

Introduction To UiPath



Topics For Today's Class





What Is RPA?

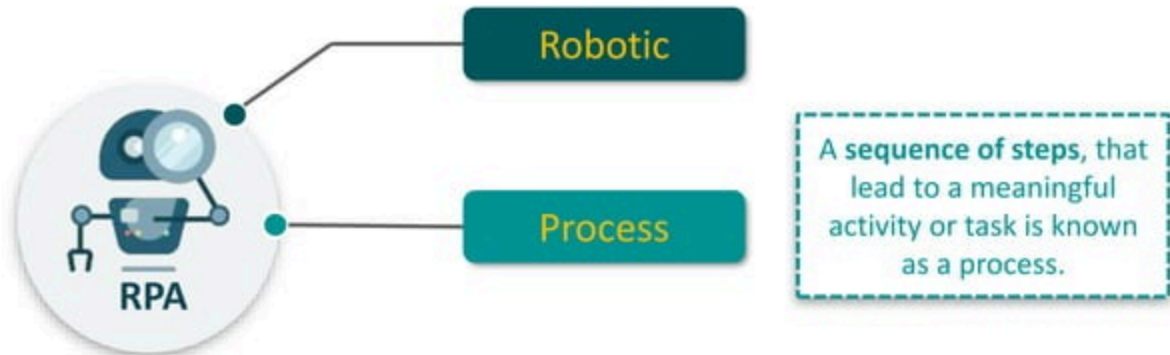
What Is RPA?

Robotic

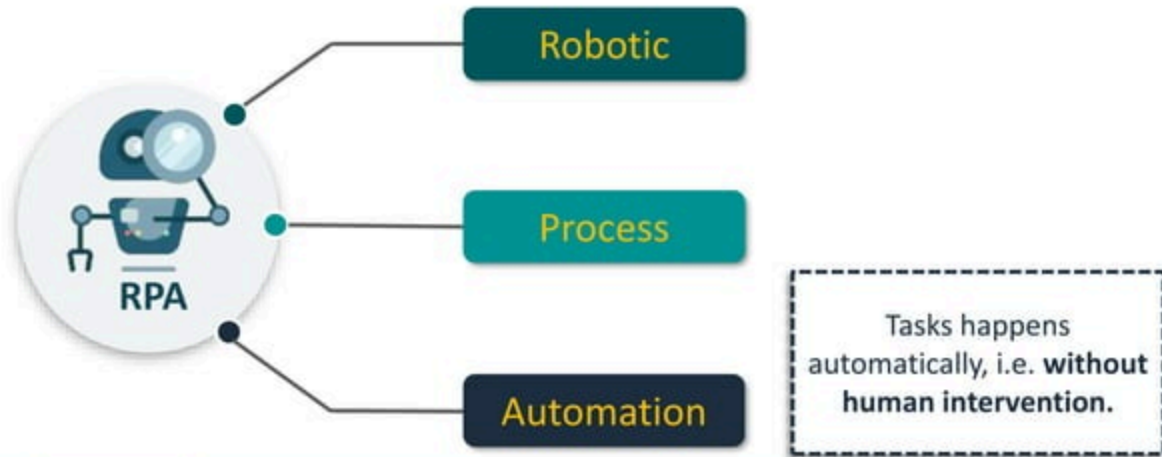
An entity which has the capability to **mimic the human actions.**



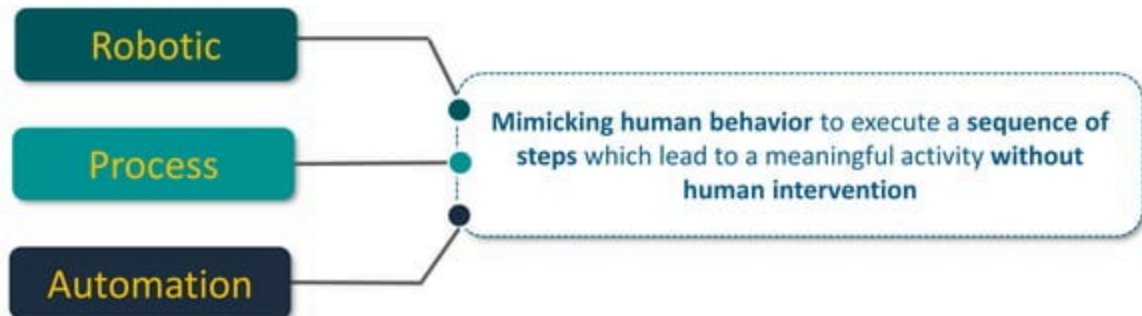
What Is RPA?



What Is RPA?



RPA Summary





RPA Tools

RPA Tools

blueprism



UiPath

 **WorkFusion**
Intelligent Automation





Why UiPath?

Comparison Between Top Tools


Features	UiPath	Blue Prism	Automation Anywhere
How will I practice?	Has a Community Edition/ Free Edition Available	No trial version available, have to purchase this tool to learn	Trial Version available, but expires after 30 days.
Learning Curve	Has a user friendly visual designer, hence easy to learn and implement	Has a visual designer, easier than Automation Anywhere	Developer Friendly- Requires Higher programming skills
Google Trends Popularity	Most Popular tool	More Popular than Automation Anywhere	Least Popular of the three



How To Install UiPath

Installing UiPath

Go to the following link: <https://www.uipath.com/community>

A promotional banner for UiPath Community Edition. The top half features a dark background with vibrant, multi-colored diagonal streaks in shades of orange, red, and blue. The text 'Community Edition' is centered in a large, white, sans-serif font. Below it, in a smaller white font, is the phrase 'Get robots on the job and auto pilot your tasks'. The bottom half of the banner has a white background with the text 'Free, fully featured and extensible. A tool that works for you.' in a bold, black, sans-serif font. At the bottom center is an orange rectangular button with the text 'GET COMMUNITY EDITION' in white. A red arrow points from the right side towards this button.

Community Edition

Get robots on the job and auto pilot your tasks

**Free, fully featured and extensible.
A tool that works for you.**

GET COMMUNITY EDITION

Installing UiPath

Fill in the details to register, and click on Request Community Edition

For individuals and small professional teams.

First Name*

Hemant

Last Name*

Sharma

Email*

hemant@edureka.co

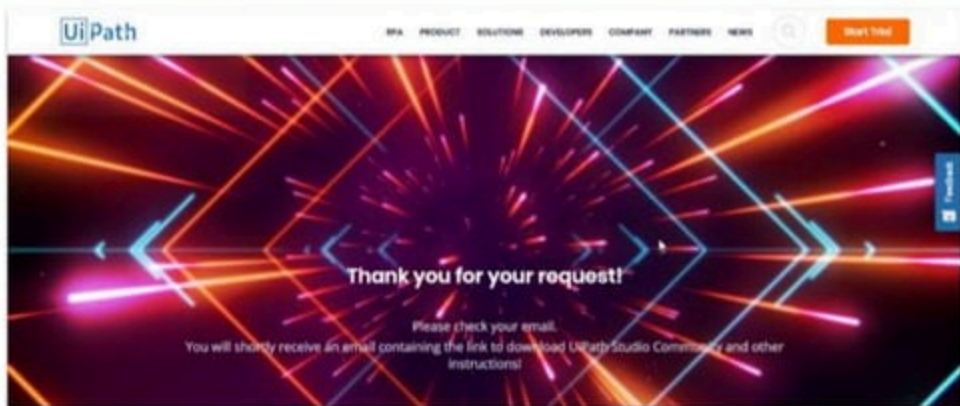
Twitter User

Example: @upath

REQUEST COMMUNITY EDITION

Installing UiPath

Open your registered email, to get the instructions to download UiPath



Installing UiPath

Double Click, on the downloaded file



Installing UiPath

Setup will initialize, and in a few moments UiPath tool will open



Robotic Process Automation

Installing UiPath

Enter the email address, with which you registered and click on Activate



The image shows the 'UiPath Studio' registration window. It has a title bar with the 'UiPath Studio' text and standard window controls. The main content area is titled 'UiPath Registration' with the instruction 'Please enter the registration information'. The 'UiPath' logo is in the top right corner. There are two input fields: 'Email Address' and 'Device ID'. Below these fields are two radio button options. The first option, 'Automatic activation (recommended)', is selected and includes the text 'The activation process requires active Internet connection and usually takes a few seconds'. The second option, 'Manual activation (not available for Community Edition)', includes the text 'Use this option if the automatic activation failed or when no Internet connection is available'. At the bottom of the window, there are three buttons: 'Help', '< Back', and 'Activate'. A red arrow points to the 'Activate' button, which is also highlighted with a red rectangular border.

UiPath Studio

UiPath Registration
Please enter the registration information

Email Address

Device ID

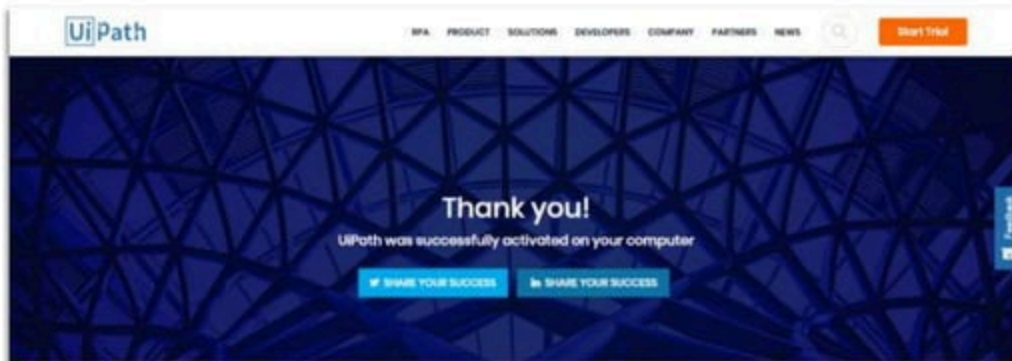
☒ Automatic activation (recommended)
The activation process requires active Internet connection and usually takes a few seconds

☐ Manual activation (not available for Community Edition)
Use this option if the automatic activation failed or when no Internet connection is available

Help < Back Activate

Installing UiPath

Once installed, you will get this acknowledgement page stating the successful installation





Getting Started With UiPath

Key Concepts Of UiPath



Activities

Sequence

Key Concepts Of UiPath



Activities

An activity is the smallest action in UiPath.
For example: clicking the right button on mouse

Key Concepts Of UiPath



A sequence is a series of activities, that
does a meaningful task.
For example: logging into your mail

Sequence



Type of Projects in UiPath Studio

Types of Projects



Blank



Simple Process



Agent Process Improvement



Robotic Enterprise Framework



A **blank project** is a clean slate, you can build your projects from scratch over here.

Types of Projects



Blank



Simple Process



Agent Process Improvement



Robotic Enterprise Framework



Simple Process basically gives us a **template of a flowchart** i.e. a diagram of sequence of activities.

Types of Projects



Blank



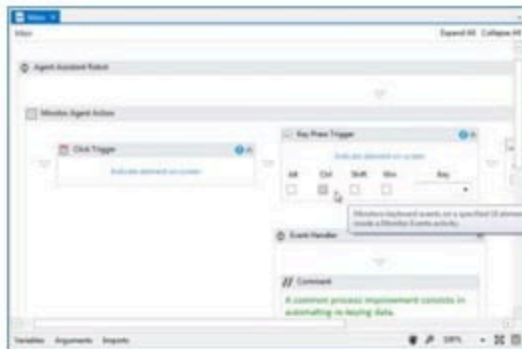
Simple Process



Agent Process Improvement



Robotic Enterprise Framework



Agent Process Improvement assists the user by automating the tasks.

Types of Projects



Blank



Simple Process



Agent Process Improvement



Robotic Enterprise Framework



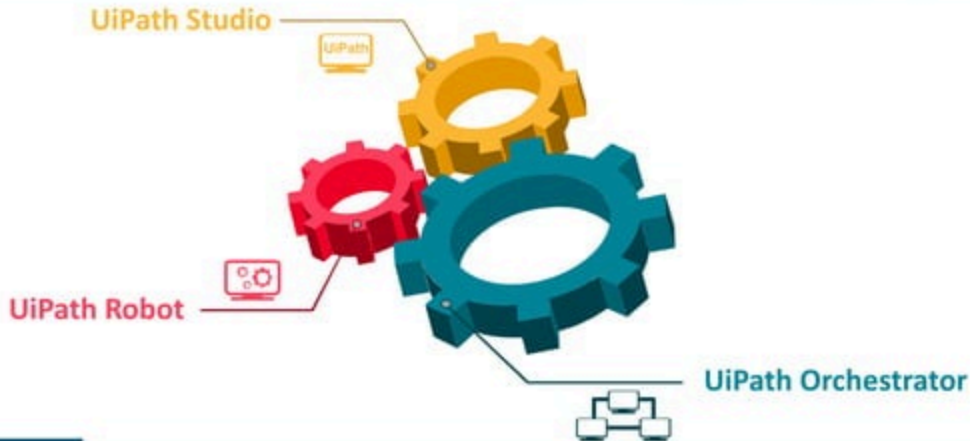
Robotic Enterprise Framework is used to define states in a project, which are useful in business processes.



UiPath Components

UiPath Platform Components

UiPath Platform consists of three main components



UiPath Platform Components – Studio

UiPath Studio

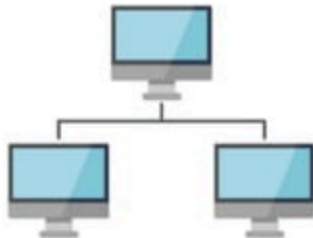
An advanced tool that enables you to design automation processes in a visual manner, using drag-and-drop functionality



UiPath Robot



UiPath Orchestrator



UiPath Platform Components – Robot

UiPath Studio

An advanced tool that enables you to design automation processes in a visual manner, using drag-and-drop functionality

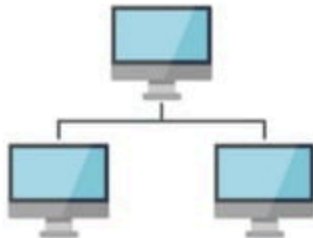


UiPath Robot

Robot executes the processes built in Studio, just like humans



UiPath Orchestrator



UiPath Platform Components – Orchestrator

UiPath Studio

An advanced tool that enables you to design automation processes in a visual manner, using drag-and-drop functionality



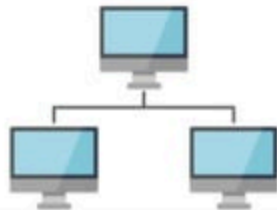
UiPath Robot

Robot executes the processes built in Studio, just like humans



UiPath Orchestrator

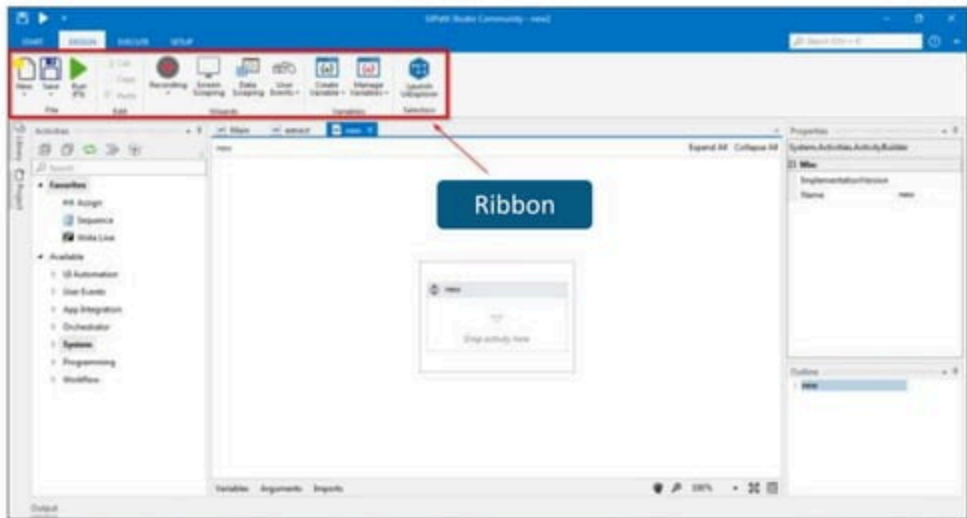
Orchestrator is a web application that enables us to deploy, schedule, monitor and manage Robots and Processes






UiPath Studio Components

UiPath - Ribbon



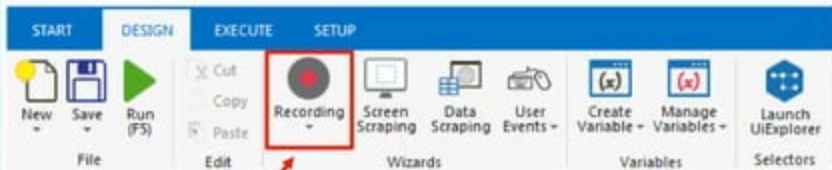
UiPath – Ribbon Components

 Recording

 Scraping


 User Events

 Variables



UiPath's Recorder allows users to record UI mouse movements and keyboard activities to generate automation scripts.

UiPath – Ribbon Components

 Recording

 Scraping


 User Events

 Variables



Scraping made easy with Screen Scraping and Data Scraping

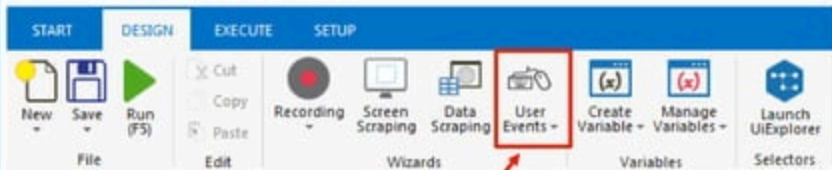
UiPath – Ribbon Components

 Recording

 Scraping


 User Events

 Variables



Captures User Events for eg. Mouse Click, Keypress etc.

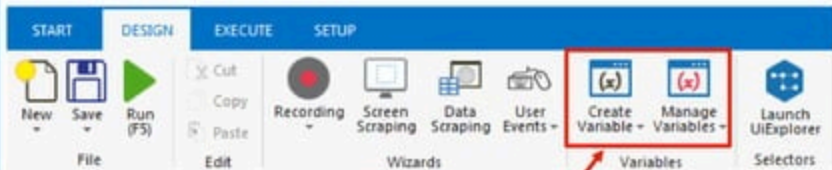
UiPath – Ribbon Components

 Recording

 Scraping

 User Events

 Variables



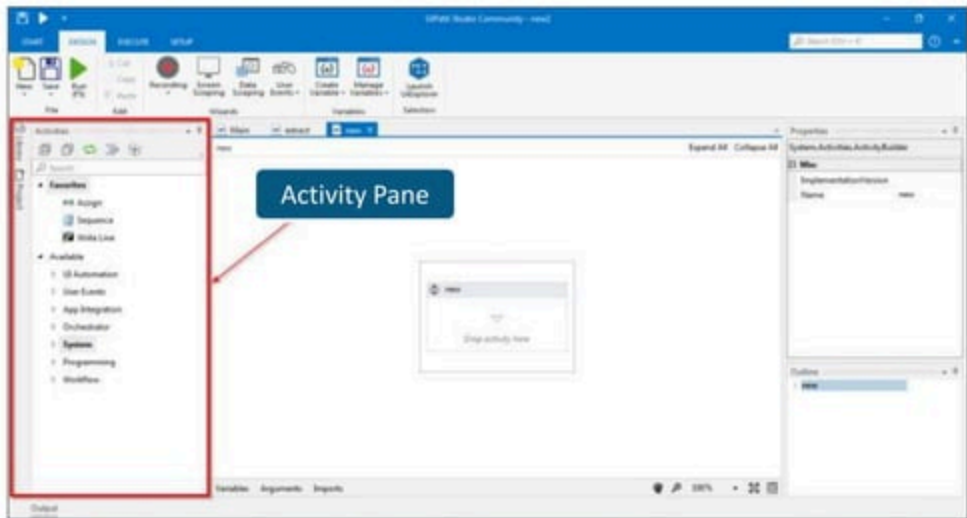
Create and Manage Variables with these Tools

UiPath – Ribbon Components



Create New Files
In Your Project

UiPath – Activity Pane



UiPath – Activity Pane Components

UI Automation



UiPath – Activity Pane Components

UI Automation



User Events

UiPath – Activity Pane Components

UI Automation

Orchestrator



User Events

UiPath – Activity Pane Components

UI Automation

Orchestrator



User Events

System

UiPath – Activity Pane Components

UI Automation

Orchestrator

Programming



User Events

System

UiPath – Activity Pane Components

UI Automation

Orchestrator

Programming

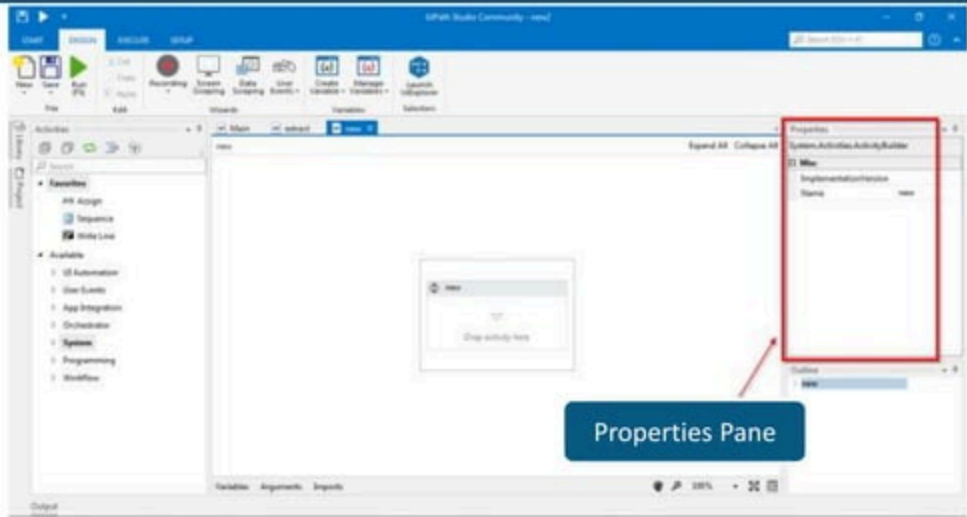


User Events

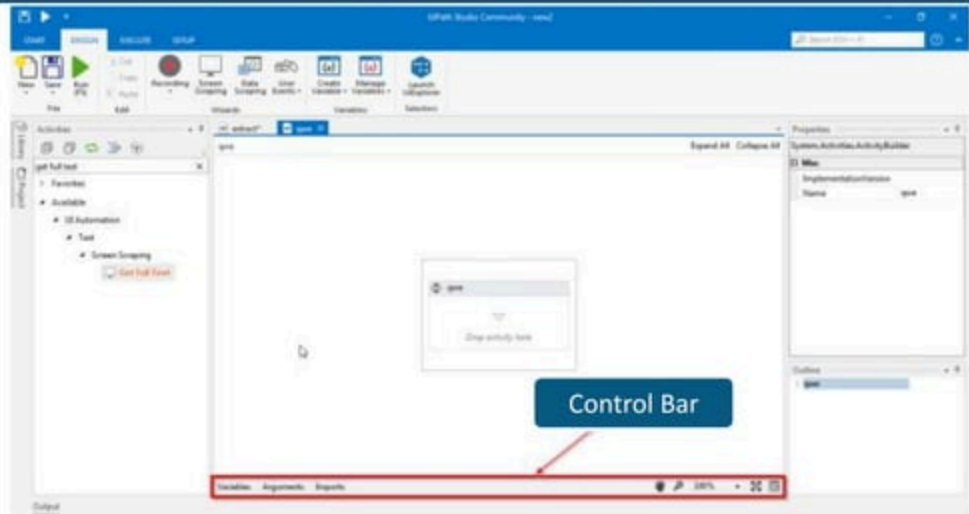
System

Workflow

UiPath – Properties Pane Components



UiPath – Control Pane Components



Thank You



For more information please visit our website
www.edureka.co