

Robotics Process Automation (RPA) Developer with UiPath



Glossary & Reference Sheet - UiPath Advanced Automation Techniques and Design

Excel, Data Tables, and PDF Automations

DataTable

is a type of variable in RPA that is used to store and write the data in the form of rows and columns.

Native PDF

are PDF files directly generated from a computer by Word, Excel, InDesign, Illustrator, or any other software that generates reports, spreadsheets, layouts, etc. They are composed of code that allows them to be viewed and read electronically.

Scanned PDF

is a PDF made up of scanned image(s). With scanned PDFs, the user is generally unable to search electronically across the text because the PDF is actually a collection of images.

Recording, UI Interactions, and Advanced Citrix Automation

Basic Recorder

used to automate single actions in desktop applications

Data Scraping

in UiPath Studio allows us to easily extract structured data from a browser, application, or document.

Desktop Recorder

used to automate multiple actions in desktop applications

Google Tesseract OCR

method to get better results for character recognition on smaller size areas and supports color inversion. It offers multiple customization options through filters that can be used to select only specific categories of characters.

Image Recorder

used to automate actions in virtual environments or SAP

Microsoft OCR

This method is used to work with Microsoft fonts and on larger size areas. It supports multiple languages.

Native Citrix Recorder

is the equivalent of the Desktop recorder for Citrix environments.

Screen Scraping

is the process of extracting data from a specified UI element or document, such as a pdf file.

Web Recorder

used to automate actions in web applications or browsers

Email Automation

IMAP(Internet Message Access Protocol)

it offers useful features to mark messages as read or move them between folders.

Microsoft Exchange

it is a Microsoft enterprise email solution. It sends and receives emails.

Microsoft Outlook

is a personal information manager from Microsoft (information-sharing platform). It sends and receives emails

POP3(Post Office Protocol)

is a Protocol for reading message.

SMTP(Simple Mail Transfer Protocol)

mail servers and other mail transfer agents use the SMTP protocol to send mail messages.

Selectors

Business Exception

The exception that occurs in a business process is called a business exception. The exception is dependent on the type of business. When an exception is caused due to the current working structure, it is termed as a business exception.

Debugging

The process of identifying error or bug in the running software or Robot.

System Exception

Every business process that we automate requires different applications and tools such as Microsoft Office, SAP ERP, CRM, Oracle, and many more. When the normal flow of the automation process is disrupted or stopped due to the failure of the system, this is called system exception.

Introduction to Orchestrator

Assets

uses a variable or an argument as a property for the attribute of the target tag

Environment

it offers useful features to mark messages as read or move them between folders.

Job

it is a Microsoft enterprise email solution. It sends and receives emails.

Library

are tags and attributes of an element in an application. They help UiPath Robots identify which buttons, drop-down lists, and other UI elements to interact with.

Queue

it offers useful features to mark messages as read or move them between folders.

Standard Machine

it is a Microsoft enterprise email solution. It sends and receives emails.

Storage buckets

is a tool that shows all the options for attributes and values, the structure of the element, and other elements on screen.

Template Machine

it offers useful features to mark messages as read or move them between folders.

Triggers

it is a Microsoft enterprise email solution. It sends and receives emails.

UiPath Orchestrator

it offers useful features to mark messages as read or move them between folders.

UiPath Robot

it is a Microsoft enterprise email solution. It sends and receives emails.

Notes: