MERCHANT	RECEIPT	AMOUNT *	
Select... v				Attach file		
					SUBTOTAL	
					LESS CASH ADVANCE	\$0.00
					TOTAL	

Repeating Table

Section

Section

Section

Submit

Solution Version:
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- Select the AutoLogout custom control in the Controls section

Input

- Text Box
- Rich Text Box
- Drop-Down List...
- Combo Box
- Check Box
- Option Button
- Date Picker
- Date and Time P...
- Multiple-Selecti...
- List Box
- Bulleted List
- Numbered List
- Plain List
- Person/Group Pi...
- External Item Pic...

Objects

- Button
- Picture Button
- Calculated Value
- Vertical Label
- File Attachment
- Picture
- Ink Picture
- Hyperlink
- Signature Line

Containers

- Section
- Optional Section
- Repeating Secti...
- Repeating Table
- Scrolling Region
- Horizontal Regi...
- Repeating Recur...
- Horizontal Repe...
- Master/Detail
- Choice Group
- Repeating Choic...
- Choice Section

Custom

- AutoLogout**

Add or Remove Custom Controls

This will add the XTP section with instructions in the form canvas:

EXPENSE ITEMS					FROM:	TO:
CATEGORY *	DATE *	DESCRIPTION	MERCHANT	RECEIPT	AMOUNT *	
Select... v				Attach file		
				SUBTOTAL		
				LESS CASH ADVANCE	\$0.00	
				TOTAL		

Repeating Table

Section

Section

Submit

Section

Usage:

1. Inject qRules in your form if you haven't done so.
2. Add a rule in your QdabraRules/@finishedLoading node to load the AutoLogout files and rules when your form opens.
Note: Carefully consider where to place this rule. Depending on your form logic, this rule might need to run after all necessary checks are done.

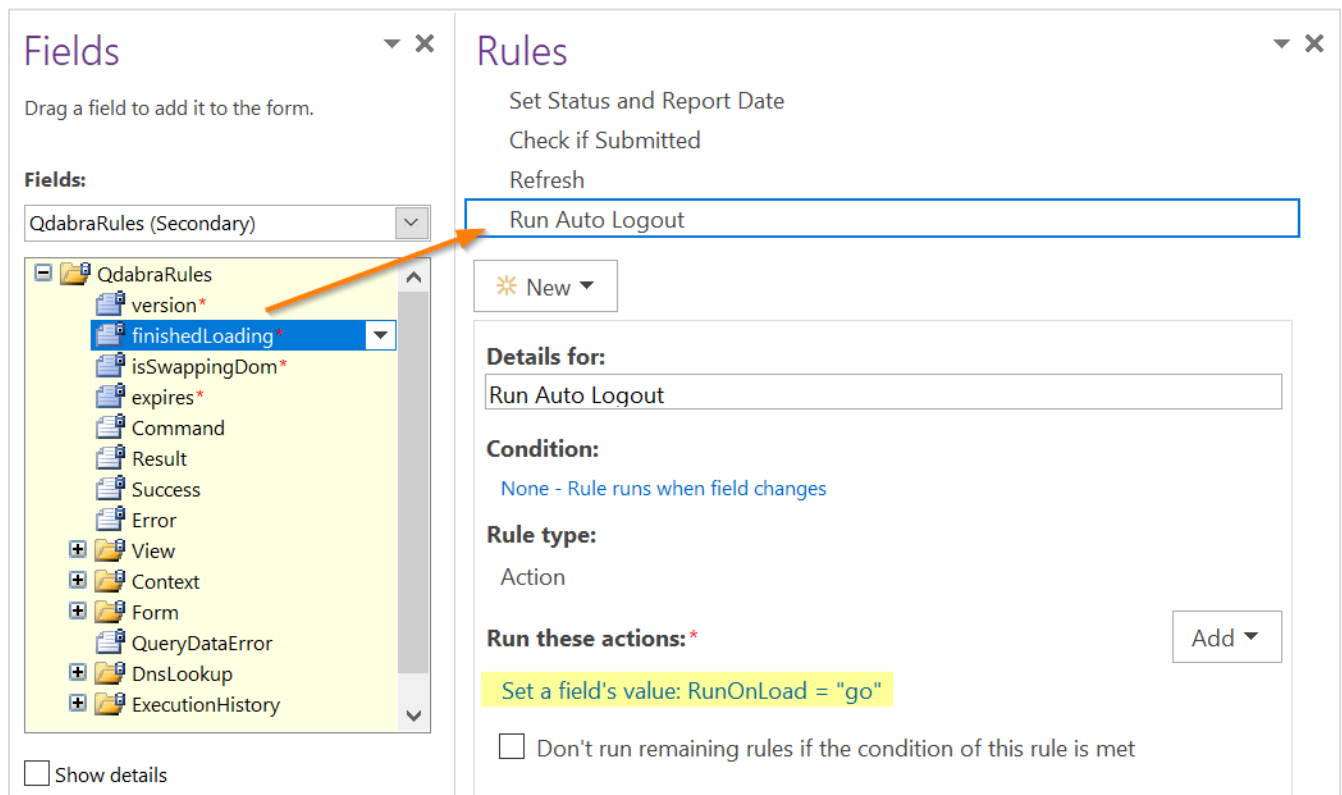
- Set the field named RunOnLoad in the XtpLogic_AutoLogout data source > XtpLogic > Actions to the value "go".

3. Modify the rule named 'Set qRules Fields (Edit)' located in the

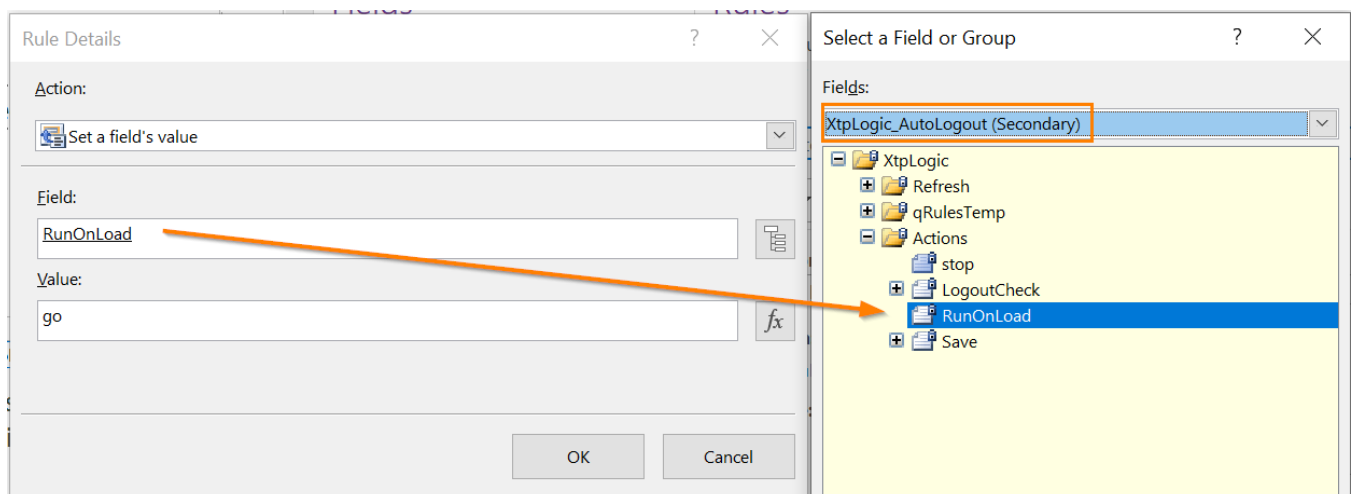
AutoLogout

Configure the XTP

1. Add a rule in the QdabraRules finishedLoading node to load the AutoLogout files and rules when your form opens. To do this, set the **RunOnLoad** node to the value **go**.



The RunOnLoad node is in the XtpLogic_AutoLogout data source. Here's the full xpath: /XtpLogic/Actions/RunOnLoad



- In the tempCommand node (xpath: /XtpLogic/qRulesTemp/tempCommand), modify the two actions under the rule named **Set qRules Fields (Edit)**:

Fields

Drag a field to add it to the form.

Fields:

XtpLogic_AutoLogout (Secondary)

XtpLogic

Refresh
qRulesTemp
tempCommand
tempResult
Actions
stop
LogoutCheck
RunOnLoad
Save

☐ Show details

Actions

Add Field

Rules

Set qRules Fields (Edit)
Reset Self

New

Details for:

Set qRules Fields (Edit)

Condition:

None - Rule runs when field changes

Rule type:

Action

Run these actions: *

Add

Set a field's value: @stop = .

Set a field's value: tempResult = "[Your QdabraRules Result node]"

☐ Don't run remaining rules if the condition of this rule is met

- First action: change the @stop field being set to point to QdabraRules Command node instead.

Rule Details

Action:

Set a field's value

Field:

Command

Value:

.

OK Cancel

Select a Field or Group

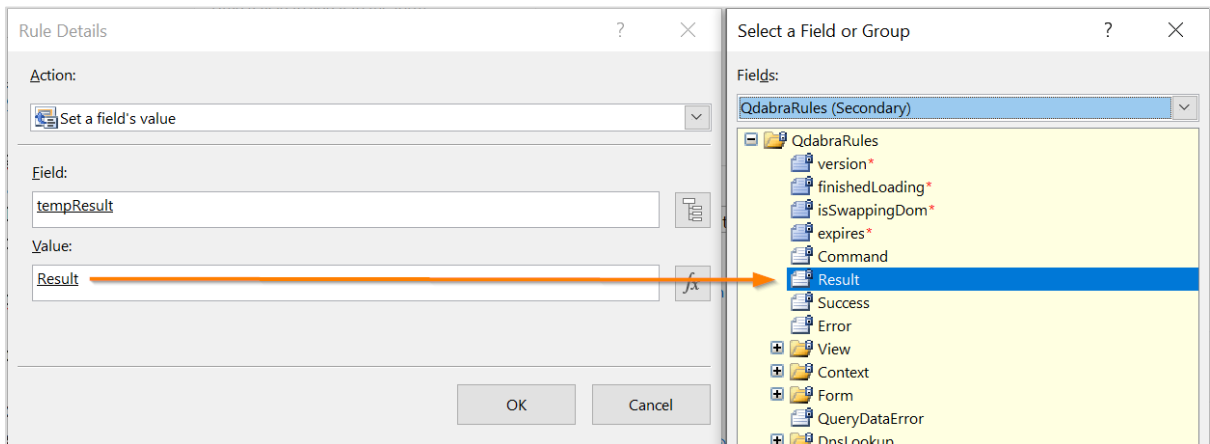
Fields:

QdabraRules (Secondary)

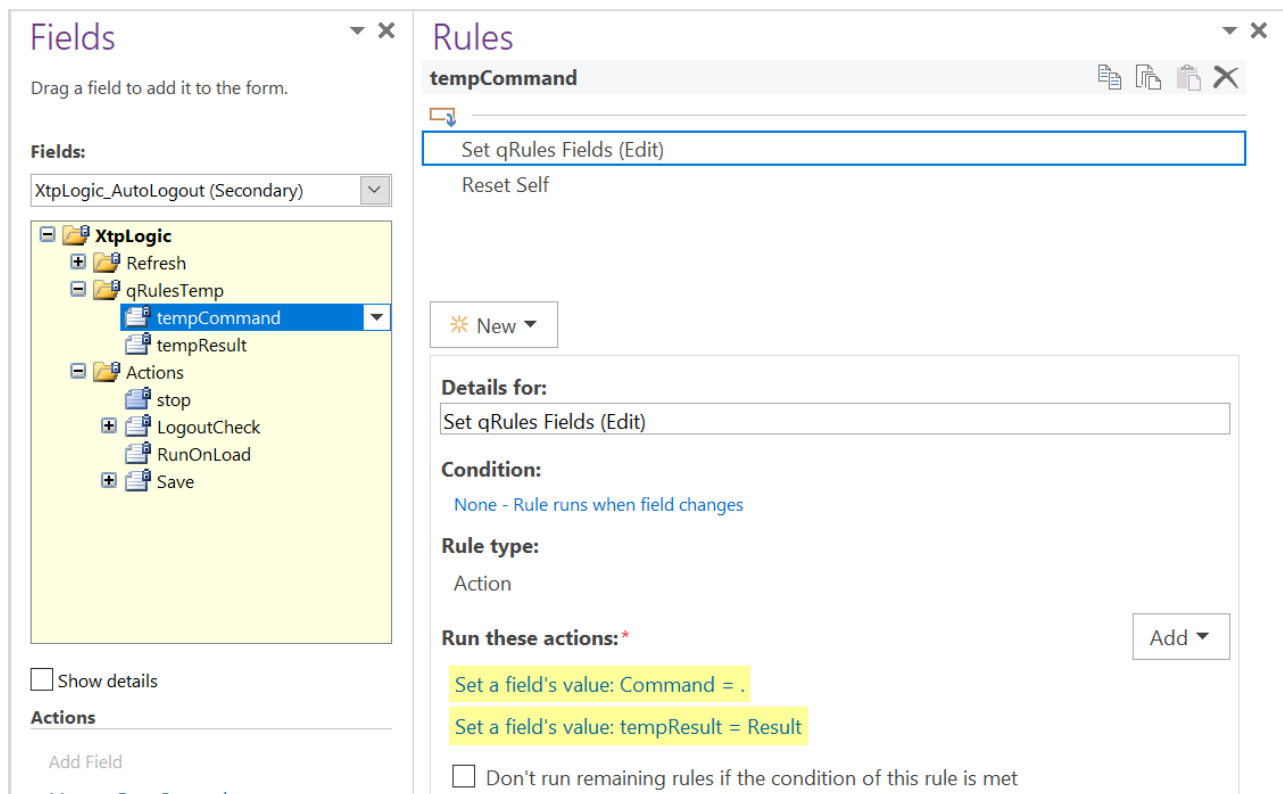
QdabraRules

version*
finishedLoading*
isSwappingDom*
expires*
Command
Result
Success
Error
View
Context
Form
QueryDataError
DnsLookup

- Second action: change the value to set to point to QdabraRules Result node.



Here's how the actions should look like:



3. In the Save node, disable the **Set FormName and Submit to Library (Edit)** rule since the Expense Report Form already has its own centralized submit logic.

Fields

Drag a field to add it to the form.

Fields:

XtpLogic_AutoLogout (Secondary) ▼

XtpLogic

Refresh

qRulesTemp

tempCommand

tempResult

Actions

stop

LogoutCheck

RunOnLoad

Save

lastSaved

formName

☐ Show details

Actions

Rules

Save

Stop if blank

Reset self

Set FormName and Submit to Library (Edit)

Set Last Saved DateTime

New ▼

Details for:

Set FormName and Submit to Library (Edit)

Condition:

None - Rule runs when field changes

Rule type:

Action

Run these actions: *

Set a field's value: @formName = ""

☐ Don't run remaining rules if the condition of this rule is met

Add ▼

- Add a new rule that sets the Submit node to **go**. The Submit node is in FormLogic > /FormLogic/Actions/Submit

The screenshot displays the QDABRA software interface with two main panels: 'Fields' and 'Rules'.

Fields Panel:

- Header: Fields
- Instruction: Drag a field to add it to the form.
- Fields list: XtpLogic_AutoLogout (Secondary)
- Tree view:
 - XtpLogic
 - Refresh
 - qRulesTemp
 - Actions
 - stop
 - LogoutCheck
 - RunOnLoad
 - Save (highlighted with an orange arrow)
- Checkbox: ☐ Show details
- Section: Actions
 - Add Field

Rules Panel:

- Header: Rules
- Section: Save
 - Stop if blank
 - Reset self
 - Set FormName and Submit to Library (Edit)
 - Set Last Saved DateTime
 - Submit (highlighted with an orange box)
 - New
- Section: Details for:
 - Submit
- Section: Condition:
 - None - Rule runs when field changes
- Section: Rule type:
 - Action
- Section: Run these actions: *
 - Add
 - Set a field's value: Submit = "go" (highlighted in yellow)
 - ☐ Don't run remaining rules if the condition of this rule is met

5. Delete the XTP section in the form canvas.
6. Save the changes and upload the form to FormsViewer.

Test the form

Open a new Expense Report Form. Enter some values to the form and wait for XX seconds/minutes (depends on the time specified in the XTP rule). Once the specific amount of time is reached, the form will prompt the following message:


Close

EXPENSE REPORT

NAME
Kervi L

REPORT
4/12/2

Your session will expire in 60 seconds.
Any form changes will be saved automatically.

Please click on the button if you are still there.

Continue and Save later

EXPENSE TO:

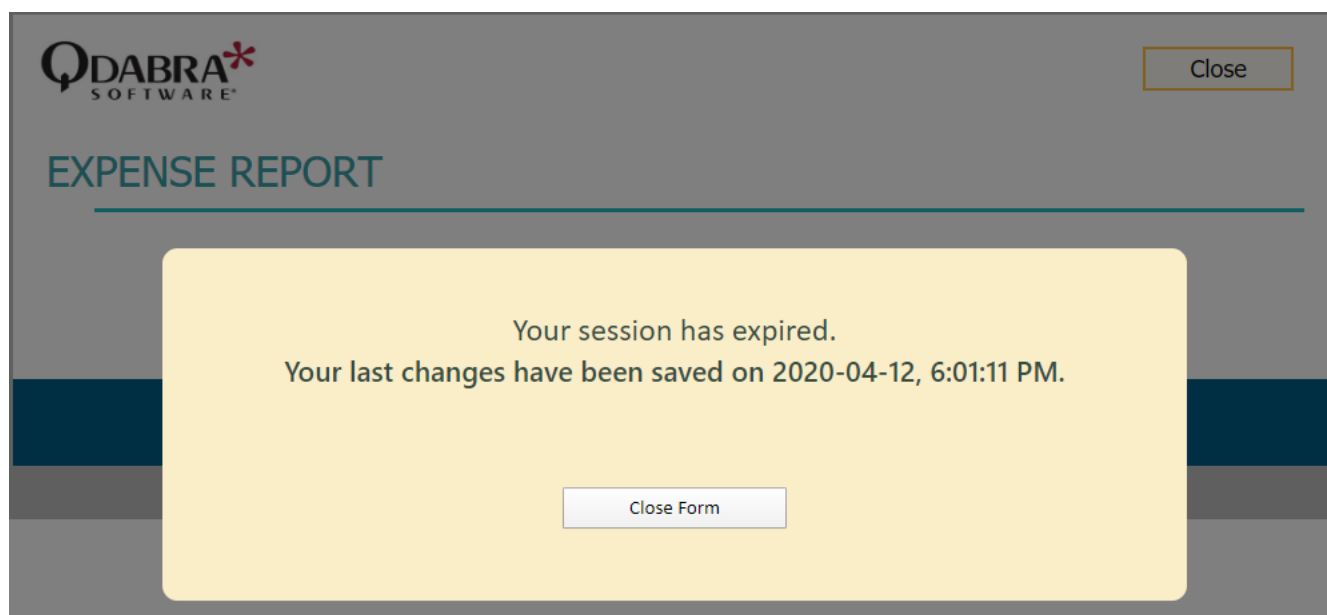
CATEGORY *	DATE *	DESCRIPTION	MERCHANT	RECEIPT	AMOUNT *
Select...				Attach file	
SUBTOTAL					\$0.00
LESS CASH ADVANCE					\$0.00
TOTAL					\$0.00

Insert item

Submit

Solution Version: 1.0.1.1491
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The user can click the **Continue and Save later** button to resume filling out the form within 60 seconds. Otherwise, the form will automatically be saved and the current session will be terminated, i.e. automatically logging out the current user's session, after saving the latest changes. Here's the prompt that will be displayed:



You can specify how long it will take for the form to execute these actions. You can refer to the table below for the specific fields that you can change to customize the timings.

Form Action	XPath	Rule Name	Field	Default Value
Frequency of checks to see if there are form changes	/XtpLogic/Actions/RunOnLoad	Trigger Refresh	@refreshSeconds	15 sec
Allowed idle time	/XtpLogic/Actions/LogoutCheck/@tick	Check for shouldShowPrompt	@shouldShowPrompt	300 sec
Time session will expire after inactivity is detected	/XtpLogic/Actions/LogoutCheck/@tick	Showing prompt - check for shouldLogout	@shouldLogout	60 sec

As a default, the form will check every 15 seconds to see if there are any form changes during the current session. Next, it will check if the form session has been idle for 300 seconds (5 minutes) since the last check. If so, the first prompt will show up. If the **Continue and Save later** button is not clicked within 60 seconds, the form will automatically be saved and log out user.

Congratulations! You have successfully added the Auto Logout XTP to your form.

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