

# Module 3: Ui Automation and System Activities

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## Demo 2 – Solution

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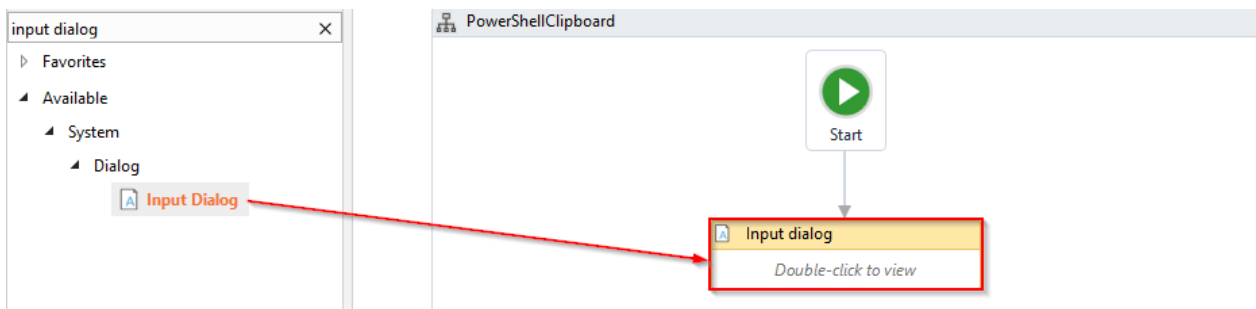
## Demo 2

- Create an automation which performs the following activities:
  1. Get a text through input dialog box
  2. Copy it on a clipboard
  3. Open a notepad and put the copied text from the clipboard to the notepad
  4. Save and close the notepad
  5. Create a directory through PowerShell
  6. Put the notepad created in the previous step, into this directory

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## Demo 2 – Solution

- **Step 1:** Create a blank project and, on the Design tab, in the File group, select New -> **Flowchart**. The New Flowchart Diagram window is displayed. Give a name to the **Flowchart**
- **Step 2:** After the flowchart is created, search for **Input Dialog Box** in the search column in the activity panel and drag and drop it in your flowchart. Double Click on the **Input Dialog Box**. Give a title and label to your input dialog box



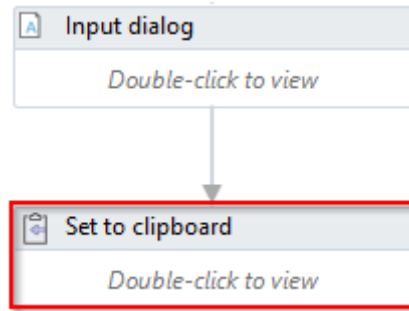
1. Create a variable named **text**.
2. Set its type as **GenericValue**.
3. In the output property of Input Dialog Box, Set **text** in the Result field.

The screenshot shows the 'Input dialog' activity configuration. The 'Input dialog' box is shown with a title 'Type whatever you like' and a label 'Your Text'. The 'Output' property is set to 'text'. The 'Variable type' is 'GenericValue' and the 'Scope' is 'PowerShellClipboar'.

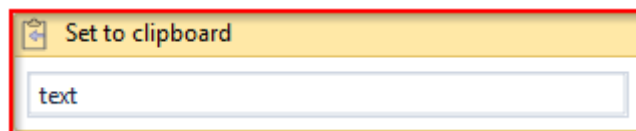
Name	Variable type	Scope	Default
text	GenericValue	PowerShellClipboar	Enter a VB expression

3

- **Step 3:** Add **Set to Clipboard** Activity under the Input Dialog and double click on it.

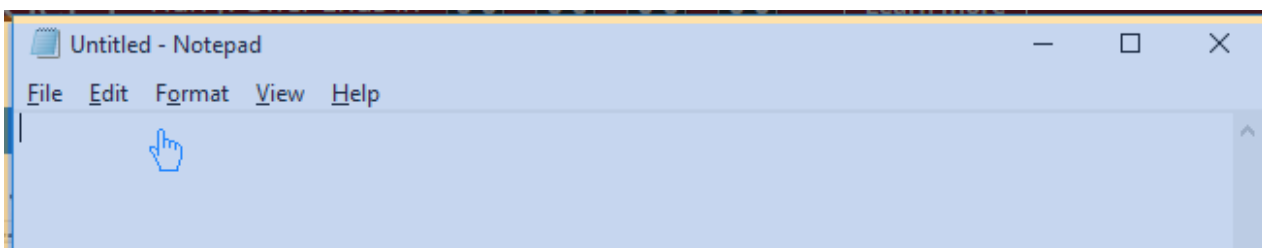
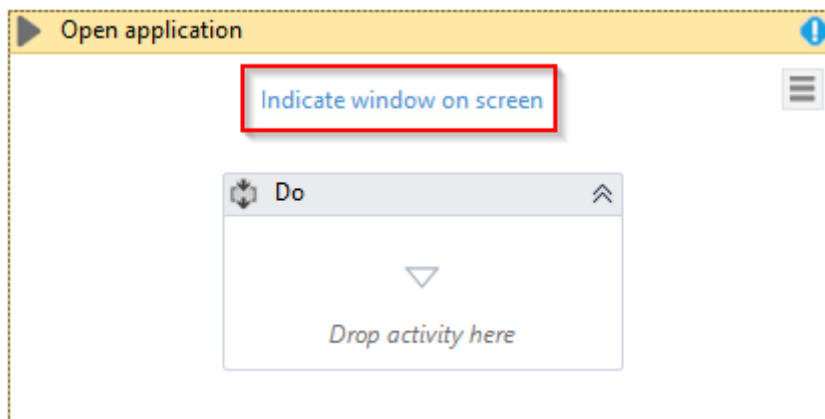


1. Set **text** variable in the Clipboard Activity field

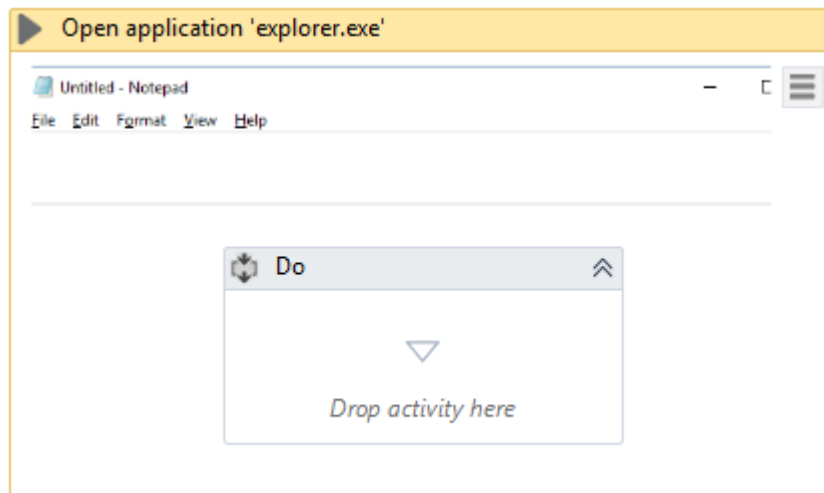


- **Step 4:** Add **Open Application Activity** after Set to Clipboard. Double click on it.

1. Now open a **new notepad file**.
2. Back in the Tool, in Open Application Activity, click on **indicate on screen** and select the notepad screen.

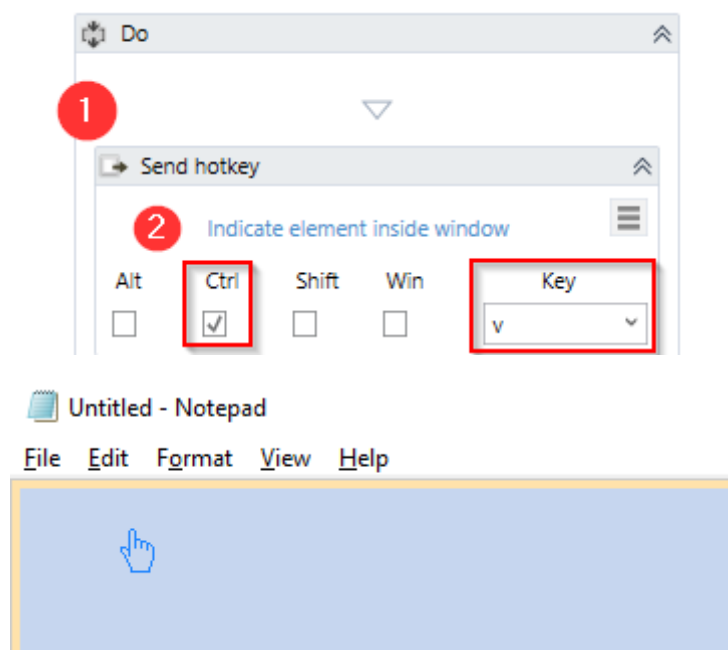


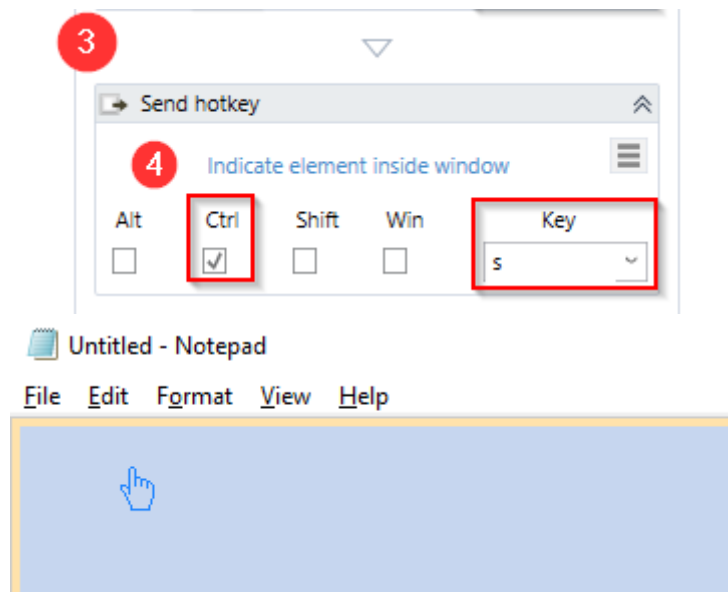
3. Now the **Open Application Activity** will look something like this:



➤ **Step 5:**

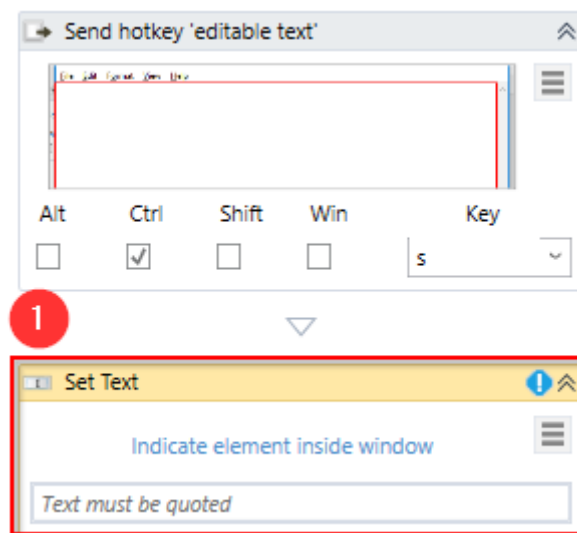
1. Add **Send Hotkey Activity** in the “Do” container of the **Open Application** activity and set the hotkey to **CTRL + V**.
2. Indicate the Notepad application in the **Send Hotkey Activity**. It will copy the text from the clipboard and paste it in the notepad.
3. Add another **Send Hotkey Activity** under the previous one and set the hotkey to **CTRL + S**
4. **Indicate** the Notepad application in the Send Hotkey Activity. It will save your Notepad file

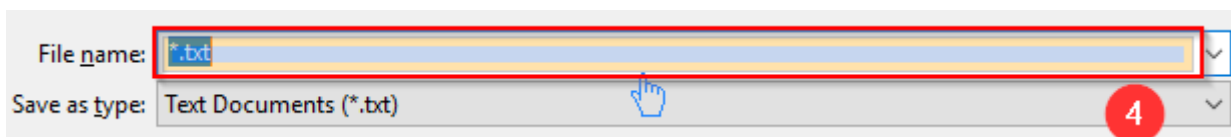
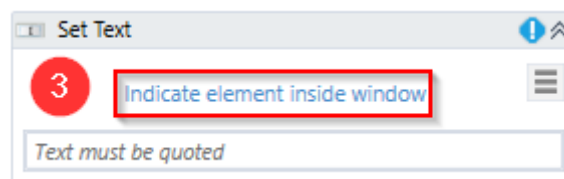
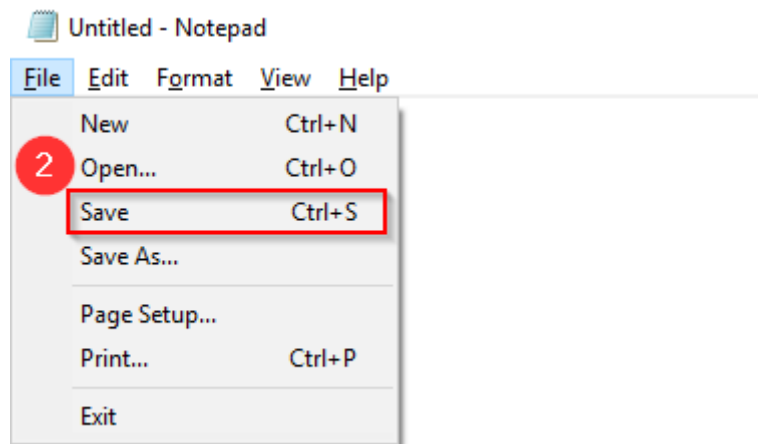




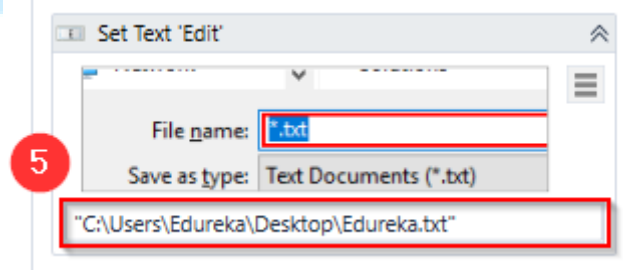
- **Step 6:** After the CTRL+S key is triggered on the Notepad file, a screen will appear asking the user to name and save the notepad file in a specific directory. To automate this process:

1. Add **Set Text** activity
2. In the notepad, hit CTRL+S
3. Back in the tool, in Set Text activity, click on Indicate Element inside window
4. Indicate the File Name field on the **Save Window**

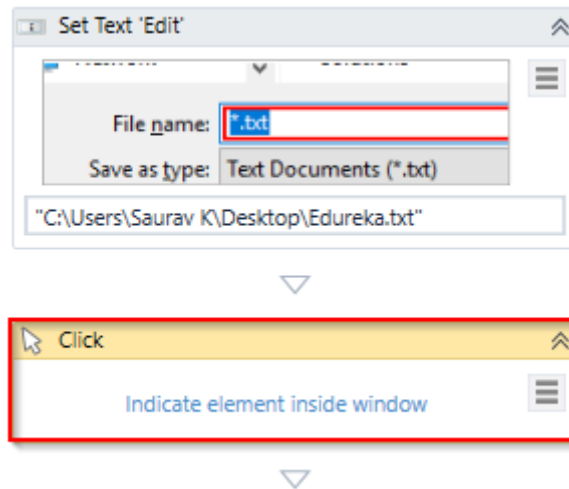




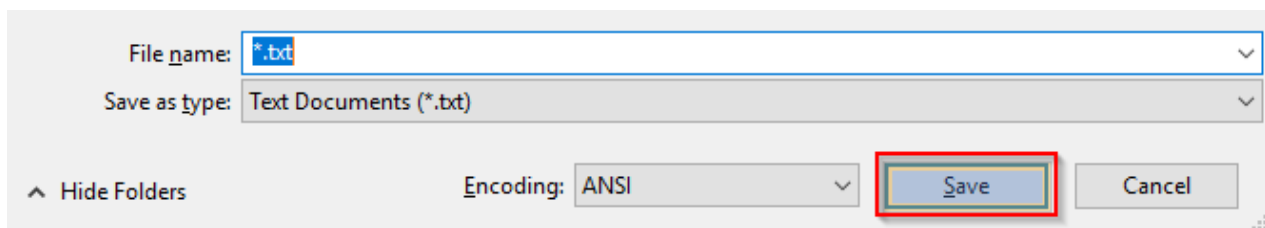
5. Click on the Text Field of **Set Text Activity** and enter a name for the notepad with complete path as shown below:



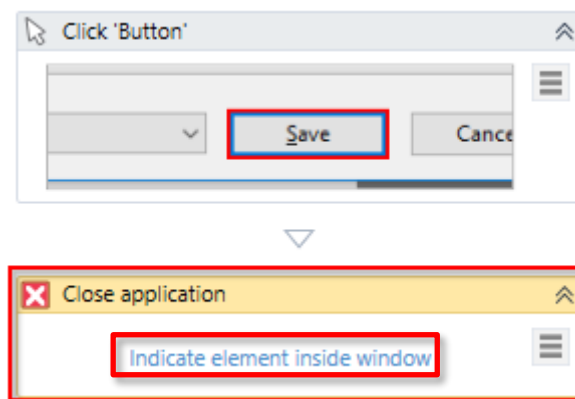
- **Step 7:** Add a **Click Activity** under the Set Text Activity you created in the previous step.



1. Click on **Indicate Element** and indicate the **Save Button** on the Notepad Save Screen

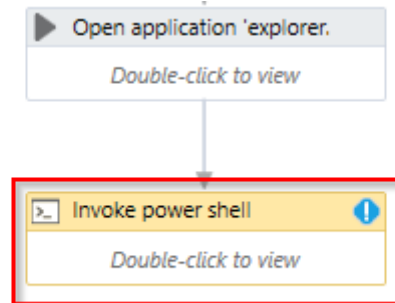


- **Step 8:** Add **Close Application Activity** under Click Activity and indicate the notepad





- **Step 9:** Go back to your Flowchart and add **Invoke PowerShell Activity** after Open Application Activity and Double Click on it to expand.



1. Set **"mi"** in its text field. It's a PowerShell command meaning **Move Item**.
2. Go to its **Input Parameter property** and create **two arguments**.
3. First argument, where the text file is stored, provide its path in the value column
4. Second argument, where that text file will be moved and set the path accordingly

1. Set **"mi"** in its text field. It's a PowerShell command meaning **Move Item**.

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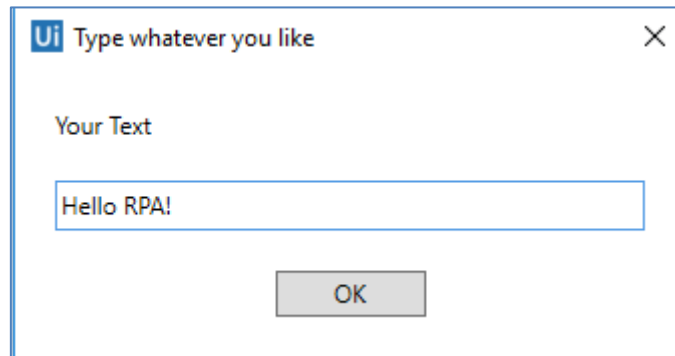
3. First argument, where the text file is stored, provide its path in the value column

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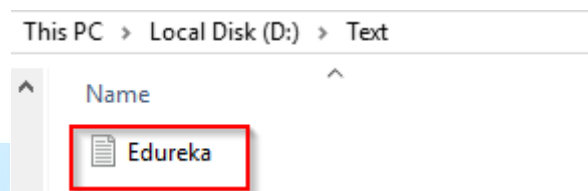
Name	Direction	Type	Value
Path	In	String	"C:\Users\Edureka\Desktop\Edureka.txt"
Destination	In	String	"D:\Text"

➤ **Step 10:** Now run the project.

1. Type in the value in Input Dialog



2. A new txt file will be created in the specified location



3. This text file will have the defined text in the Notepad file

