RPA Specialization

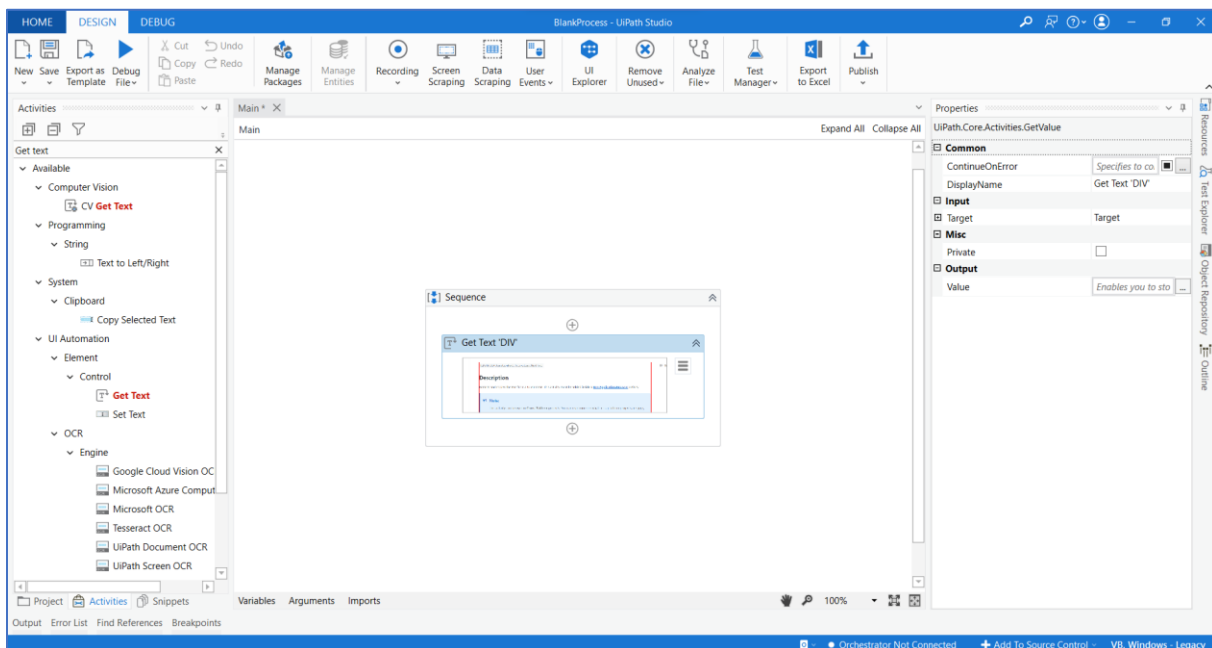**Course 5: Automation Techniques in RPA**

Output Actions

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Output actions are the actions through which the user takes out data from an application. These actions include:
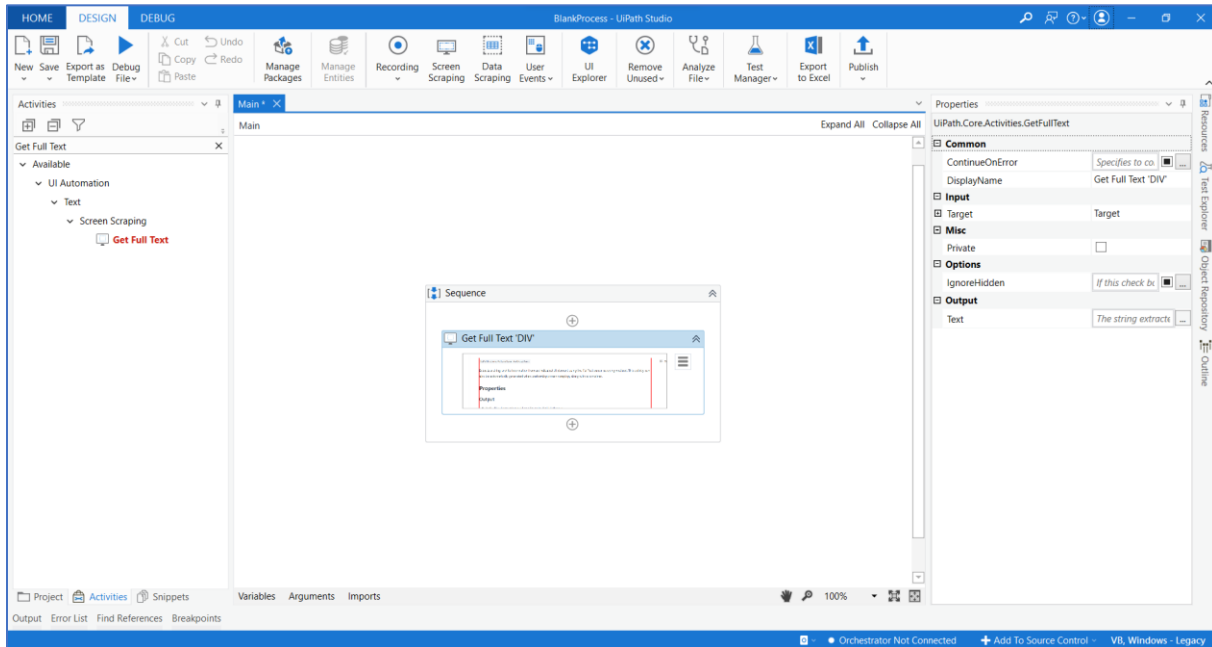
- Getting text
- Finding elements
- Identifying images
- Clipboard actions like Copy
- Saving files from applications

In Studio, there are specific activities to perform these actions on a user interface.
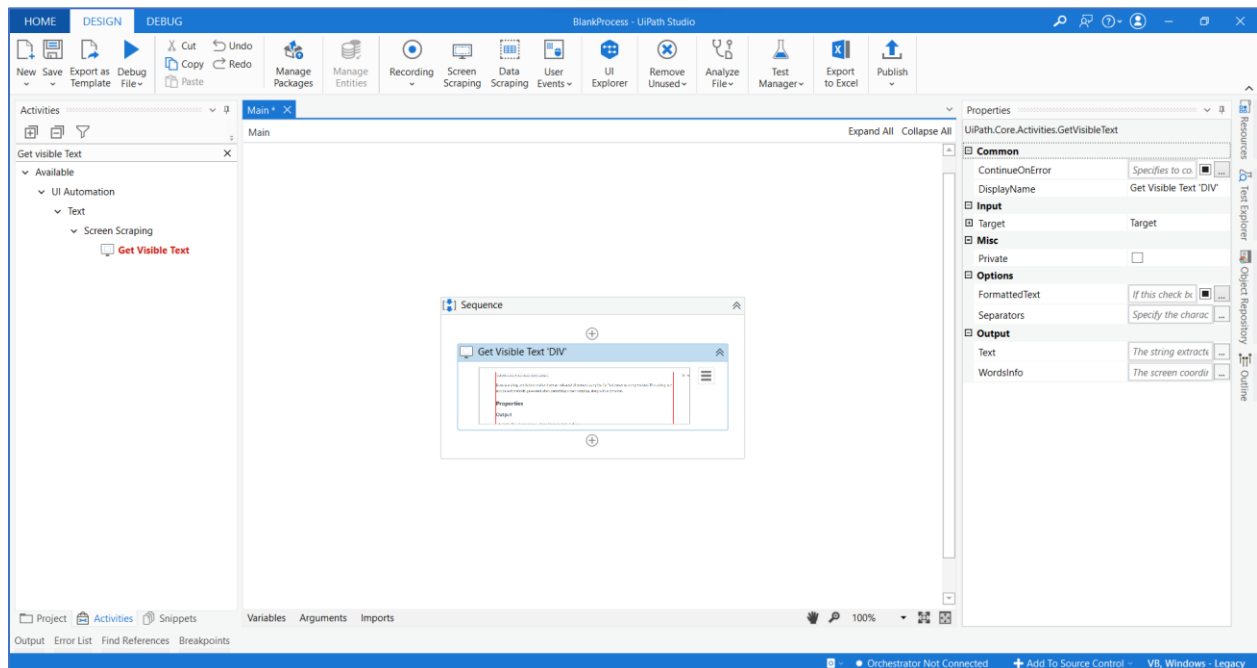
- The first is **Get Text Activity** - It helps in extracting a text value from a specified UI element. This is used as a stand-alone activity in the workflow by inserting it from the Activities Panel.
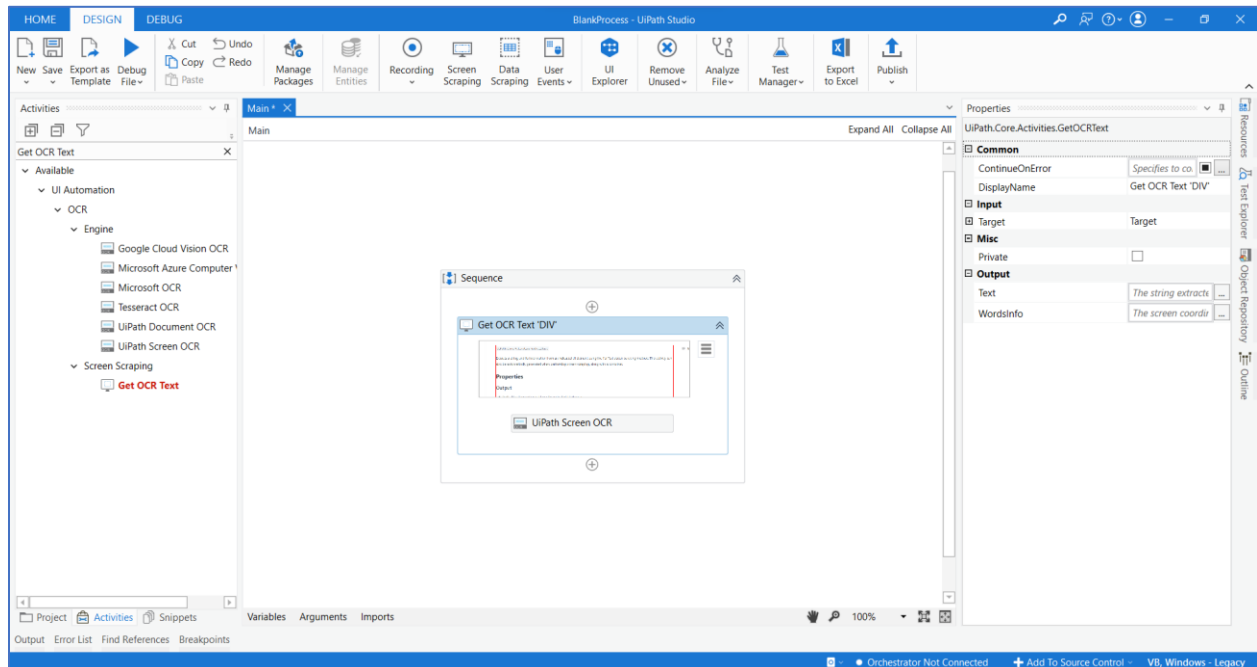

- The second is **Get Full Text Activity** - It extracts a string and its information from an indicated UI element. The hidden text is also captured by default. It is automatically generated along with a container when performing Screen Scraping with the 'Fulltext' method. However, it can also be used as a stand-alone activity in the workflow by inserting it from the Activities Panel.

- The third is **Get Visible Text Activity -** It extracts a string and its information from an indicated UI element. It is automatically generated along with a container when performing Screen Scraping with the 'Native' method. However, it can also be used as a stand-alone activity in the workflow by inserting it from the Activities Panel.
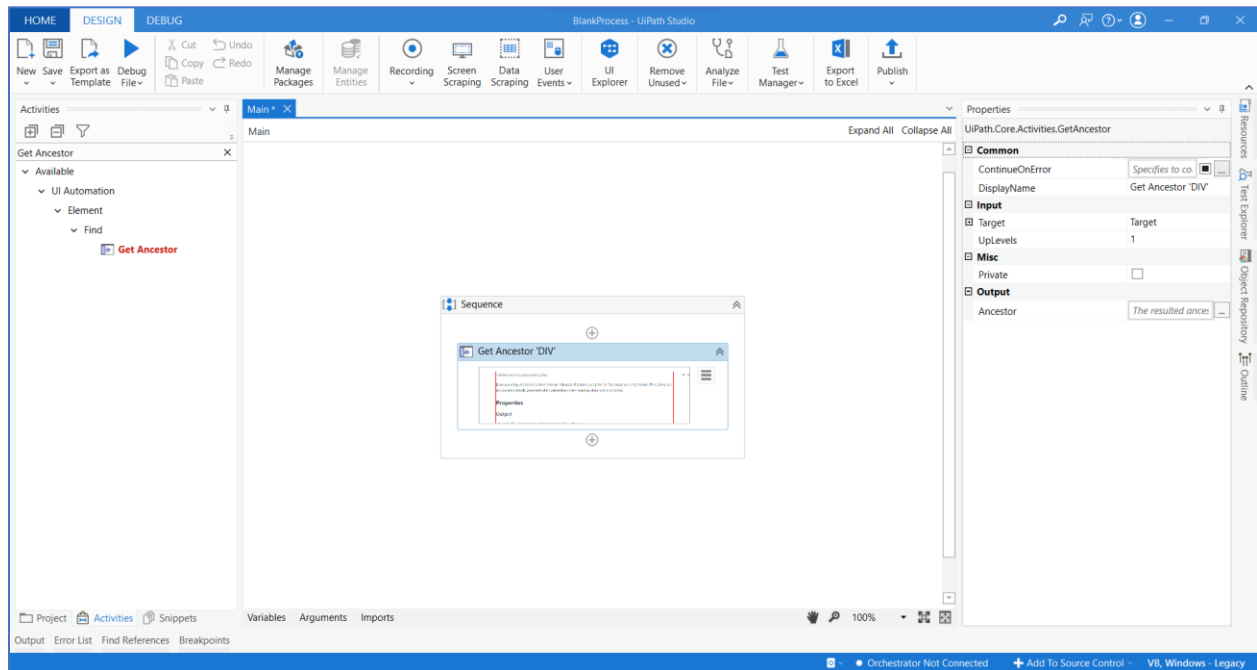
- The fourth is **Get OCR Text Activity -** It extracts a string and its information from an indicated UI element. It is automatically generated along with a container when performing Screen Scraping. However, it can also be used as a stand-alone activity in the workflow by inserting it from the Activities Panel. The UiPath Screen OCR engine is used by default, but it can be changed to the other available options.
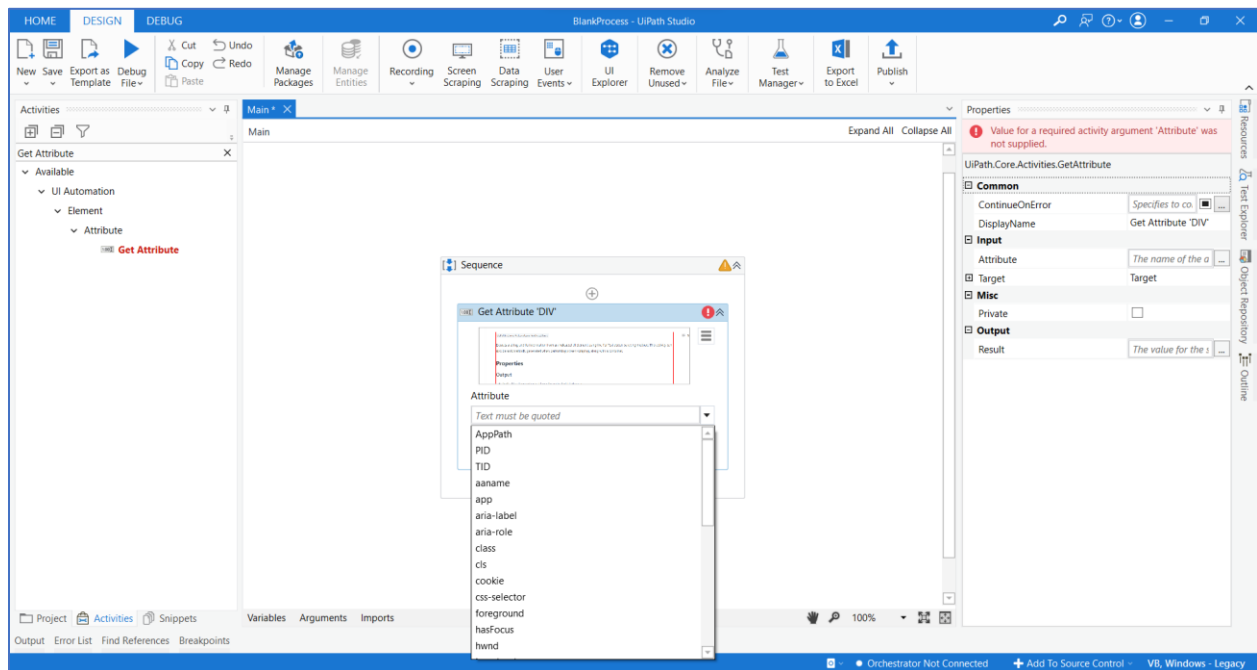

Besides getting text out of an indicated UI element, you can also extract the value of multiple types of attributes, its exact screen position, and its ancestor.

This type of information can be extracted through dedicated activities that are found in the Activities panel, under UI Automation > Element > Find and UI Automation > Element > Attribute. These activities are:

- **Get Ancestor** – enables you to retrieve an ancestor from a specified UI element. You can indicate at which level of the UI hierarchy to find the ancestor and store the results in a UiElement variable.

- **Get Attribute** – retrieves the value of a specified UI element attribute. Once you indicate the UI element on the screen, a drop-down list with all available attributes is displayed.

- **Get Position** – It retrieves the actual position of a specific element on the screen. This can be very useful when there are many similar elements on a screen and without knowing their actual position, it would become very difficult to identify each of them.