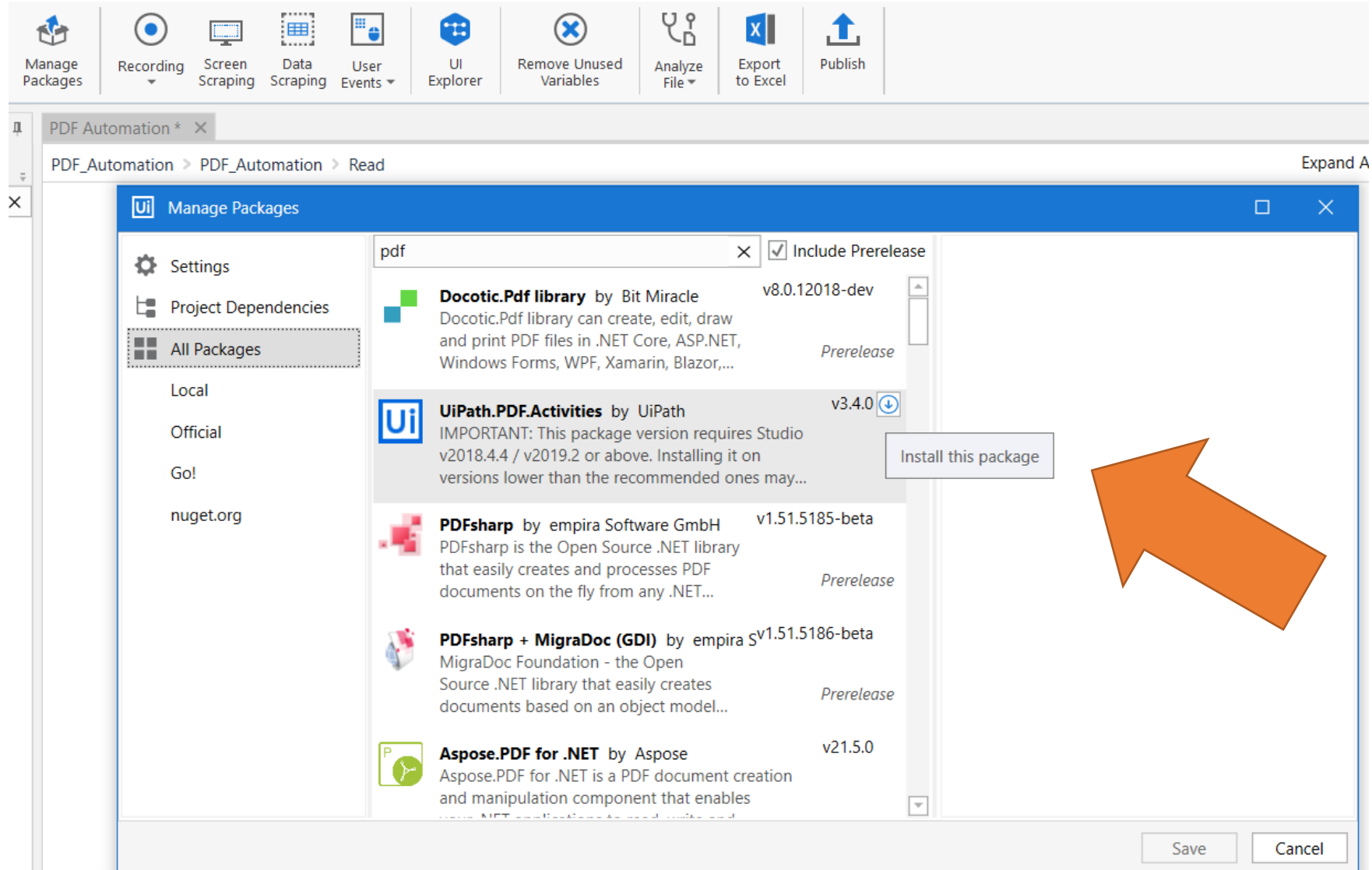


Practice Examples

PDF Automation

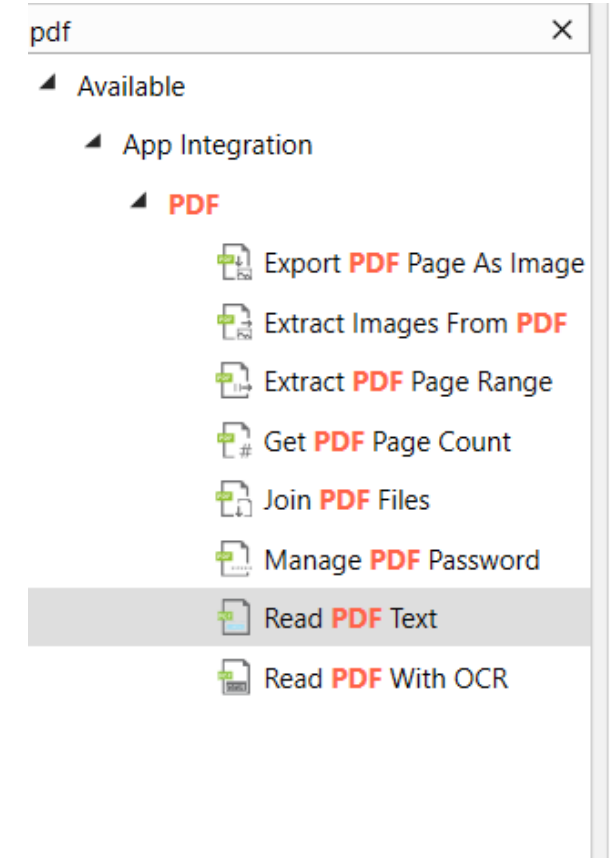
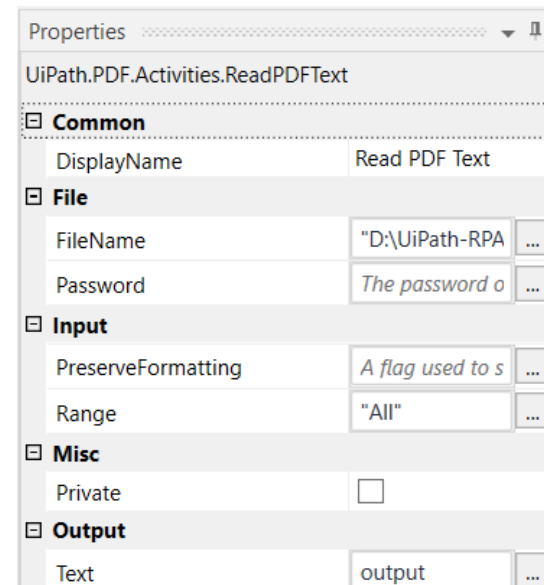
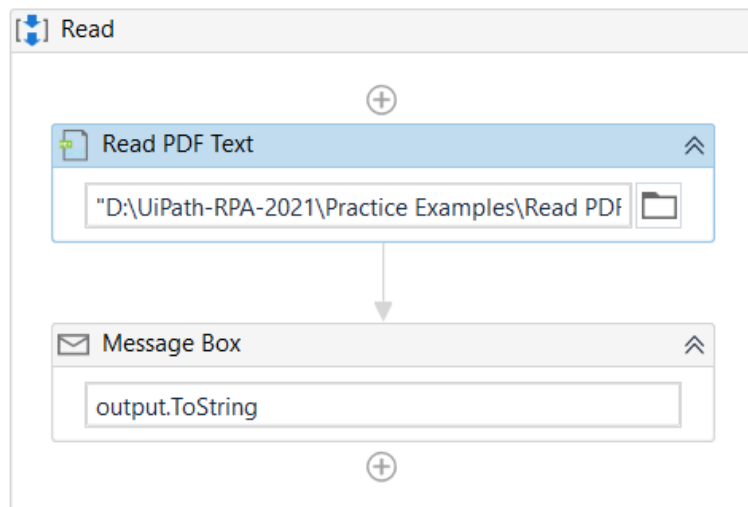
- Types of PDF Activities
 - Extracting Large Texts
 - Read PDF text – For files with TEXT only
 - Read PDF with OCR – For files with TEXT and IMAGES
 - Extracting Specific Elements

Extracting Large Text – Read PDF text



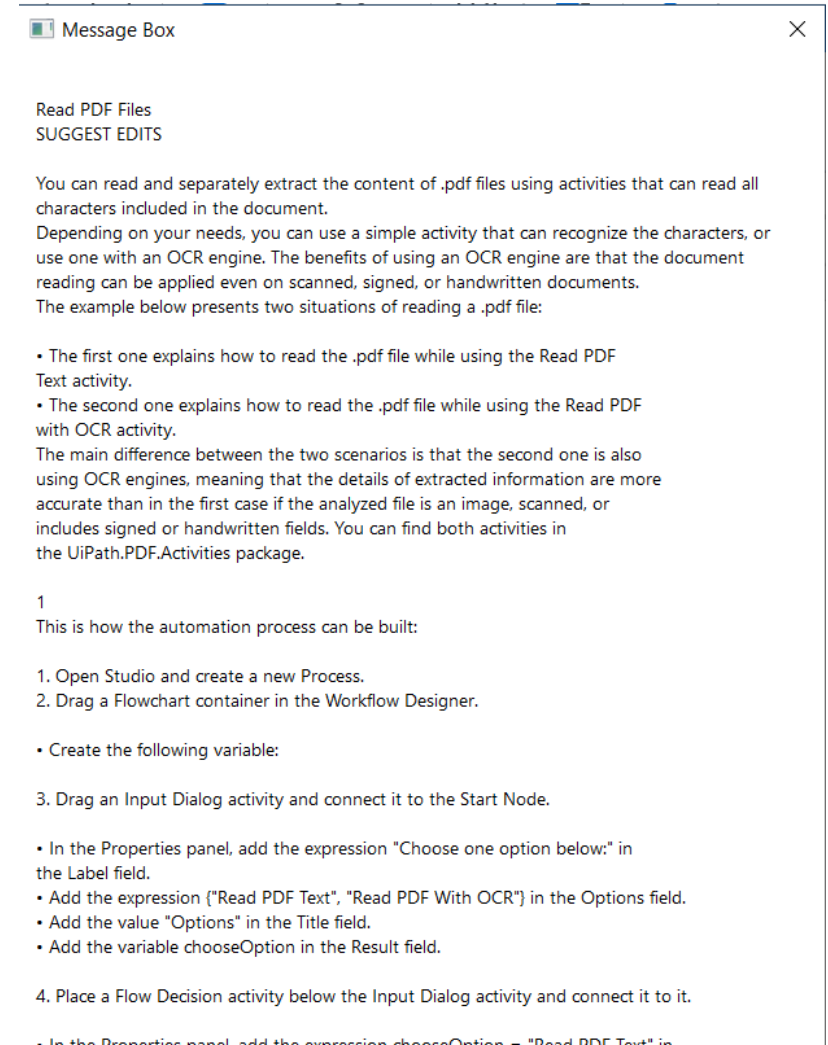
Read PDF Text

- Drag and drop Read PDF Text Activity
- Specify the path to access the pdf file
- Specify the output variable name
- Drag & drop Message box and display output variable



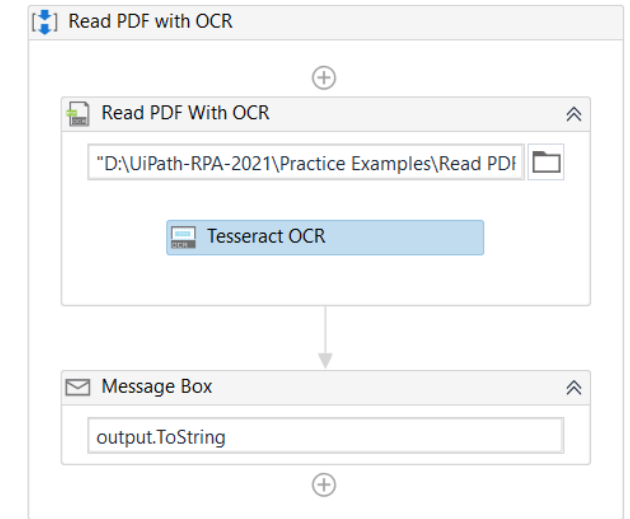
Hit Run to check the result

- Output will read all the contents (page1,2)
- Observer that First page has only TEXT part
- The last line in the first page is missing.
- The reason is that last line is of type image.
- To access image content we should use
- **Read PDF with OCR Activity**
- Note: Read PDF Text activity has property Called **Range** default its “All”, change it to Page numbers. Example: 1, 2-5, 3-6 etc.



Extracting Large Text – Read PDF with OCR

- Drag and drop Read PDF with OCR Activity
- Specify the path to access the pdf file
- Specify the output variable name
- Drag & drop OCR Engine
- Drag & drop Message box and display output variable
- Hit Run and observe the output
- It will read all the content including IMAGE text also.



- UI Automation
 - OCR
 - Engine
 - Google Cloud Vision OCR
 - Microsoft Azure Computer Vision OCR
 - Microsoft OCR
 - Microsoft Project Oxford Online OCR
 - Tesseract OCR
- Find
- Mouse
- Screen Scraping

Output

- All the text including IMAGE content
Also got extracted.

Message Box



0

Read PDF files

SUGGEST EDITS

You can read and separately extract the content of .pdf files using activities that can read all characters included in the document.

Depending on your needs, you can use a simple activity that can recognize the characters, or

use one with an OCR engine. The benefits of using an OCR engine are that the document

reading can be applied even on scanned, signed, or handwritten documents.

The example below presents two situations of reading a .pdf file:

0 The first one explains how to read the .pdf file while using the Read PDF Text activity.

0 The second one explains how to read the .pdf file while using the BeadiBQE with OCR activity.

The main difference between the two scenarios is that the second one is also using OCR engines, meaning that the details of extracted information are more accurate than in the first case if the analyzed file is an image, scanned, or includes signed or handwritten fields. You can find both activities in the UiPath.PDF.Activities package.

Only one workflow is required for both scenarios, common until the point of asking the user to choose the desired reading method.

1This is how the automation process can be built:

1. Open Studio and create a new Process.

2. Drag a Flowchart container in the Workflow Designer.

0 Create the following variable:

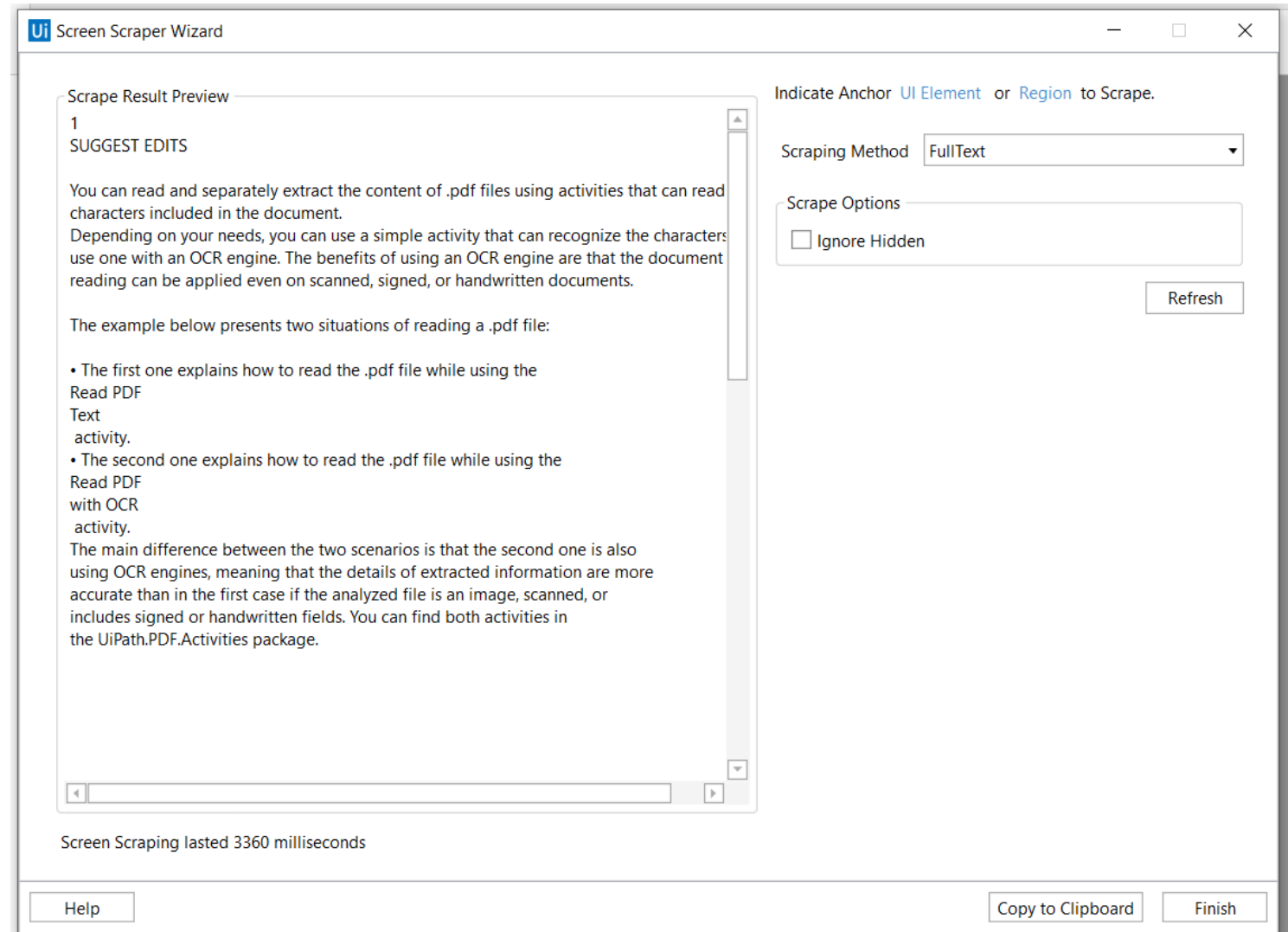
3. Drag an Input Dialog activity and connect it to the Start Node.

0 In the Properties panel, add the expression "Choose one option below: " in the Label field.

0 Add the expression {"Read PDF Text", "Read PDF With OCR"} in the Options field.

Extracting Large Text – Screen Scraping

- Click on Screen scrape
- Select the item on pdf



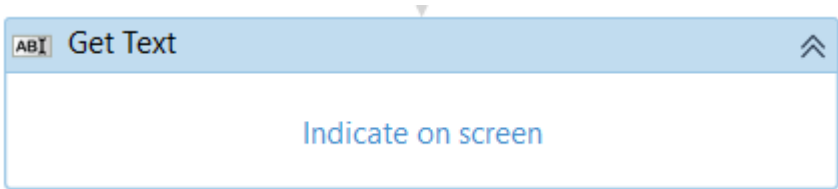
Invoice Number	INV-3337
Order Number	12345
Invoice Date	January 25, 2016
Due Date	January 31, 2016
Total Due	\$93.50

	Rate/Price	Adjust	Sub Total
	\$85.00	0.00%	\$85.00

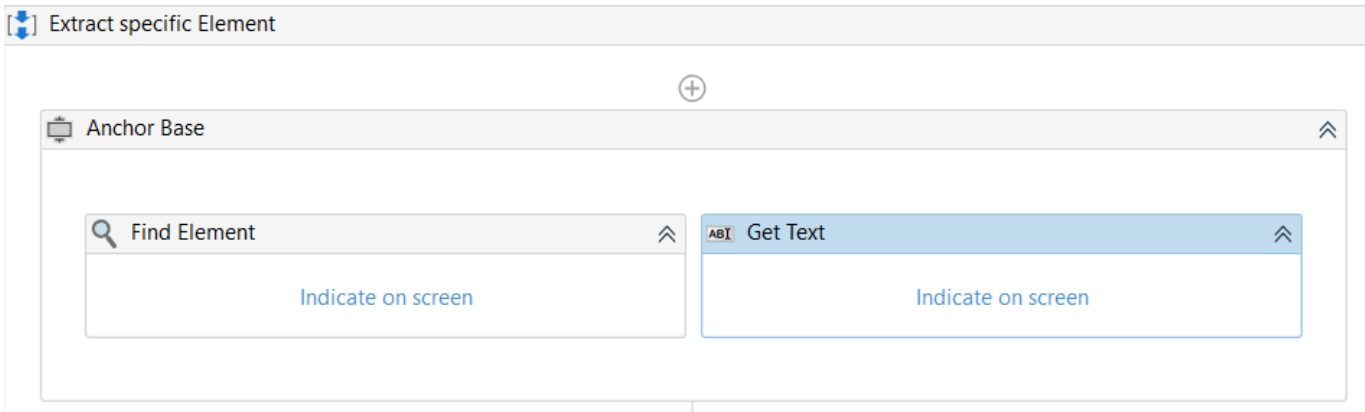
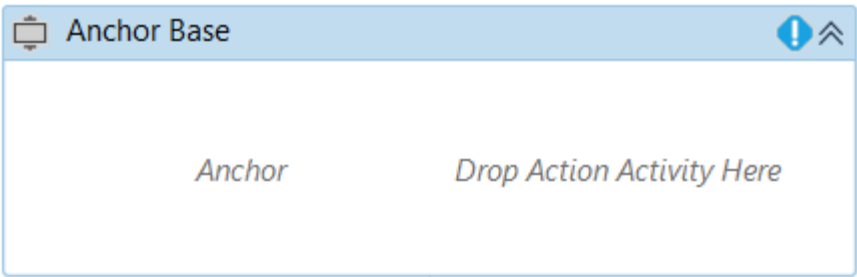
Sub Total	\$85.00
Tax	\$8.50
Total	\$93.50

Extracting specific Elements

- Get Text – To extract TEXT in a PDF file



- Anchor Base – To extract TEXT and IMAGE in a PDF file



Advantage of Anchor Base

- Get Text activity will fail if Total is getting changed in Invoice
- Anchor Base is the best option to automate or read the Total which is getting changed in each Invoice document.
- Using Find Element Identify the static element (label : Total)
- Using Get Text extract the required text.
- Anchor base will extract the text which is top/left/right side of the Anchor.