



UiPath Tutorial for RPA Aspirants

Introduction

Embarking on your personal path as an RPA (Robotic Process Automation) hopeful may be a lot like finding yourself in a maze of technical terms. It is not uncommon for a new RPA enthusiast to become frustrated with UiPath's complicated UI, feel lost in working with dynamic selectors, or have a hard time moving beyond "recording" an application into successfully creating a foolproof application workflow. You may be concerned about needing extensive programming knowledge to effectively deal with mere variables and "human-in-the-loop."

This UiPath tutorial is made to dispel that fog by offering a rational approach to learning automation so that stress is not involved.

Ready to build your first digital workforce? Click here to download our [UiPath course syllabus](#) and kick off your career in automation!

Why Students or Freshers Learn UiPath?

Learning UiPath is an investment by students and freshers who understand and prepare to succeed in the “automation-first” future in 2025. As industries are adopting AI and RPA at a fast pace, here are a few points on why you should consider it:

- **Lower Entry Barrier:** UiPath is described as having “low code.” It uses drag-and-drop functionality that enables you to create complex robots with less emphasis on programming skills in Java or C++.
- **High Market Demand:** With an enormous market share of 35%, thousands of organizations (including IBM, Google, and Cognizant) recruit freshers for the positions of RPA Developer and Automation Analyst.
- **Lucrative Salary Growth:** Starting positions in RPA tend to have salaries 20-30% higher than the normal software testing/support roles, and an easy progression to a Solution Architect.
- **Future-Proof Skills:** Learning UiPath also inculcates skills in Agentic AI and Machine Learning, which is the mainstay of the digital transformation platform.
- **Free Learning Ecosystem:** Through the UiPath Academic Alliance program, students have free access to the Community Edition tools and industry-recognized certifications.

Prepared to nail that first automation interview? Click here to download our [**Ultimate UiPath Interview Questions and Answers**](#) Guide to begin your professional journey!

**Take your Knowledge
Test Report**

Check your Score



Step-by-Step UiPath Tutorial for RPA Aspirants

The age of manual and repetitive tasks is gradually phasing out. As an aspiring RPA (Robotic Process Automation) practitioner, understanding UiPath teaches you how to embark on the journey of creating your own “digital workforce” that can work round the clock with absolute accuracy. This tutorial will guide you on how to create your very first production-level robot.

Part 1. Installation and Laboratory Setup

However, UiPath also offers a “Community Edition” that is free for individual users. This edition comes with all functionality necessary for you to learn or develop sophisticated automation.

Step 1: Sign Up for Automation Cloud

First and foremost,

- Go to UiPath Automation Cloud and sign up for a free account.
- Upon successful login, the Download Studio button should appear on the dashboard.

Step 2: Running the Installer

- Run the .exe file you just downloaded.
- Pick Quick (Recommended for community users). This will install the UiPath Studio, StudioX, and the Assistant components with default settings.
- When asked, choose your **UiPath Studio** profile (StudioX for business users without coding experience, Studio for RPA developers).

Step 3: Installing Browser Extensions

Browser extensions For web page automation, you are required to install UiPath Extension in your favorite browser among Chrome, Edge, and Firefox.

- **UiPath Studio:** Open the Home tab and then select UiPath Extensions in the Tools menu to click Install in your browser.

Part 2. Mastery of Architecture

Before development, it is essential to be familiar with the “Three Pillars” of the UiPath Platform:

- **UiPath Studio:** The area where you design your workflow for automation using activities that are dragged and dropped.
- **UiPath Robot:** This is the execution agent where your workflows will run. The UiPath Robot may be Attended or Unattended. The UiPath Robot can be Attended (where it works along with a human) or it may also be Unattended (where it runs on server).
- **UiPath Orchestrator:** The web-based “Control Tower” that allows you to deploy, schedule, and oversee your robots.

Part 3. Your First Robot: “The Web Searcher”

We will create a robot that opens a browser to search for ‘RPA Jobs’ and shows the result.

Step 1: Create a New Project

- Open the UiPath Studio. Click Process.
- Name it First_RPA_Bot and click Create.

Step 2: The Workflow Logic

Open the Main.xaml file. From the Activities Panel (which would be on the left side of your screen), find the following activities by searching and then drag them to your Designer Panel.

- **Use Browser/Application:** Please list the browser/application used (Eg. Google.com).
- **Type Into:** Click “Indicate on Screen” and choose the Google search bar. In the “Text” property, enter “*RPA Jobs 2026*”.
- **Click:** Refers to the “Google Search” button.
- **Message Box:** “Drag this at the end and type ‘Search Completed Successfully!’.”

Step 3: Running the Bot

Click the Debug or Run button (F5). Watch as the robot takes control of your mouse and keyboard to perform the tasks.

Part 4. Core Concepts for RPA Developers

4.1. Variables and Arguments

- **Variables:** Store data within a single workflow (e.g., a username or a counter).
- **Arguments:** Pass data between different workflow files (Input, Output, or In/Out).

4.2 Selectors (The “Eyes” of the Robot)

A selector is a XML snippet that tells the robot exactly which button or field to interact with.

- **Static Selector:** Looks for an exact match (e.g., title='Google').
- **Dynamic Selector:** Uses variables to find elements that change (e.g., title='{{Variable_Name}}').

4.3. Control Flow

- **If Activity:** Decisions based on conditions.
- **For Each Row in Data Table:** Essential for processing Excel files or database records.

Part 5. Advanced Automation: Data Manipulation

The kinds of tasks that can be robotized with RPA involve working with Excel. Here's how you can deal with:

‘ Example of a simple condition inside an “If” activity

‘ Condition: Check if the transaction amount is greater than 1000

row(“Amount”).ToString.Trim > 1000

To process an Excel sheet:

- **Use:** Excel Process Scope activity.
- Use **Read Range** to read data into a DataTable variable.
- Apply **For Each Row** loops to cycle through each record and undertake operations such as entering data and sending emails.

Part 6. Error Handling (Making Your Bot Robust)

An expert bot should never crash. One uses a Try Catch activity:

- **Try:** Put your main logic here.
- **Catch:** Define what will happen if an error happens (e.g., take a picture).
- **Finally:** Code that executes regardless of what happens (for instance, closing the application).

You've now moved from installation to building a functional automation. The next step is mastering REFramework (Robotic Enterprise Framework), which is the industry standard for building large-scale, professional robots.

Can you build a bot that reads a PDF invoice and enters the data into an Excel sheet?

Click here to access [UiPath Coding Challenges and Expert Solutions](#).

Real Time Examples for UiPath Tutorial for Learners

To become proficient in UiPath, it is imperative to advance beyond dragging activities to tackling actual business bottlenecks in the real world. These scenarios showcase how RPA is able to bridge the gap between various applications to make things automated without human efforts. Here are some practical automated scenarios to help you in your learning path:

Automated Invoice Processing (Data Extraction)

- Finance teams in most corporations spend several hours extracting data from PDFs and accounting systems.
- You can develop a bot that looks out for PDFs in a particular folder, extracts the supplier's name and the amount involved via Optical Character Recognition, and finally keys all this information into an excel sheet.

Customer Support Ticket Routing – Email Automation

- Think of a “Help Desk” handling thousands of emails a day. A bot from UiPath can be trained to filter the inbox to read the keywords in the subject of the email, say “Refund, “Technical, ” or “Bill, ” to route it to the correct subfolder.
- Then it sends an “Auto Response” to the customer, acknowledging the receipt of the message and the time required to resolve it.

Competitor Price Monitoring (Web Scraping)

- E-commerce companies need to compete with each other by monitoring the prices online.
- A bot can be created that will open the browsers and go to various competitors' sites to extract the product name and the latest prices using the Data Scraping tool by storing the data into an organized CSV file.
- This ‘Digital Worker’ can be programmed to run at 8:00 AM each morning using the Orchestrator to provide the sales team with the new data at the start of the day.

You begin as a beginner and, through practicing these scenarios, become an adept at handling data on web, desktop, and email platforms as a developer. Ready to begin building? There's no better way to learn than through practicing what you learned. Take on specific examples of what you learned to understand how errors and dynamic selectors are handled. Click here for access to our [UiPath Automation Project Ideas](#).

FAQs About UiPath Tutorial for Beginners

1. What is the use of UiPath?

UiPath is primarily used for Robotic Process Automation (RPA). It allows organizations to build “software robots” that emulate human actions on digital systems, such as logging into applications, moving files, extracting data from documents, and filling out forms, to automate repetitive, manual tasks at scale.

2. Is UiPath a coding language?

No, UiPath is an automation platform, not a programming language. While it uses a “low-code” drag-and-drop interface for building workflows, it is built on the .NET framework and utilizes VB.NET or C# for advanced logic and custom scripting within the tool.

3. Is UiPath an AI company?

Yes, as of 2025, UiPath has transitioned into a leader in Agentic AI and automation. Their platform integrates Generative AI, machine learning, and NLP (Natural Language Processing) to create “AI Agents” that can reason, adapt, and handle unstructured data rather than just following fixed rules.

4. Is UiPath difficult to learn?

No, it is considered very beginner-friendly. Because it uses a visual, flow-chart-based design interface, you can build basic robots without writing any code. However, mastering advanced concepts like REFramework or complex selectors requires a more technical understanding of logic and variables.

5. Who is the CEO of UiPath?

The CEO and founder of UiPath is Daniel Dines. He started the company in 2005 in Bucharest, Romania. Under his leadership, UiPath has evolved from a small startup into a global powerhouse listed on the New York Stock Exchange (NYSE: PATH).

6. Can I use Python in UiPath?

Yes. UiPath has a dedicated Python Activities Package. You can use the “Python Scope” activity to load Python scripts, invoke specific methods, and pass data between your Python code and your UiPath robot, making it perfect for complex data science or custom integration tasks.

7. Does Google use UiPath?

While Google has its own automation tools, it is a significant Build Partner with UiPath. Many enterprises use the UiPath platform to automate Google Workspace (Sheets, Drive, Gmail) and Google Cloud infrastructure. Google and UiPath also collaborate on AI initiatives like Gemini integration.

8. Is UiPath still in demand?

Absolutely. In 2025, demand is surging as companies move from basic RPA to AI-powered automation. UiPath recently joined the S&P MidCap 400, and the market for RPA and agentic automation is projected to continue growing as businesses seek to reduce operational costs and errors. Explore [UiPath professionals' Salary for Freshers](#).

9. Who is UiPath's biggest competitor?

UiPath's primary competitors are Microsoft Power Automate, Automation Anywhere, and SS&C Blue Prism. Microsoft is a major rival due to its native integration with Windows and Office 365, while Automation Anywhere is often preferred for cloud-native enterprise deployments.

10. Is UiPath a good career option?

Yes, it is an excellent career path. In 2025, salaries for RPA Developers and Solution Architects remain highly competitive, often ranging from \$95,000 to \$140,000 in the US. The field offers high job security as companies continue to prioritize digital transformation and AI integration.

Conclusion

Mastering UiPath is your gateway to the “Automation First” era. By transitioning from manual workflows to a digital workforce, you’ve gained the skills to eliminate errors and unlock massive organizational efficiency. Whether you are building simple sequences or complex enterprise-level bots, your ability to orchestrate AI and RPA is now a career-defining asset. The journey from aspirant to expert is built on continuous practice and staying ahead of the automation curve. Enroll in our [Advanced UiPath Certification Course in Chennai](#) and lead the future of intelligent automation today!