

RPA Specialization

Course 3: UI Automation and Selectors

Practice Exercise-Input Methods

Input Methods

Build a workflow that uses different Input Methods to input data in a Notepad.

- Open a Notepad file and type "Automation makes life easier."
- Minimize the Notepad file using the '**SimulateClick'** method
- Type "Welcome to the new world of Automation" using the '**SendWindowMessages'** method
- Change the font type to Times New Roman, the font style to Italic, and increase the font size by 5
- Close the Font window by clicking Enter

Process Overview

- START
- Use Open Application activity to indicate a Notepad file
- Use Type Into activity to enter "Automation makes life easier."
- Minimize the Notepad window using the '**SimulateClick'** method in the Click activity
- Use Type Into activity to enter "Welcome to the new world of automation" using the '**SendWindowMessages'** method
- Use Send Hotkey activity to send "Ctrl + A"
- Use Click, Attach Window, and Type Into activities to change the font type to Times New Roman, font style to Italic, and increase the font size by 5
- Use Send Hotkey activity to close the Font window of the Notepad window
- STOP

Step-by-Step Process

Step 1: Open Studio.

Step 2: Create a new process and name it as "Input Methods".

Step 3: Drag and Drop a Sequence activity from the Activities panel into the Designer panel.

Step 4: Name the Sequence activity as "Sequence – 'This is the code to test the input methods in UiPath'".

Step 5: Right-click on the Sequence activity container and select Annotations from the context menu. Add an annotation "This block of code demonstrates a workflow that uses different Input Methods to input data in a Notepad.".

Step 6: Now, manually open a Notepad window in the background.

Step 7: In UiPath Studio, Drag and Drop an Open Application activity within the Sequence activity, rename it to “Open Application - Open Notepad” and Enter annotation: “Open application is used to open the blank notepad file.”.

Step 8: Click on the “Indicate window on screen” link and select the Notepad window.

Step 9: Click the hamburger button and select ‘Edit Selector’. In the bottom panel of the Selector Editor, rename the title of the notepad to ‘* - Notepad’. Click OK to save the changes.

Step 10: In the Do section of the Open Application activity, drag and drop a Type Into activity from the Activities panel, and rename it to “Type First Text” and Enter annotation: “Types the first text in notepad file.”.

Step 11: Click on the “Indicate element inside window” link of the Type Into activity and select the editor area of the Notepad.

Step 12: In the text box of the Type Into activity, enter the text “Automation makes life easier”.

Step 13: Drag and drop a Click activity from the Activities panel below the Type Into activity, and rename it to “Click Minimize - Simulate Click”.

Step 14: Right-click on the Click activity container and select *Annotations* from the context menu.

Step 15: Add an annotation “Minimizes the notepad window using SimulateClick.”

Step 16: Click on the “Indicate element inside window” link of the Click activity, and select the Minimize button of the Notepad.

Step 17: In the Properties panel of the Click activity, check the box of the SimulateClick property.

Step 18: Drag and Drop another Type Into activity below the Click activity, rename it to “Type Second Text- Send window Messages” and Enter annotation: “Types the second text in Notepad file.”.

Step 19: Click on the “Indicate element inside window” link of the Type Into activity and select the editor area of the Notepad file.

Step 20: In the Properties panel of the second Type Into activity, check the box of SendWindowMessages property.

Step 21: In the text area of the second Type Into activity, enter the text "Welcome to the new world of automation.".

Step 22: In the text area of the Type Into activity, Click the dropdown icon and select enter. Cut the special key string (i.e.[k(enter)]) for Enter and move it before the text.

Step 23: Insert a Send Hotkey activity below the second Type Into activity, rename it to "Send Hotkey - Select all text" and enter annotation: "Ctrl+A selects all the text in the notepad file."

Step 24: Click on the "Indicate element inside window" link and select the Notepad editor area.

Step 25: Check the box below **Ctrl** option in the Send Hotkey activity and enter "A" in the Key section.

Step 26: Insert a Click activity from the Activities panel, rename it as "Click Format Button." and enter annotation: "Click Format button from the menu section of the notepad file.".

Step 27: Click on the "Indicate element inside window" link and select the *Format* button.

Step 28: Insert an Attach Window activity below the Click activity and rename it to "Attach Window - Format Menu Window". Right-click on the Attach Window activity and select *Annotations* from the context menu.

Step 29: Add an annotation "Performs action on the format menu window".

Step 30: Click on the "Indicate window on screen" link and Press F2 to add a delay. Now manually open the Format menu. After the timeout, select the *Format* menu from the Notepad window.

Step 31: Inside the Do container of the Attach Window activity, insert a Click activity and name it as "Click Font". Enter the annotation "Click Font button from the menu section of Format.".

Step 32: Click on "Indicate element inside window" link to select the *Font* button from the Format menu of Notepad window. The Font button is available in the drop-down. To indicate the Font button, press F2 to add a delay. It will help to first select the format button manually and then indicate the Font button.

Step 33: In UiPath Studio, insert another Attach Window activity after the previous Attach Window activity, and rename it to “Attach Window - Font window”. Add an annotation “Performs Action on Font window.”

Step 34: Select the *Font* window by using “Indicate window on screen” link of the Attach Window activity.

Step 35: Insert a Type Into activity within the second Attach Window activity, name it as “Type into - Font type” and enter annotation: “Types "Times New Roman" as Font Type.”.

Step 36: Click on “Indicate element inside window” link and select the input field of the Font names section in the Font window

Step 37: Type “Times New Roman” in the text field of the Type Into activity.

Step 38: Drag and drop another Type Into activity, name it as “Type into – Font Style”, Enter annotation: “Types "Italic" as Font Style.” Click on “Indicate element inside window” link and select the input field of Font style section in the Font window.

Step 39: Type “Italic” in the text field of the Type Into activity.

Step 40: Insert a Get Text activity below the Type Into activity, name it as “Get Text – Font Size” and Enter annotation: “Text gets stored in a variable named "FontSize"”.

Step 41: Click on “Indicate element inside window” link and select the input field of the Font Size section in the Font window.

Step 42: In the Properties section of the Get Text activity, save the result into a variable named as **FontSize**. Create this variable in the Value section in the Output properties of the Get Text activity.

Step 43: Insert a Type Into activity, name it as “Type Into – New Font Size”, Enter annotation: “Incrementing Font size with '5'.” and click on “Indicate element inside window” to indicate the input field of Font Size from the Font window.

Step 44: In the text area of the Type Into activity, enter the expression: (**cint(FontSize) + 5).ToString**.

Step 45: Insert a Send hotkey activity below the Type Into activity, name it as “Send Hotkey - Enter” and enter annotation: “Close the Font Window of Notepad Window”.

Step 46: Select *enter* from the dropdown menu of Key option.

Step 47: Save and Run the workflow.