In this lab you will learn how to debug a process and a form.
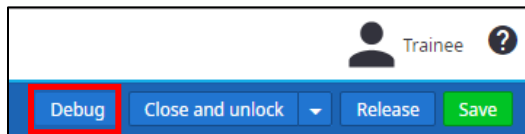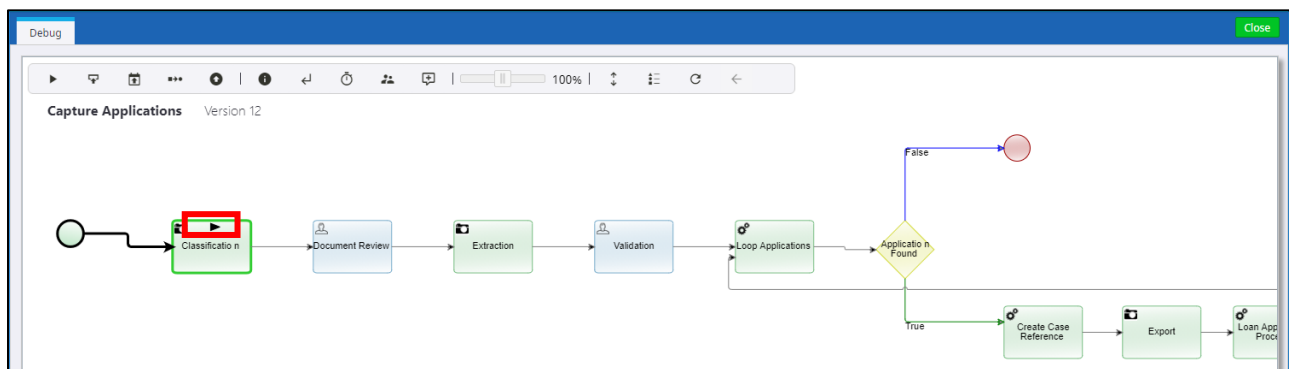
Lab 22-1

Process Debugging

Debug a Process

In this part, you will learn how to debug the capture process.

1. From the **Main** menu navigate to **Workflow** > **Business processes**, and open the **Capture Applications** process.
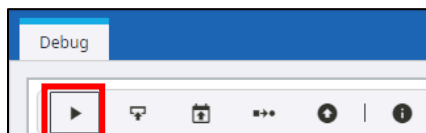
2. From the **Ribbon**, click **Debug**.

   Note: The debug screen opens in a new browser tab.

3. Click **Browse…** and navigate to C:\KTAEssentials\LabFiles\Documents\Test Set\

4. Select the first 2 files and click **Open**.

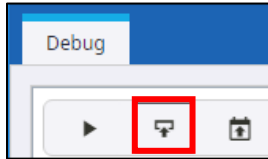5. Click the **Start** button (to start the process).

6. Click the **Next** icon above the activities name.
   Note: The Classification activity is executed and the process moves to Document Review.

7. Click the **Validation** activity, and select **Set breakpoint**.

8. Click the **Go** icon on the **Debug** toolbar.
   Note: This will execute the entire process or until a breakpoint is found.

9. Click the **Classification** activity and select **Restart here** and click **Yes**.

10. Click the **Go** icon on the Debug toolbar.
Note: The process executes but breaks at the breakpoint that was set on the Validation activity.

11. Click the **Show Variables** icon on the **Debug** toolbar.

All Variables		
Name	**Variable Type**	**Value**
Applications Document	Document	347569c4-383c-4840-b514-aa1700fc242d
Applications Folder	Folder	0e4c0b06-d253-4f4c-8938-aa1700fc240b
Case Reference	String	
Document Found	Bool	false
Export Success	Bool	false

12. Close the **Variables** panel by clicking the X.

13. From the **Ribbon**, click **Close**.

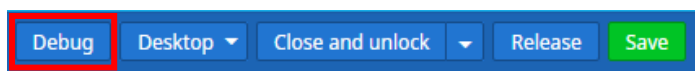14. **Close and unlock** the process.
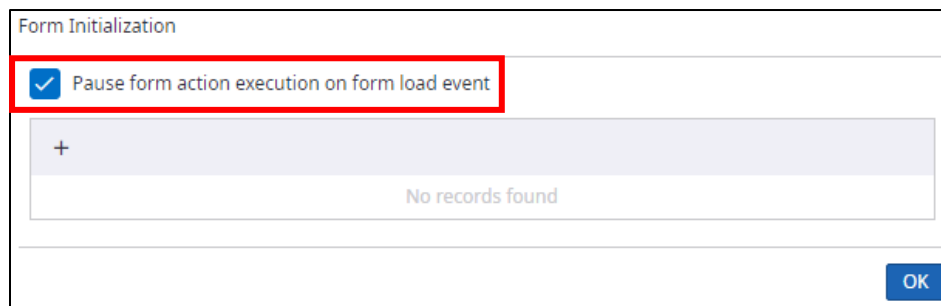
Lab 22-2

Form Debugging

Debug a Form

In this part, you will learn how to debug the loan application create new job form.

1. From the **Main** menu navigate to **User interface** > **Forms** and open the **LA_CreateNewLoanApplication** form.
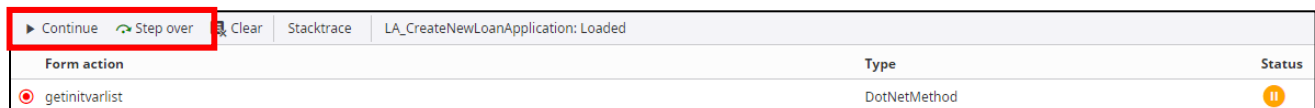
2. From the **Ribbon**, click **Debug**.

| Debug | Desktop ▾ | Close and unlock | ▾ | Release | Save |

Note: The debug screen opens in a new browser tab.

3. Check **Pause form action execution on form load event** and click **OK**.

Form Initialization

☑ Pause form action execution on form load event

+

No records found

OK

4. Notice that the **getinitvarlist** form action was paused on the form load event.

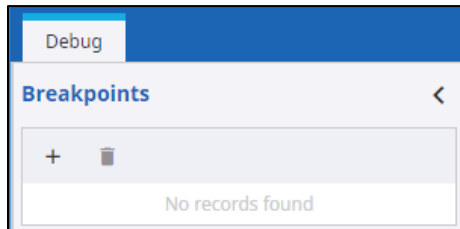| ▶ Continue ↻ Step over Clear Stacktrace LA_CreateNewLoanApplication: Loaded		
Form action	**Type**	**Status**
⦿ getinitvarlist	DotNetMethod	⏸

5. Notice that you can either **Continue** or **Step over** the action. Click **Continue**.

6. The **getinitvarlist** action executes and the form is populated with the default values of the initialization variables in the process.
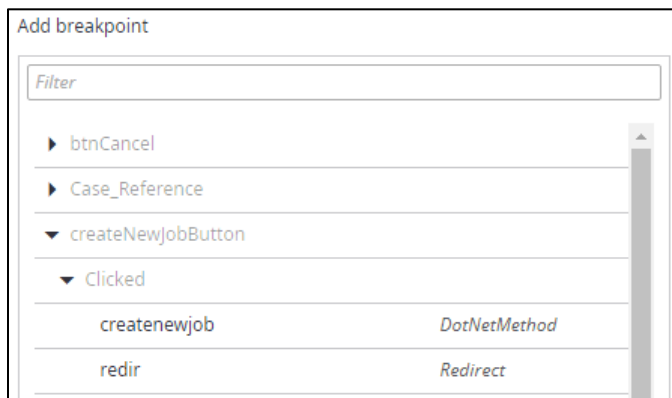
Add a Breakpoint

In this part, you will add a breakpoint when the create case button is clicked. You will add the breakpoint after the creatnew job action and before the redirect action.
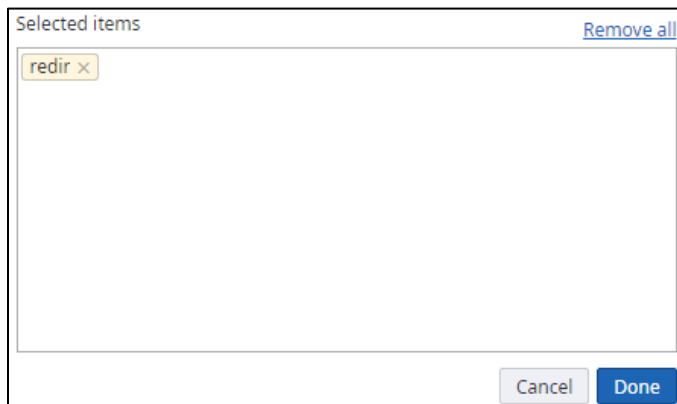
7. In the **Breakpoints** panel, click **Add**.

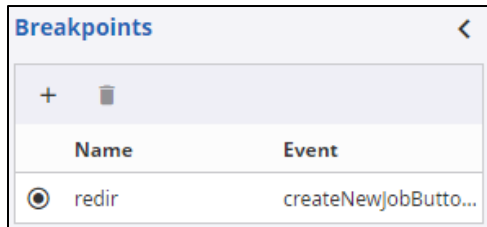8. Expand **createNewJobButton** and expand **Clicked**.

9. Select the **redir** action and click **Done**.

10. The breakpoint is added to the **Breakpoints** panel.

Breakpoints	⟨
+ 🗑	
Name	**Event**
⦿ redir	createNewJobButto...

11. Enter **RD100** in the **Case Reference** field on the form.
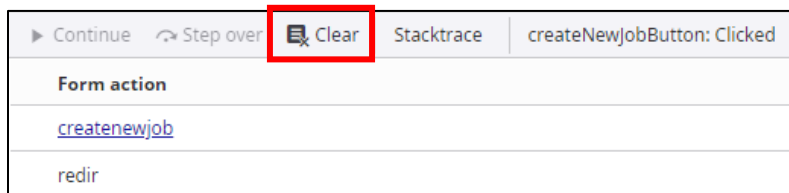
12. Click the **Create Case** button.

13. Notice the **createnewjob** action has executed but the **redir** action has been paused.

▶ Continue ↷ Step over 🗐 Clear	Stacktrace	createNewJobButton: Clicked		
Form action			Type	Status
createnewjob			DotNetMethod	✅
⦿ redir			Redirect	⏸

14. Click **Continue**.

15. Click **Clear** to clear the **Stacktrace**.

▶ Continue ↷ Step over 🗐 Clear	Stacktrace	createNewJobButton: Clicked
Form action		
createnewjob		
redir		

16. From the **Ribbon**, click **Close**.

🖥 Close

17. **Close and unlock** the form.

Debugging Activity Forms

You can debug an activity form at runtime while the activity is pending.

18. First, progress a job until the activity you wish to debug is pending.

19. Open the associated form for the activity in the Designer.

20. Click **Select activity to debug**.

21. Select the relevant live activity and click **Start debugging**.

Activity name	Due date	Process name	Case ref	Job ID	Node ID	EPC
Validation	01/07/2019 14:46:24	Capture Applications		48699FEA9C0111E988FE080027066162	4	0
Validation	01/07/2019 14:48:55	Capture Applications		AC0DE1AF9C0211E988FE080027066162	4	0

22. The form is loaded, and you can set breakpoints and view variable values.

23. **Close** the debug window and **Close and unlock** the form.

Revision Questions

1. If you debug a process and start the process, is a job created in TotalAgility?
   _____

2. If you debug a form and click a create new job button on that form, will a job be created in TotalAgility?
   _____

3. Do you have to open a process or form first before you can click the debug button?
   _____

4. Are debug jobs archived?
   _____

5. Will running Job Clear Down delete debug jobs?
   _____

6. Can you debug a saved process?
   _____

7. What activity type is executed for manual activities in a process running in debug mode?
   _____

8. Can you debug document forms?
   _____

9. Will redirect actions (when executed) redirect to a different form in debug mode?
   _____