Robotic Process Automation using UiPath

DevelopIntelligence
A PLURALSIGHT COMPANY

Topic 7- Handle Errors 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

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7. HANDLE ERRORS IN STUDIOX

❑ Validate and analyse your project

❑ Troubleshoot your project

❑ Automation best practices

❑ Use UiPath resources

❑ Basics of Error Handling in StudioX

VALIDATE AND ANALYZE Your Project (Hand-On)

Because mistakes are bound to happen, learning to automate your duties can be a frustrating process.Avoiding mistakes won't help you succeed because nobody can prevent them. Instead, acknowledge that mistakes are inevitable and learn from them as you work to resolve them.You will discover how to use the Validate and Analyze tools to check for validation issues in this course.

You will revisit the Unicorn Name exercise, but something is off this time. The project is unworkable.

VALIDATE AND ANALYZE Your Project (Hand-On)

Main takeaways   —

1. **The Validate tool** will find all the activities with validation errors. These are usually incomplete activities. You can easily spot them by the red icon in the upper-right corner. You cannot run or publish a project until all the validation errors are solved.

2. **The Workflow Analyzer** uses the configured rule set to check the project and then logs the found errors in the Error List and Output panels, per the rule action (Error, Warning, Info or Verbose).

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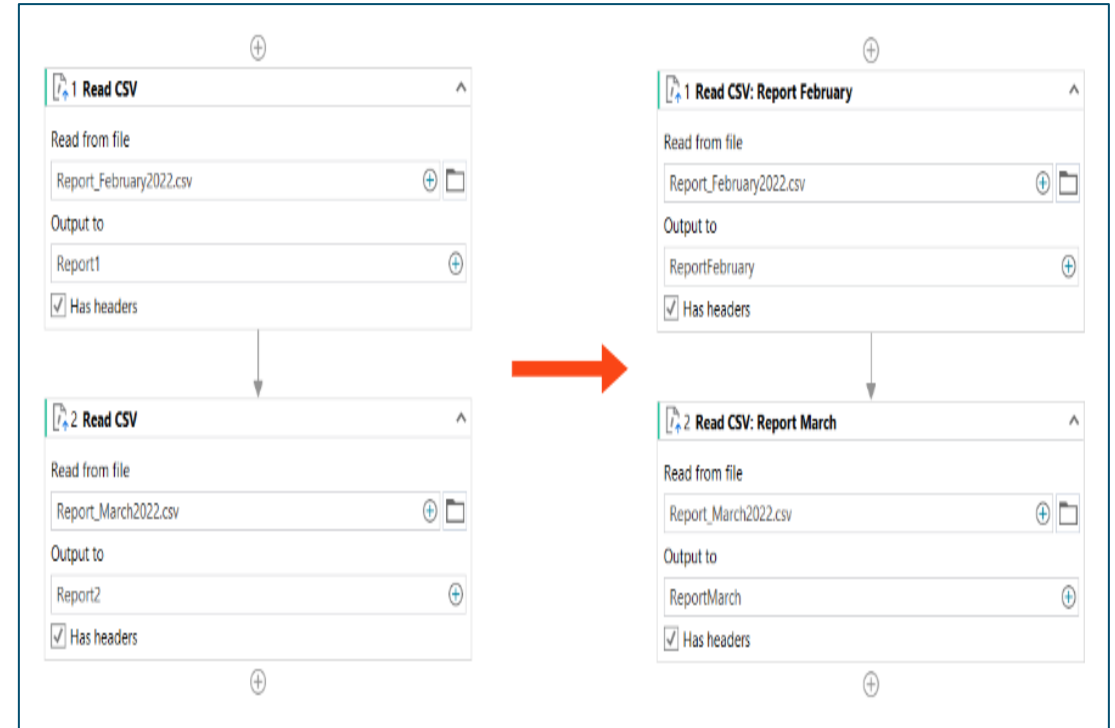# **TROUBLESHOOT** Your Project (Hand-On)

You have thus far used the Process Analyzer, a tool that will aid you in foreseeing some mistakes. Yet as you've found out, they don't help you catch every mistake. You'll learn a few methods in this course to aid you in pinpointing the issues in your project.

You will   revisit the Unicorn Name exercise, but something is off this time. The project is unworkable.

Automation Best Practices(Hand-On)

1 Start by **creating a RobotPath for your task**. Breaking it down into a sequence of steps will help you identify the actions and resources you need to use.

2 In order to create more clarity and avoid confusion, **rename activities and variables to have specific, unique names**. This will also help you more quickly identify the problematic activity in an Error Message.
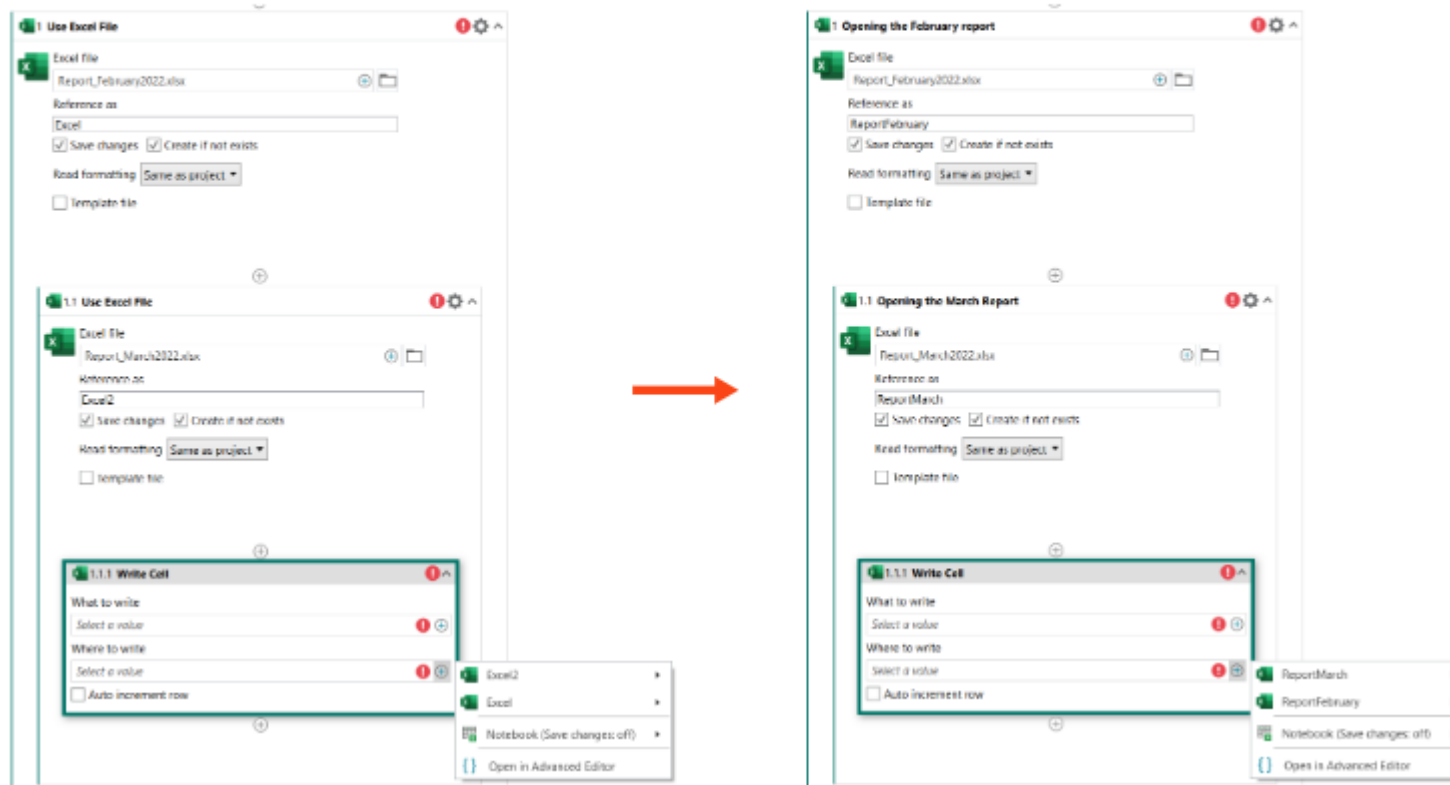
For example, the 'Read CSV' action can be renamed to specify the file that should be read. As well as the output variable can be descriptive.

Automation Best Practices(Hand-On)

3 For all the activities that have the option to 'Reference as' (such as Use Excel File resource, Use Outlook Account resource, etc.), use suggestive naming.
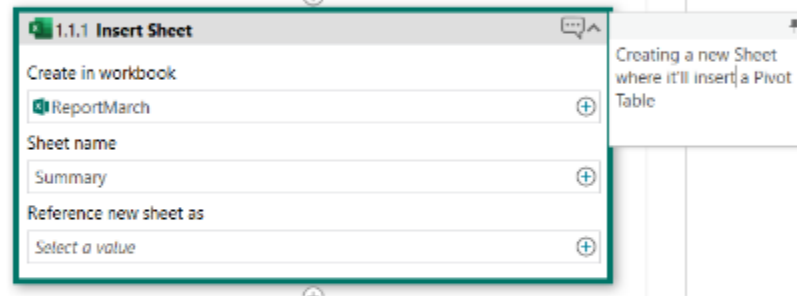
Automation Best Practices(Hand-On)

4 Use annotations for activities to add more information for documentation purposes. This is especially helpful when sharing a project with another person.

1.1.1 Insert Sheet

Create in workbook

ReportMarch ⊕

Sheet name

Summary ⊕

Reference new sheet as

Select a value ⊕

Creating a new Sheet where it'll insert a Pivot Table

5 **Close all Excel applications** before running a project.

7 You should constantly check for the **input data** to be correct. At the beginning of the process, and in the development phase.

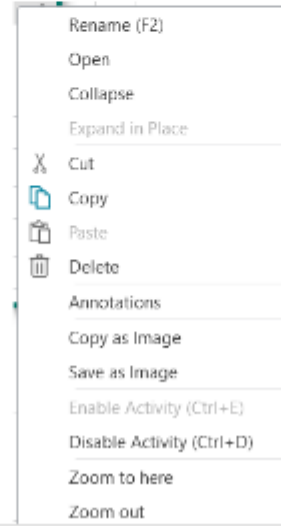HITESH KUMAR SHARMA

Automation Best Practices(Hand-On)

8 Use **"Message Box" or Write Line activities** when creating a Task Automation before and after each important step/block of your automation. (i.e. write a certai message such as "Started reading file").

9 **As you build your project, test small parts of it often.**
Use the "Run to this Activity" option to run the project from the start and stop before a specific action, or the "Run from this Activity" option to run the project starting with a specific action. You can find these options in the Context Menu (right-click on the activity).

| Rename (F2) |
| Open |
| Collapse |
| Expand in Place |
| ✂ Cut |
| ⧉ Copy |
| 📋 Paste |
| 🗑 Delete |
| Annotations ▶ |
| Copy as Image |
| Save as Image |
| Enable Activity (Ctrl+E) |
| Disable Activity (Ctrl+D) |
| Zoom to here |
| Zoom out |

Use UiPath **Resources**

Best practices and StudioX's built-in tools might not always be enough to resolve your issue. You look online for assistance when you don't comprehend the problem or when your answer isn't entirely correct. We'll discuss what other UiPath resources, besides the UiPath Academy, you can use if you get stuck in this Training.

TOPIC 7
END

THANK YOU