

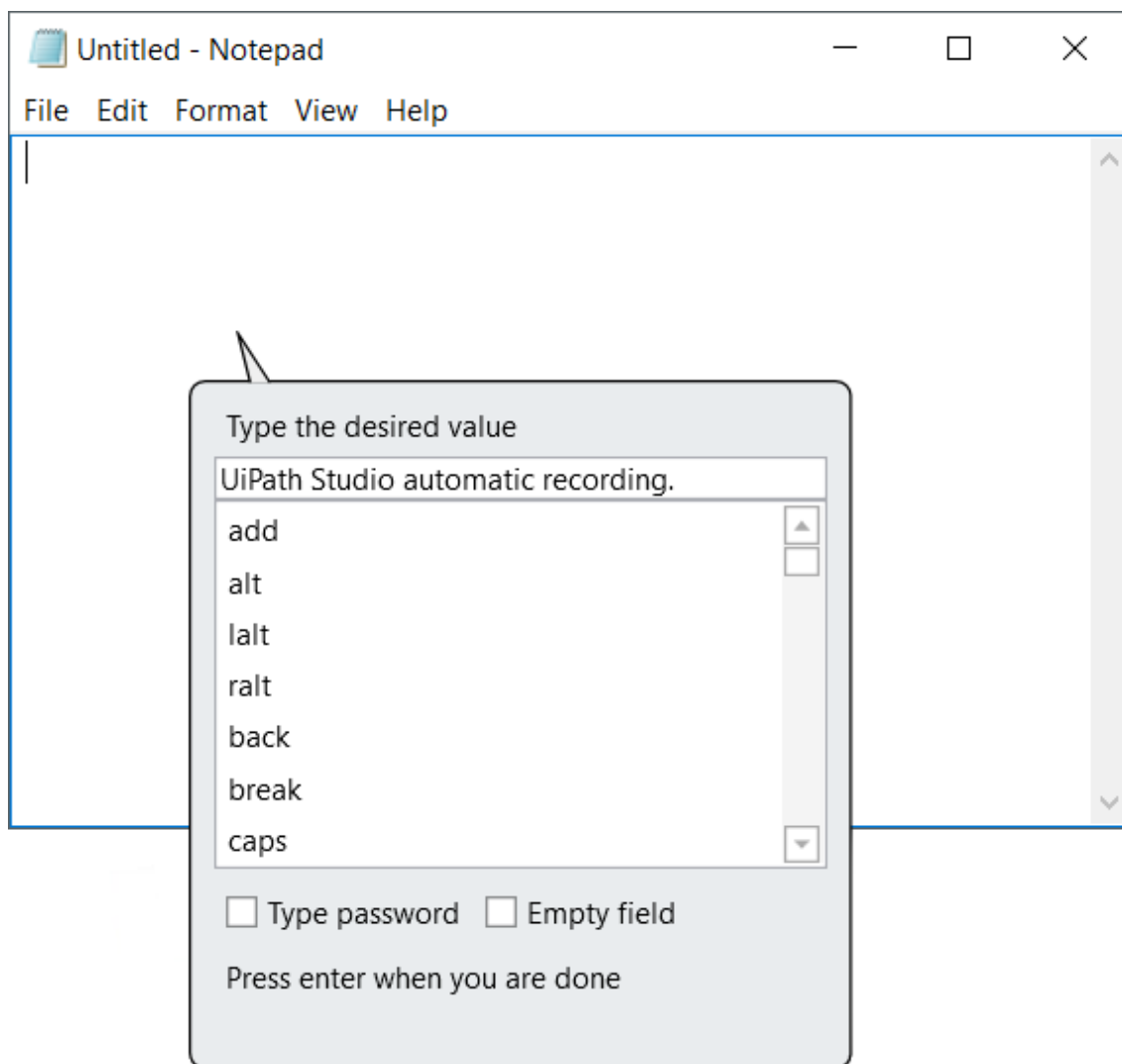
# Automatic Recording with Basic and Desktop

## Lab Solutions

Lab solution(s) are present in `Solution\Lab04` folder.

To exemplify how you can use the automatic recording and understand more about the differences between **Basic** and **Desktop**, let's create the same project for the two.

1. Open Notepad.
2. In UiPath Studio, create a new sequence.
3. In the **Design** ribbon tab, in the **Wizards** group, select **Recording** and then select the recording type:
  - **Basic** - The **Basic Recording** toolbar is displayed and the main view is minimized.
  - **Desktop** - The **Desktop Recording** toolbar is displayed and the main view is minimized.
4. In the toolbar, click **Record**. The automatic recording process starts.
5. In Notepad, click on the main panel. A pop-up window is displayed.



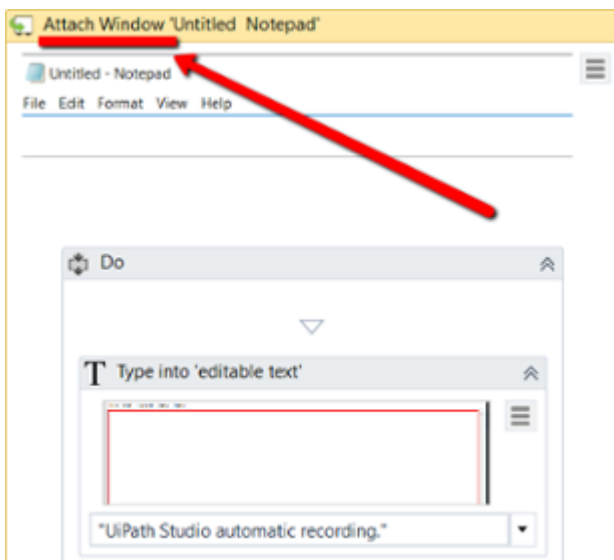
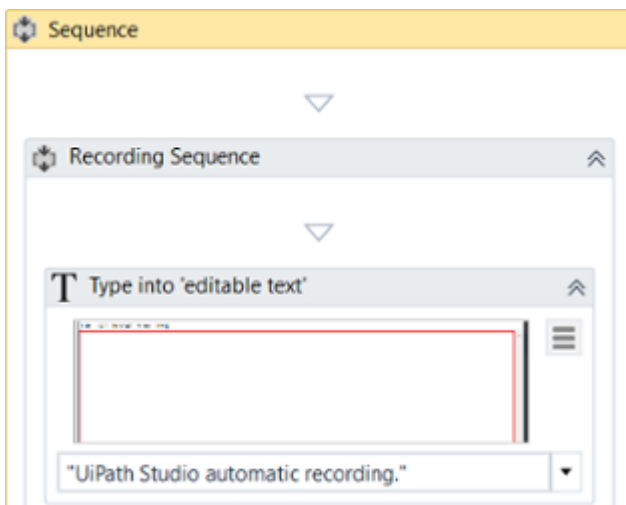
6. Type a custom text and press Enter. The string is displayed in Notepad.

*Note:*

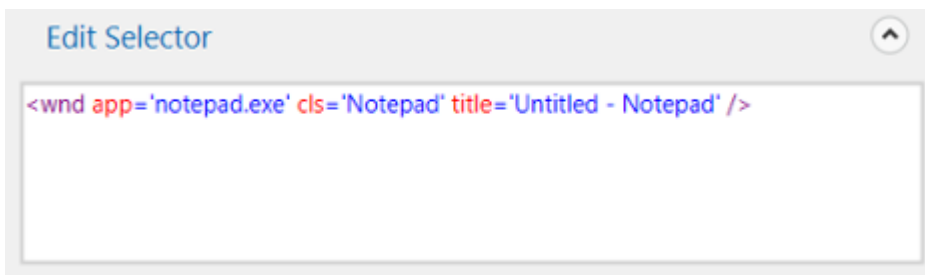
Select the **Empty field** check box to delete previously existing text. You can also select this option after the recording is finished, in the **Properties** panel of the **[Type Into]** activity.

7. From the **Format** menu, select **Font**. The **Font** window is displayed.
8. Select a different font style, such as Bold Italic, and click **OK**.
9. Press Esc two times. You exit the recording view and the saved project is displayed in the **Designer** panel.
10. Press F5. The automation is executed as expected.

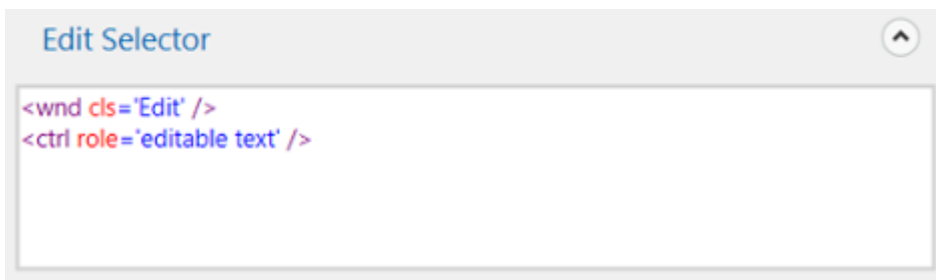
The two screenshots below display part of the resulted projects for the **Basic** (first screenshot) and **Desktop** (second screenshot) automatic recordings. As you can see, the second one generates an **[Attach Window]** container, while the **Basic** one does not.



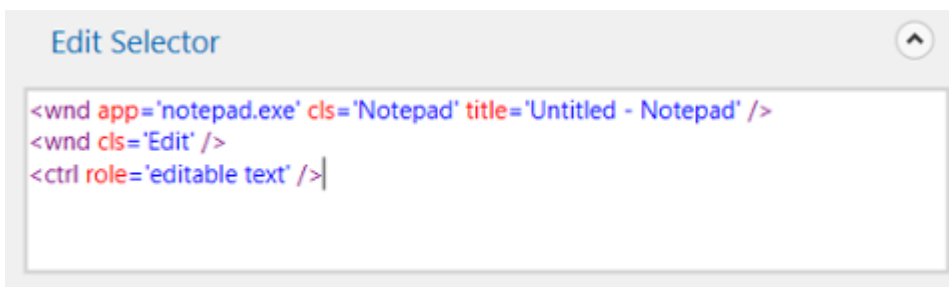
**Desktop** recorder - The top level window selector from the **Attach Window** container:



**Desktop** recorder - The partial selector for the **Type Into** activity:



**Basic** recorder – The full selector for the **Type Into** activity:

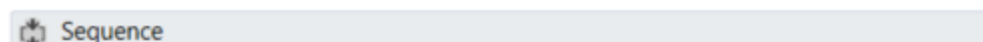


You can also customize and parameterize this project after it is recorded. To exemplify this, let's take the **Desktop** recording example and build upon it.

For example, let's assume that we want to extract the number of an invoice from an Excel file, copy it to a new Notepad application which we close in the end.

1. Add an **[Excel Application Scope]** activity before the recording sequence.
2. In the **WorkbookPath** field, type the path of the Excel file you need to extract information from.
3. Add a **[Read Cell]** activity in the **Excel Application Scope**.
4. In the **Properties** panel, add the **Sheet Name** and **Cell** information from the Excel file used.
5. Right-click in the **Result** field, and click **Create Variable**. The **Set Name** field is displayed.
6. Fill in the name, such as InvoiceNumber, and press Enter. The variable of type 'GenericValue' is created and displayed in the **Result** field and **Variables** panel.
7. Change the scope of the variable to **Main**.
8. In the recording sequence, in the **Type Into** activity, in the **Text** field, add the InvoiceNumber variable. This copies the value stored in the variable to Notepad.

What was added to the project should look as in the following screenshot.



Excel application scope

"urgent\_invoice.xlsx"

Do

Read Cell

"Sales Invoice" "F5"

Open application 'notepad.exe Untitled'

Untitled - Notepad

File Edit Format View Help

Do

Recording Sequence

Attach Window 'Untitled Notepad'

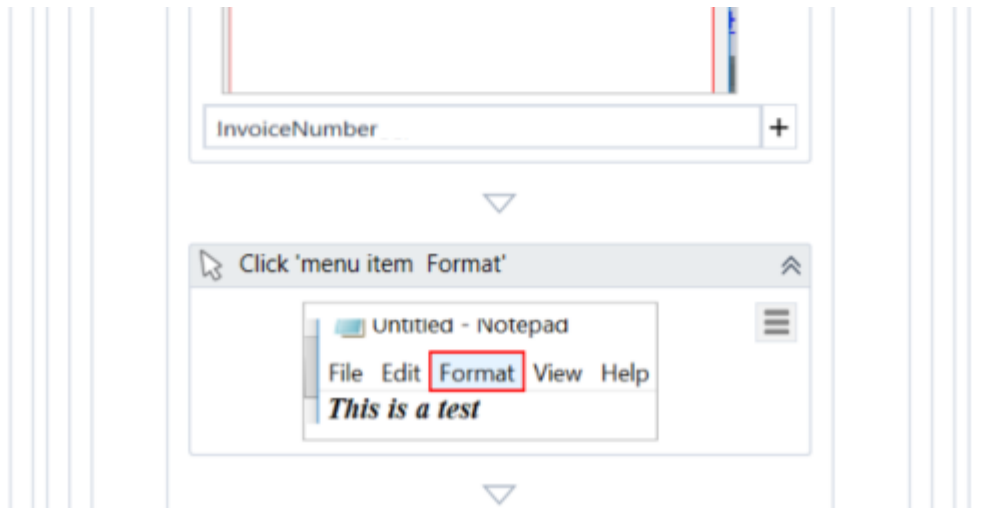
Untitled - Notepad

File Edit Format View Help

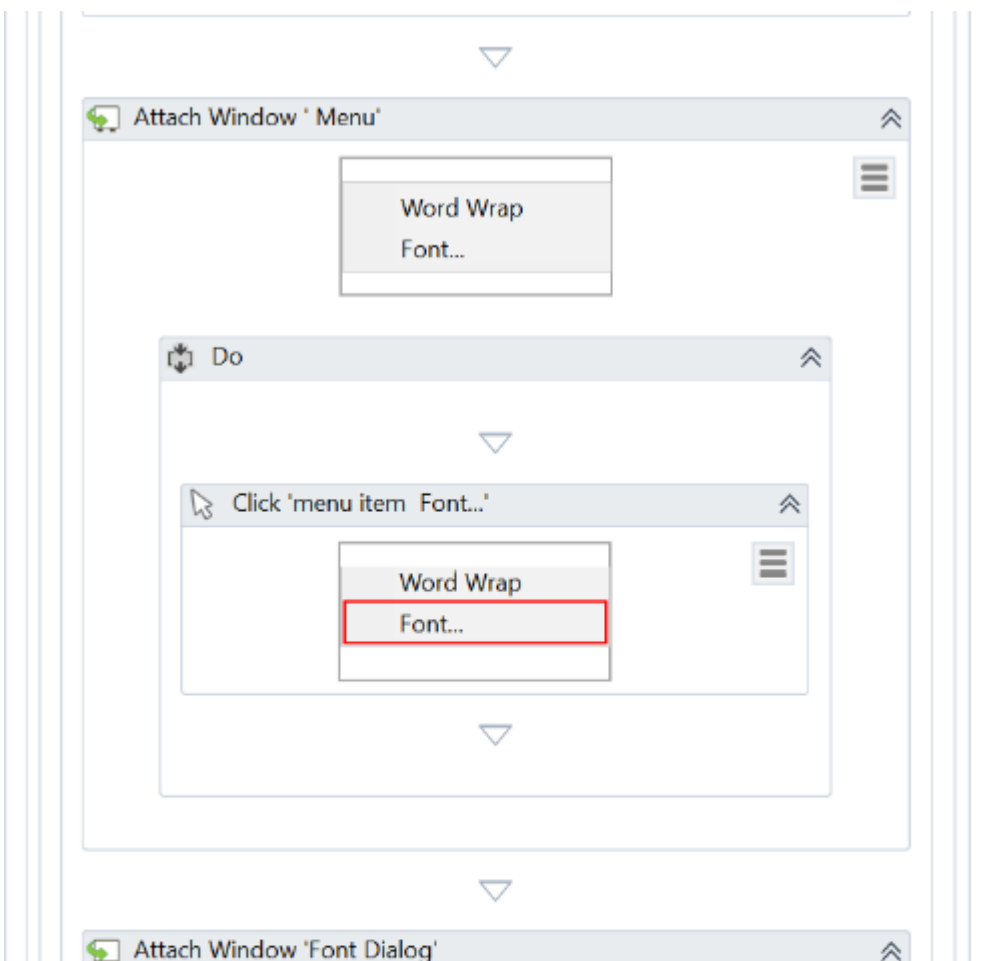
Do

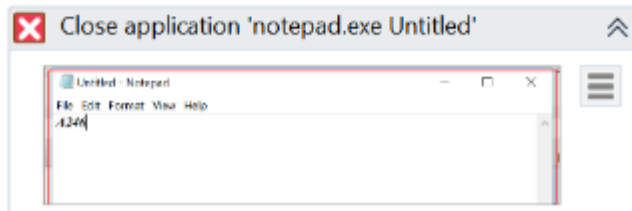
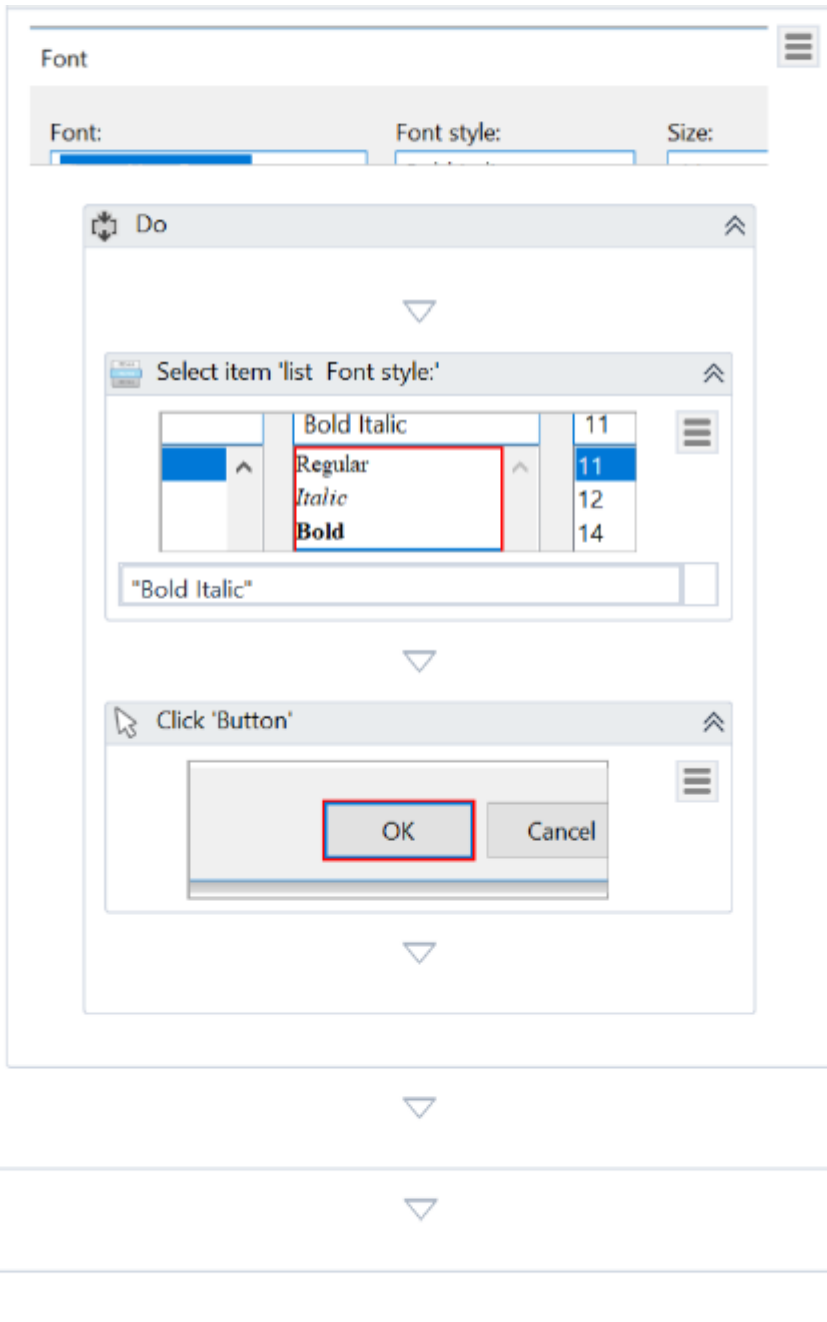
Type into 'editable text'

File Edit Format View Help



9. Add an [**Open Application**] activity between **Excel Application Scope** and the Recording sequence.
10. Use **Indicate window on screen** to select the active **Notepad** window.
11. Place the Recording sequence inside the **Open Application** activity.
12. Add a [**Close Application**] activity after **Open Application**.
13. Use **Indicate window on screen** again to select the active **Notepad** window to be closed.
14. Make sure the **OffsetX** and **OffsetY** properties (**Cursor Position**) are empty. What was added to the project should look as in the following screenshot.





15. Press F5. The automation is executed as expected.

*Note:*

*To ensure that the workflow execution ends, close the Save Notepad window.*

