

Robotic Process Automation using UiPath



Topic 4- Decisions and Iterations in StudioX



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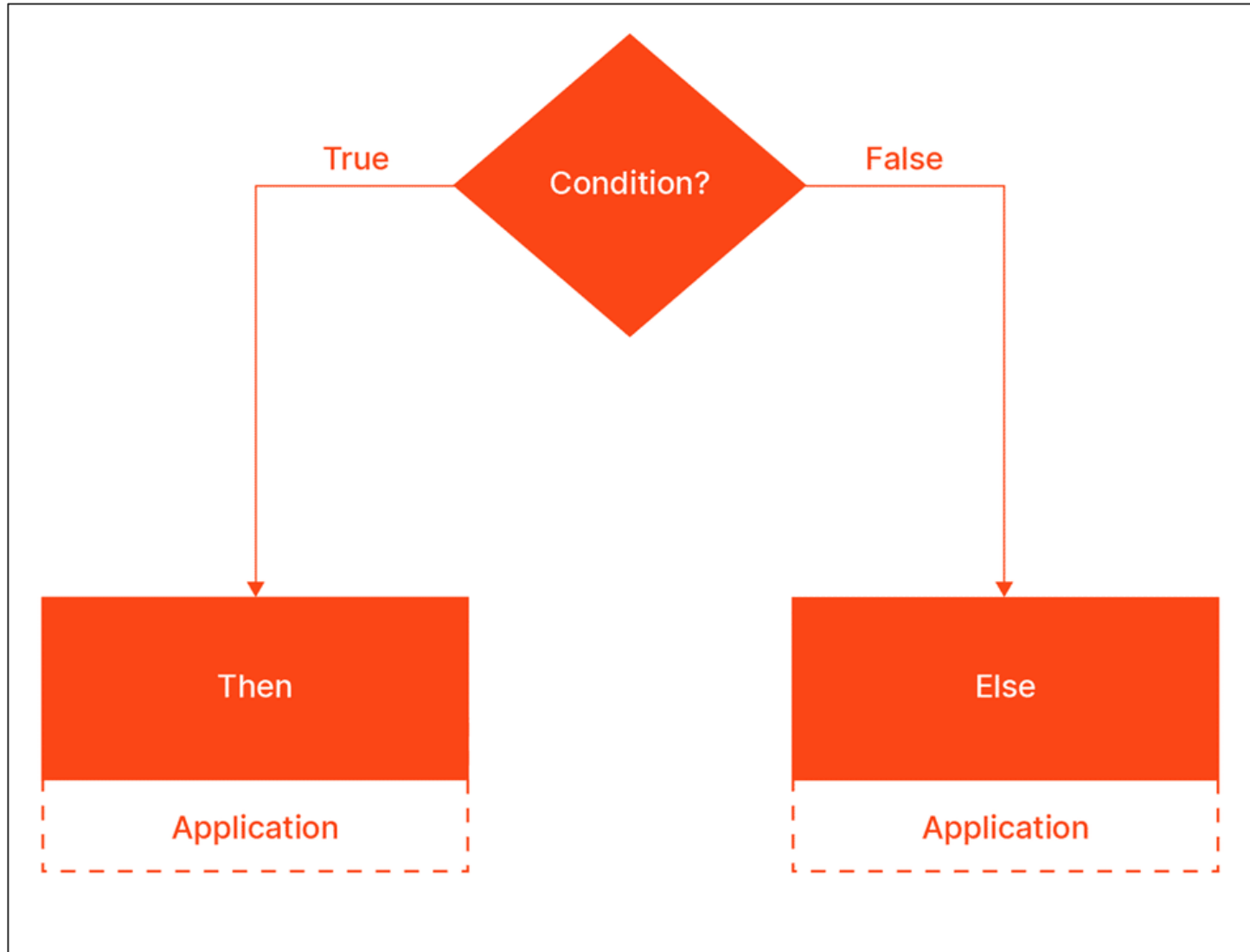
COURSE OBJECTIVES

- Introduction to RPA
- StudioX Citizen Developer Journey and Working with StudioX
- Activity Recording, UI Automation in StudioX
- **Decisions, Iterations, and Scenarios in StudioX**
- File, Folder Automation in StudioX: Microsoft Excel Automation
- Email & SAP Automation in StudioX
- Handle Errors in StudioX

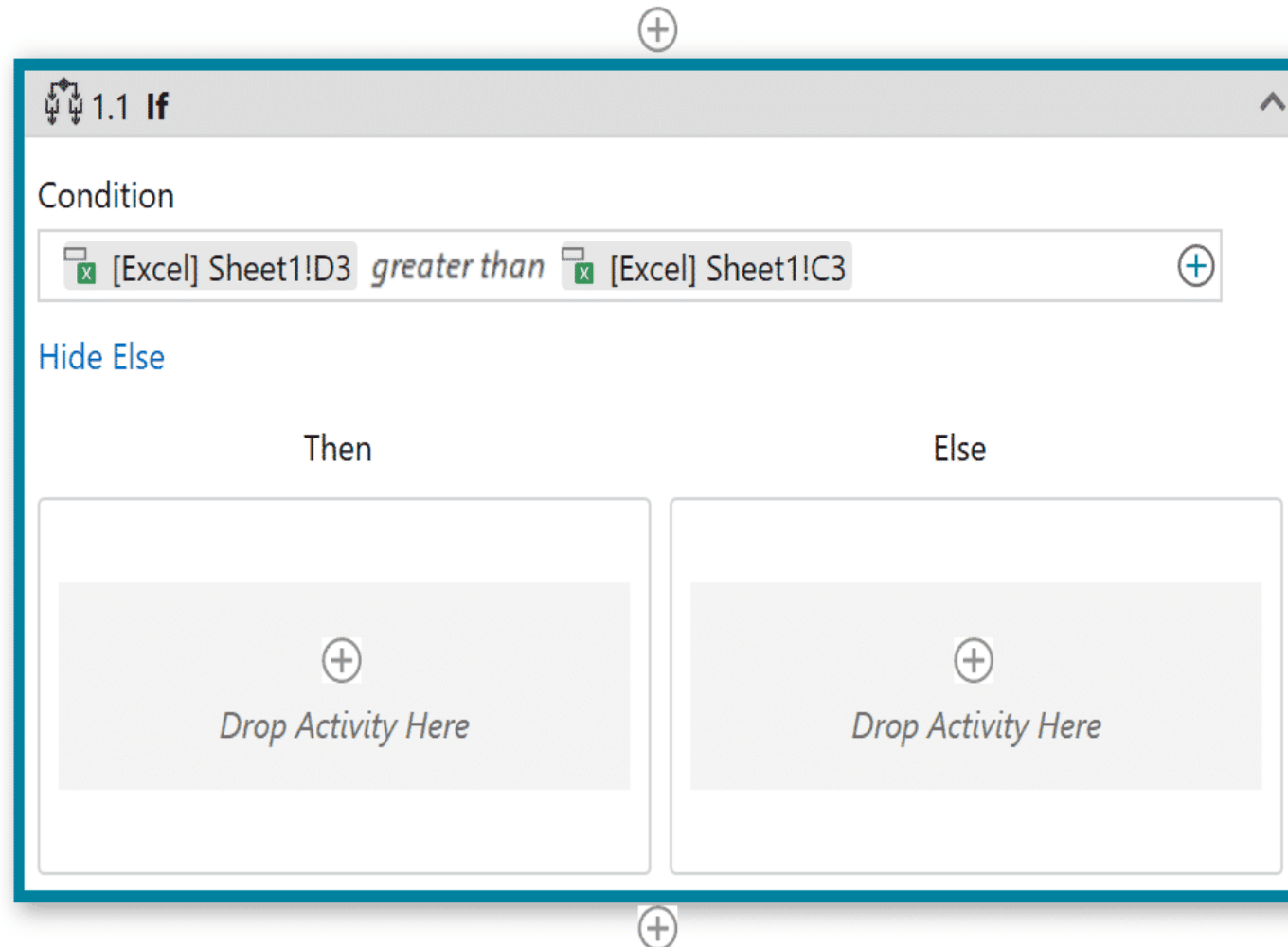
4. Decisions, Iterations in StudioX

- ❑ If-then-else
- ❑ Iteration (for each)

DECISIONS (If-the-else and Switch Activity)



DECISIONS (If-the-else and Switch Activity)



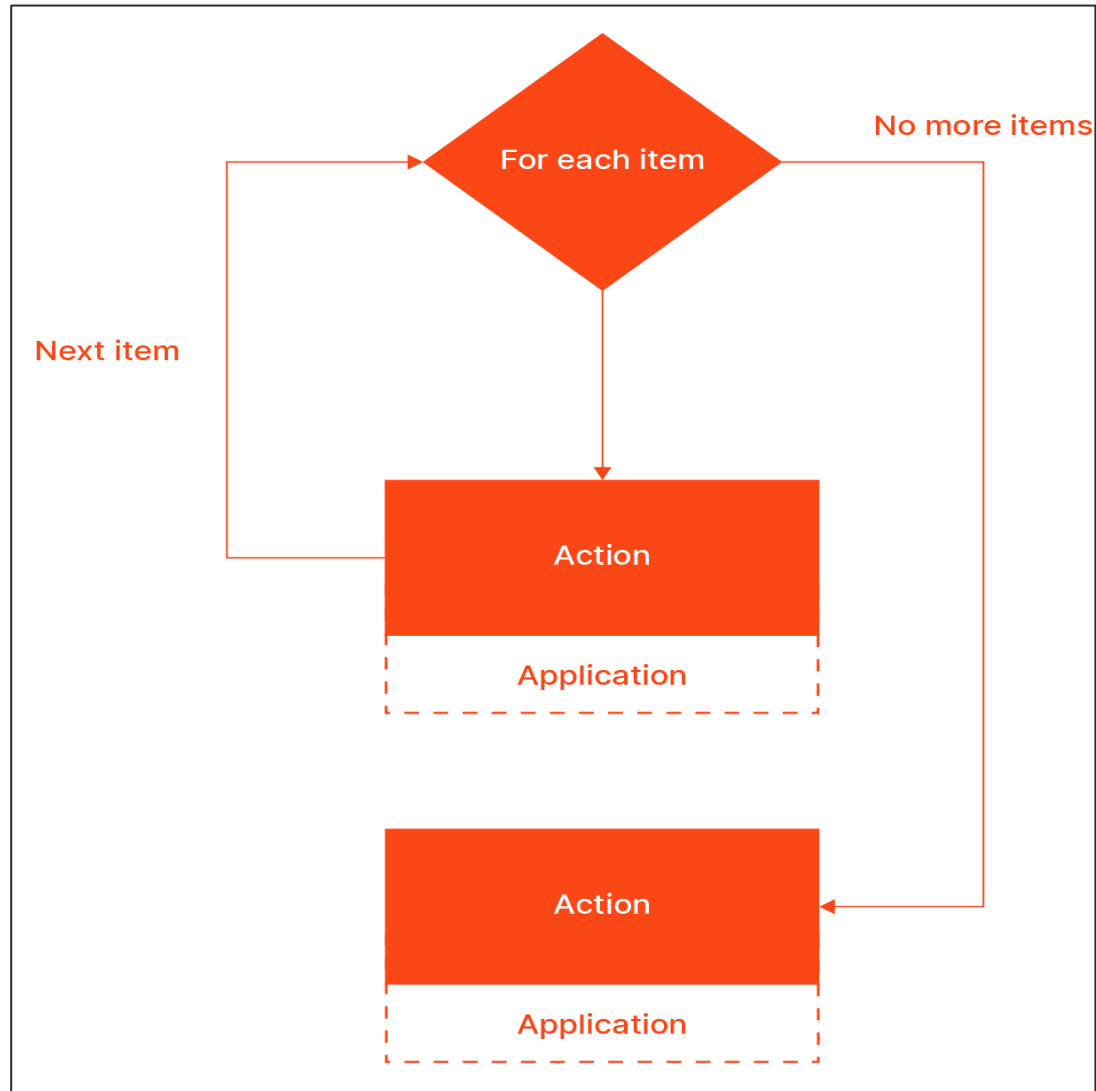
DECISIONS (If-the-else and Switch Activity) (Hands-on)

In this Lab Demonstration we will learn the use of If-Else in an Automation

You will use the following input files and Application to create the automation:

1. **MyExcel-Decision**- all transactions are documented here.
2. **The Double UI app** - this is the transaction processing tool.

ITERATIONS (For Loop, For-each Loop and While Loop)



ITERATIONS (For Loop, For-each Loop and While Loop)

Excel

For Each Excel Row

For Each Excel Sheet

File/Folder

For Each File in Folder

For Each Folder in

Folder

Email

For Each Email

The image shows two panels from a workflow editor. The top panel, titled '1 For Each Excel Row', features an Excel icon, a 'For each' loop with 'CurrentRow2' as the variable, and a 'Select a value' dropdown for 'In range'. It also includes checkboxes for 'Has headers' and 'Save after each row'. The bottom panel, titled '2 For Each Excel Sheet', features an Excel icon, a 'For each' loop with 'CurrentSheet' as the variable, and a 'Select a value' dropdown for 'In workbook' with 'Notes' selected. Both panels have a 'Drop Activity Here' area at the bottom.

The image shows two panels from a workflow editor. The top panel, titled '3 For Each File in Folder', features a folder icon, a 'For each' loop with 'CurrentFile' as the variable, and a 'Select a value' dropdown for 'In folder'. It includes checkboxes for 'Include sub-folders', a 'Filter by (ex: *.xlsx)' field with a 'VB expression' input, and an 'Order by' dropdown set to 'Name ascending first'. The bottom panel, titled '4 For Each Folder in Folder', features a folder icon, a 'For each' loop with 'CurrentFolder' as the variable, and a 'Select a value' dropdown for 'In folder'. It includes checkboxes for 'Include subfolders', a 'Filter by name' field with a 'Select a value' dropdown, and an 'Order by' dropdown set to 'Name ascending first'. Both panels have a 'Drop Activity Here' area at the bottom.

The image shows a panel titled '5 For Each Email' with an email icon. It features a 'For each' loop with 'CurrentMail' as the variable and a 'Select a value' dropdown for 'In emails from'. It includes a 'Limit emails to first' dropdown set to '100', checkboxes for 'Unread mail', 'With attachments only', and 'Include subfolders', and an 'Additional Filters' button. The panel has a 'Drop Activity Here' area at the bottom.

ITERATIONS (For Loop, For-each Loop and While Loop) (Hands-on)

In this Lab Demonstration we will learn the use of Iteration in an Automation

You will use the following input files and Application to create the automation:

1. **MyExcel-Decision**- all transactions are documented here.
2. **The Double UI app** - this is the transaction processing tool.

TOPIC 4
END

THANK YOU