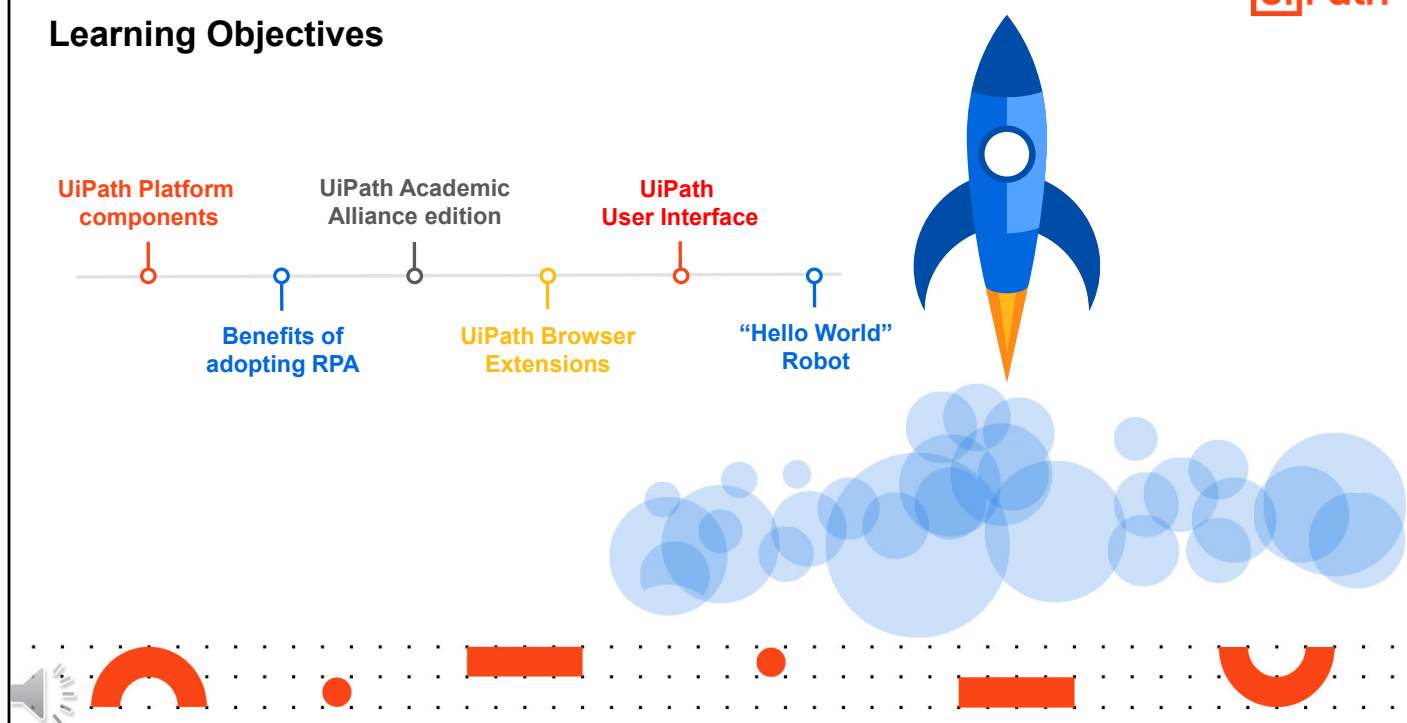
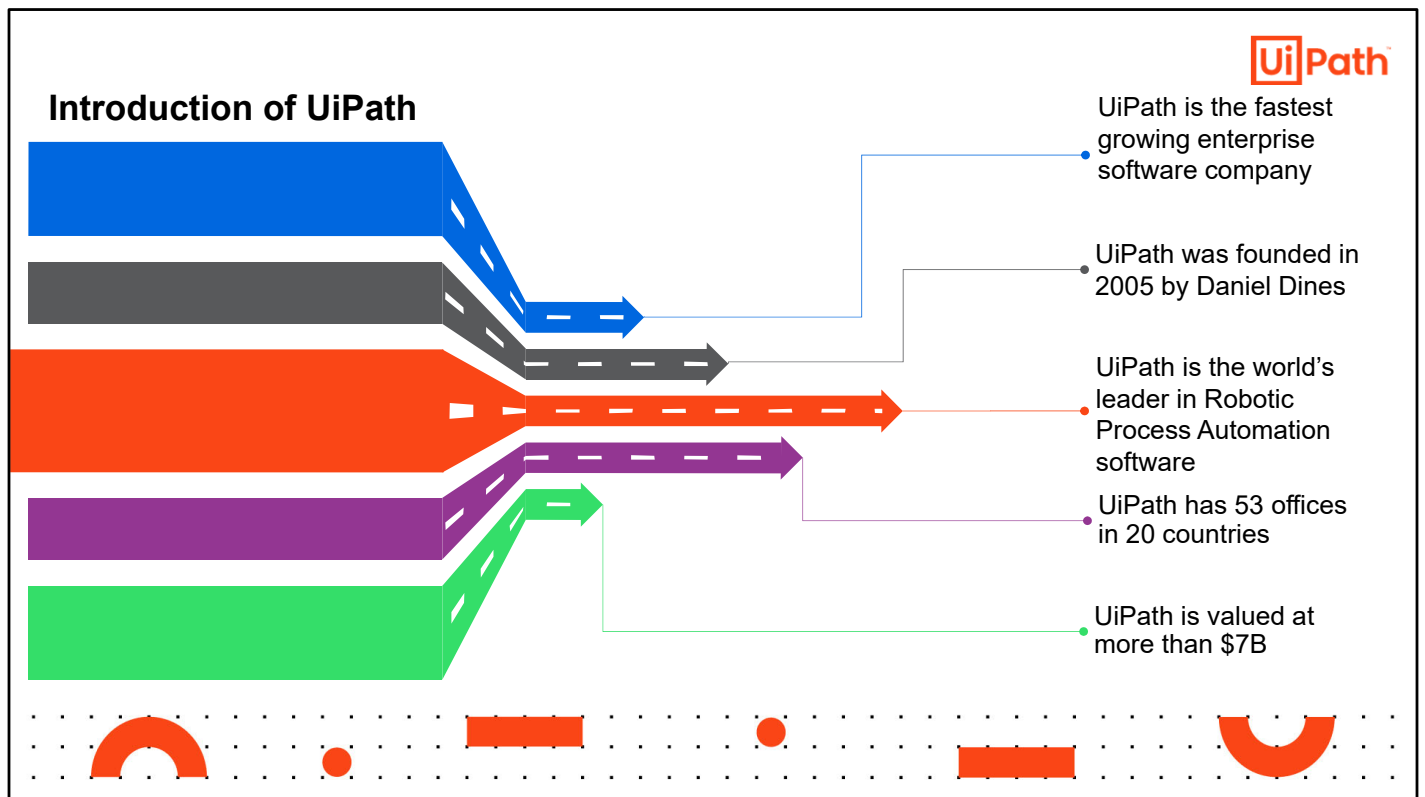


Learning Objectives



Hello and Welcome back to Step into RPA course! By the end of this section, you should be able to:

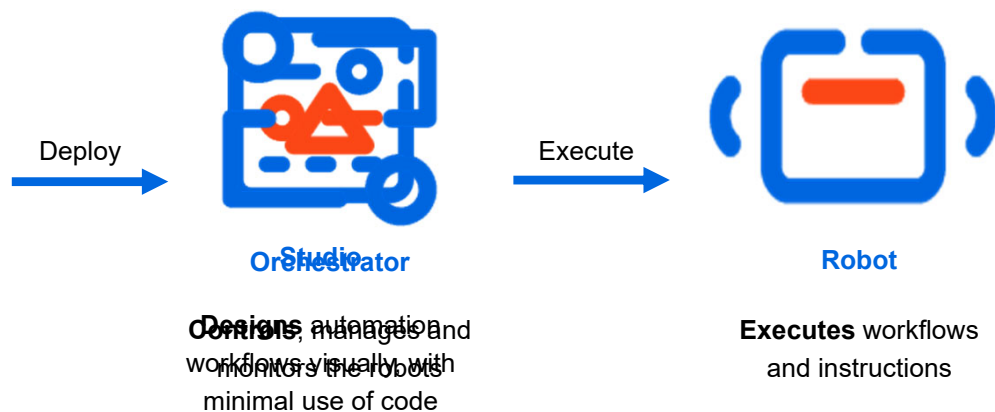
- Describe the UiPath platform components
- List of benefits to adopting RPA
- Install UiPath Academic Alliance edition
- Install UiPath browser extensions
- Describe UiPath user interface
- Create your first “Hello World” Robot



Let's start with an Introduction of UiPath. UiPath is the fastest growing software enterprise company in history. It was founded by Daniel Dines in 2005 in Bucharest, Romania. The company is the world's leader in Robotic Process Automation software. It has 53 offices in 20 countries. 50% of the top 50 Global Fortune 500 companies are UiPath customers. It has received about \$1B in funding and is currently valued at more than \$7B

UiPath components

The basic components of UiPath are:



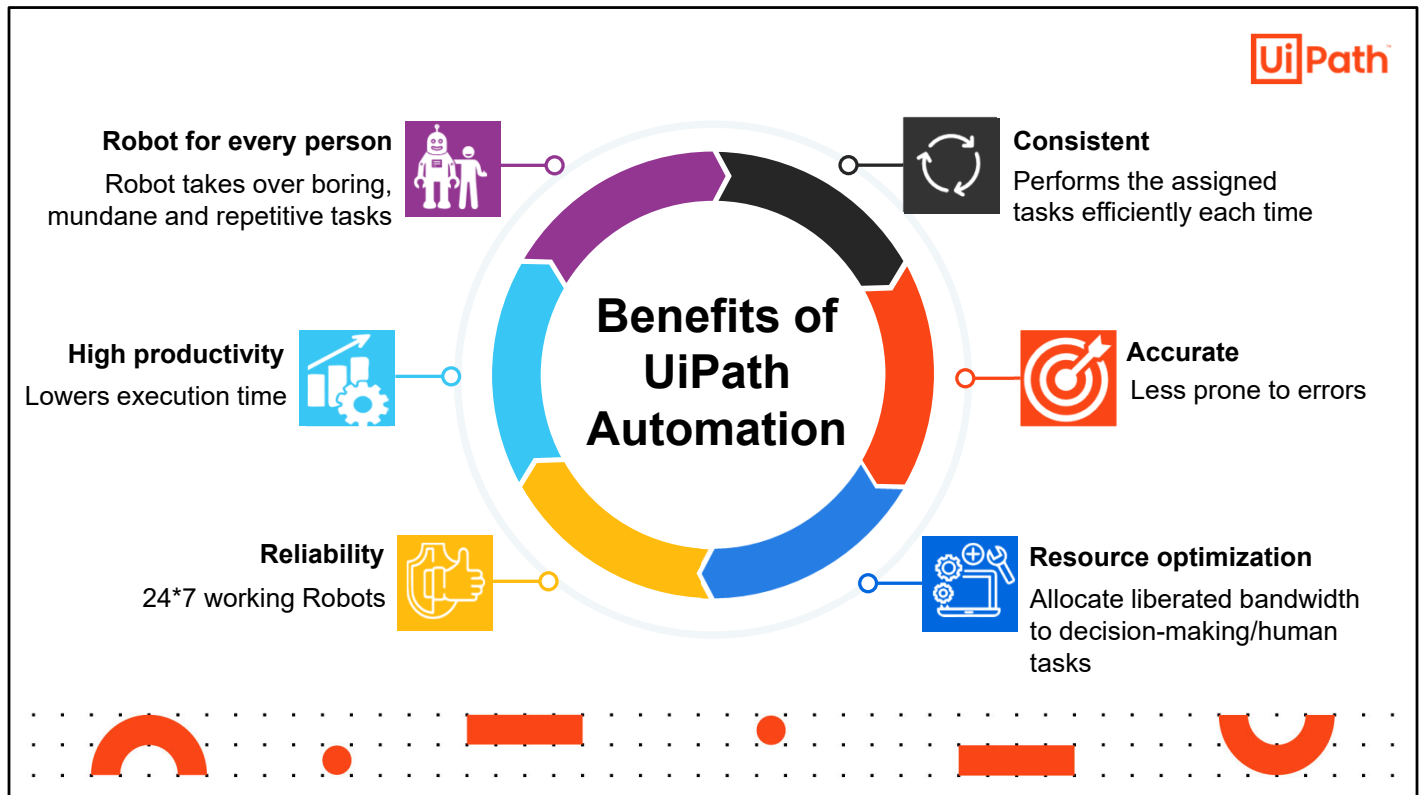
The basic structure of UiPath has three components: Studio, Orchestrator, and Robots. Let's discuss each in detail:

The **Studio** is where the automated processes are built in a visual manner, using the built-in recorder, drag & drop widgets, and best-practice templates.

The **Orchestrator** is a server application that can be accessed through a browser, for example, Google Chrome. With the help of Orchestrator, you can control, manage, and monitor the robotic workforce.

The **Robots** execute the workflows, steps, and instructions transmitted by the Orchestrator or the code which we have generated. Robots are of two types: Attended and Unattended robots.

Attended Robots operate alongside a human and are triggered by user events. These robots work on the same workstation or computer as a human worker. Unattended Robots operate without any human intervention in virtual environments. This type of robot can automate any number of processes efficiently. Tasks to unattended Robots are assigned through Orchestrator and they work 24X7.



Benefits of UiPath Automation:

When you create your first Robot, you will realize how it not just liberates you from monotonous tasks but also saves time and increases your productivity. Let us look at the benefits of UiPath Automation for people, businesses, and people at businesses.

1. Robot for every person:

With UiPath anyone can create Robots that can take over the repetitive, rule-based, time-consuming tasks, thereby saving time, which can be used for other more meaningful and productive work. As a result, the nature of work is undergoing a fundamental shift. Increasingly more workers shall have their own Robots for completing a portion of their tasks. This combination of Human and Robot will transform the global economy in the next few years. UiPath has the vision of equipping every person on this planet with a Robot.

2. Higher Productivity:

With a portion of your tasks being completed by a Robot, you can better plan and leverage resources available to you. This will lead to enhanced productivity.

3. Reliability:

Robots, unlike humans, do not get tired or bored. Once deployed they can continuously work with the same accuracy and precision. They are highly reliable.

4. Consistent:

Robots are highly consistent as they perform the assigned tasks efficiently each time, every time.

5. Accurate:

Robots execute tasks based on pre-defined rules. They are highly accurate and precise in operations.

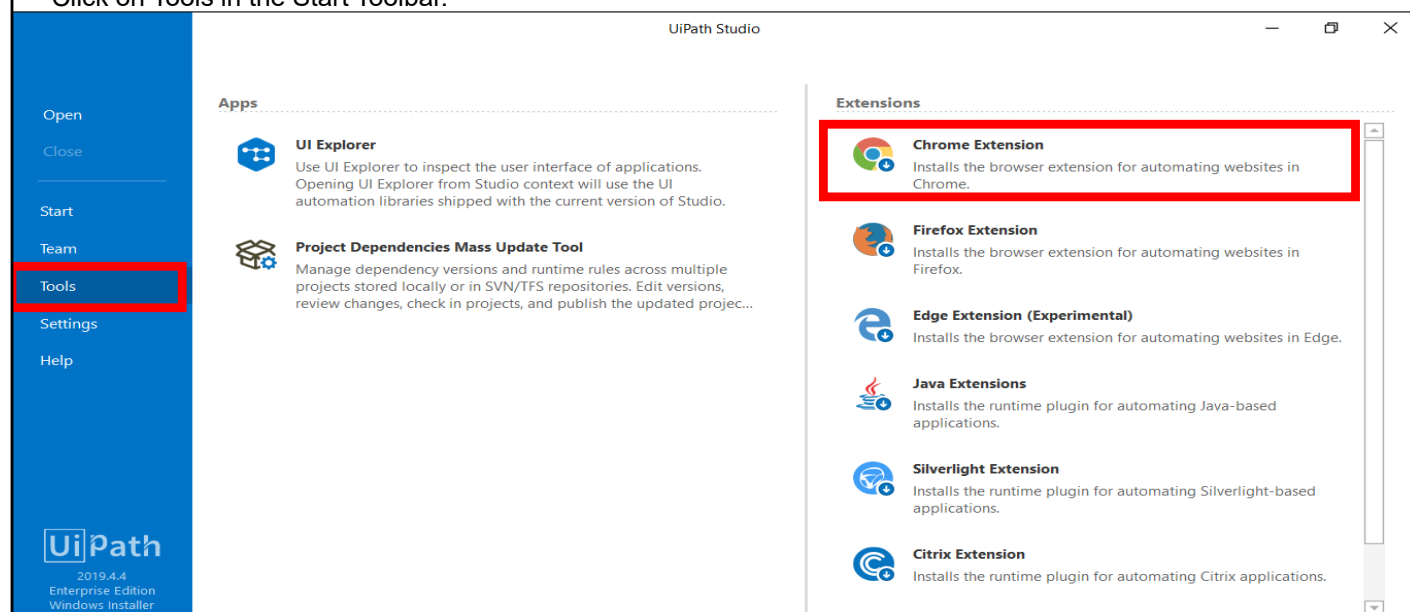
6. Resource Optimization:

A robot can quickly execute lots of tasks in a short span of time which helps to allocate liberated bandwidth of available resources to more meaningful and productive tasks. This leads to optimal usage of resources as

well as Resources optimization.

Installing the Browser Extensions

Click on Tools in the Start Toolbar.



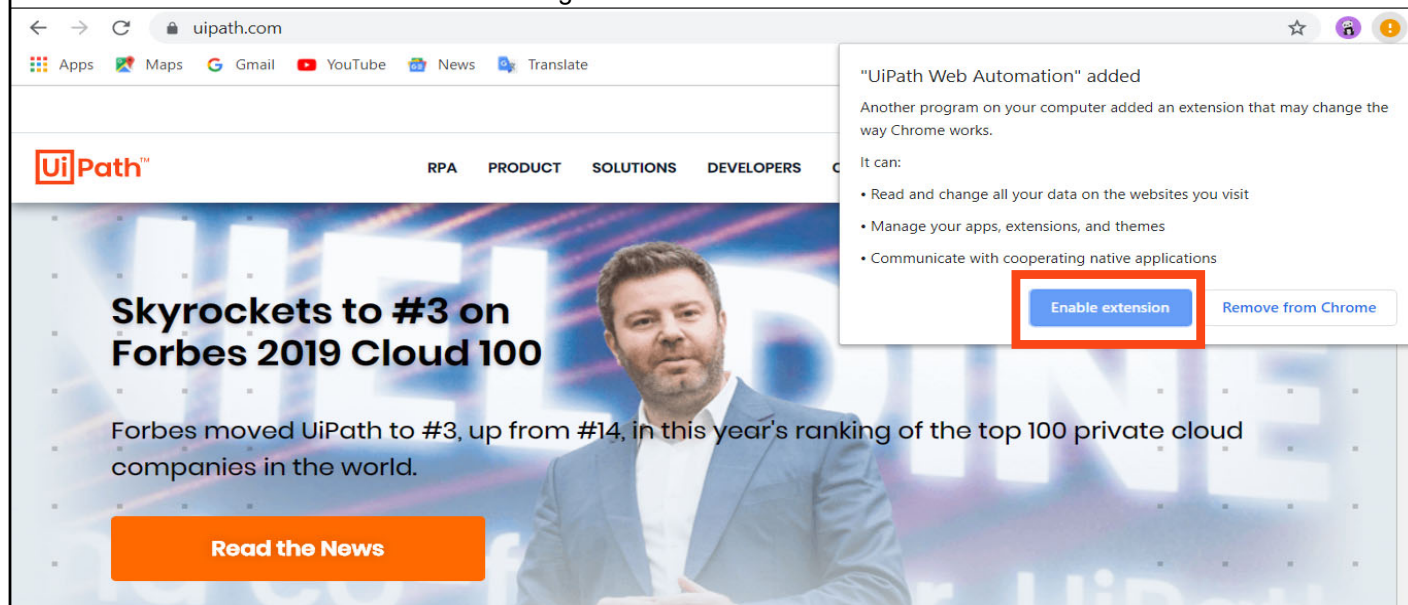
The next step is to install browser extensions. This will enable you to automate web applications.

We will learn how to install Chrome extension and firefox extension.

For installing chrome extension, Open UiPath studio, click on “Tools” in the Start toolbar and click on “Chrome Extension” button under Extensions.

Installing the Browser Extensions: Chrome

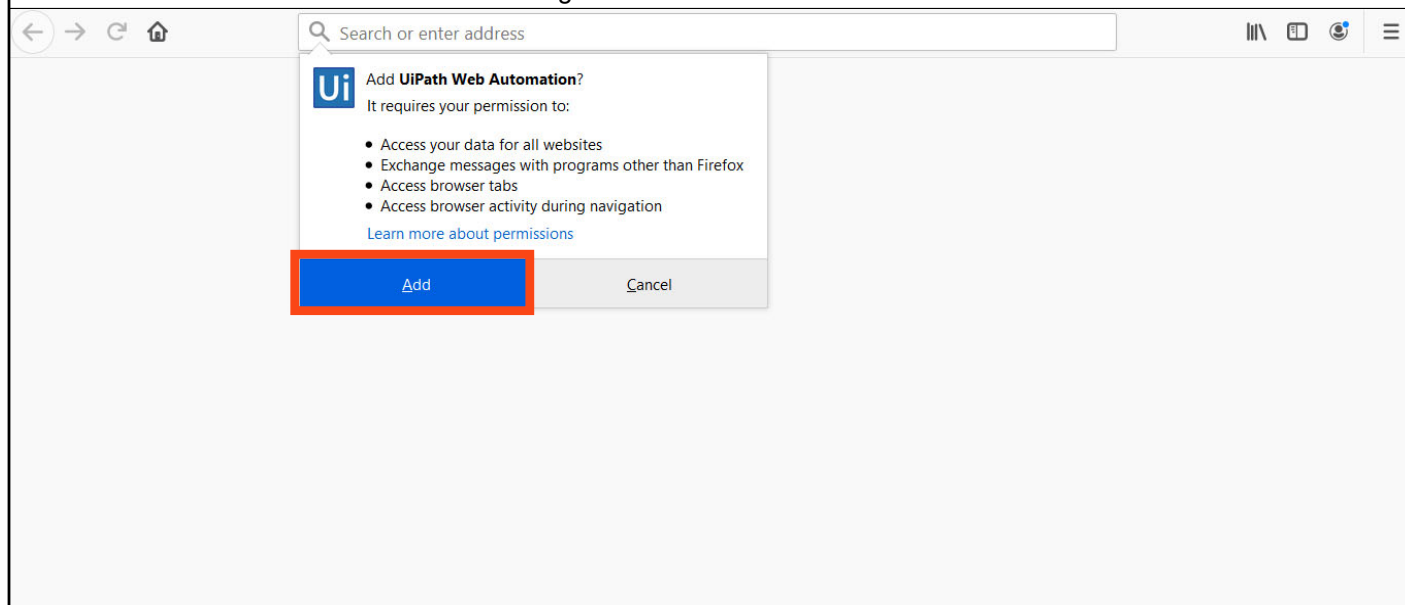
Installs the browser extension for automating the websites in Chrome.



Now open the Chrome browser and click on the notification as shown on the screen. you will get a prompt, click on "Enable extension" button and installation of the Chrome extension is complete.

Installing the Browser Extensions: Firefox

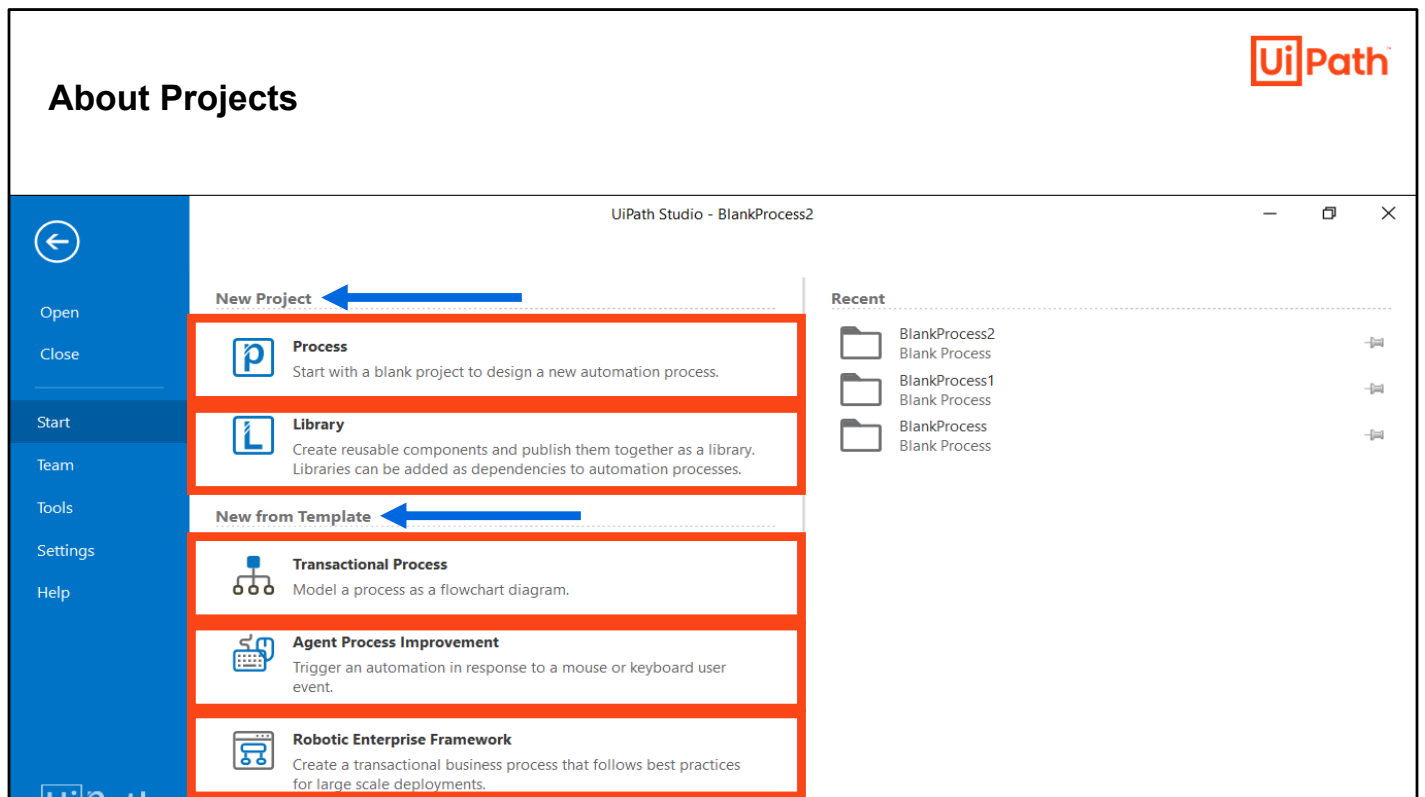
Installs the browser extension for automating websites in Firefox.



For installing Firefox extension, Open UiPath studio, click on “Tools” in the Start toolbar and click on “Firefox Extension” button under Extensions. Mozilla firefox opens up, and a confirmation pop-up is displayed. Click the “Add” button and click on “OK” to confirm. This completes the installation of UiPath Firefox extension.

You don’t need to install UiPath Internet explorer extension as UiPath by default is compatible with Internet explorer.

These extensions enable UiPath to read, change, and manage various activities in the browser.



New Project has two options: Process and Library

A. Process section is used to develop simple robots. You will use this frequently and also in developing your first Robot.

B. Library section helps you create reusable components and publish them together as a library. Libraries can be added as dependencies to automation processes.

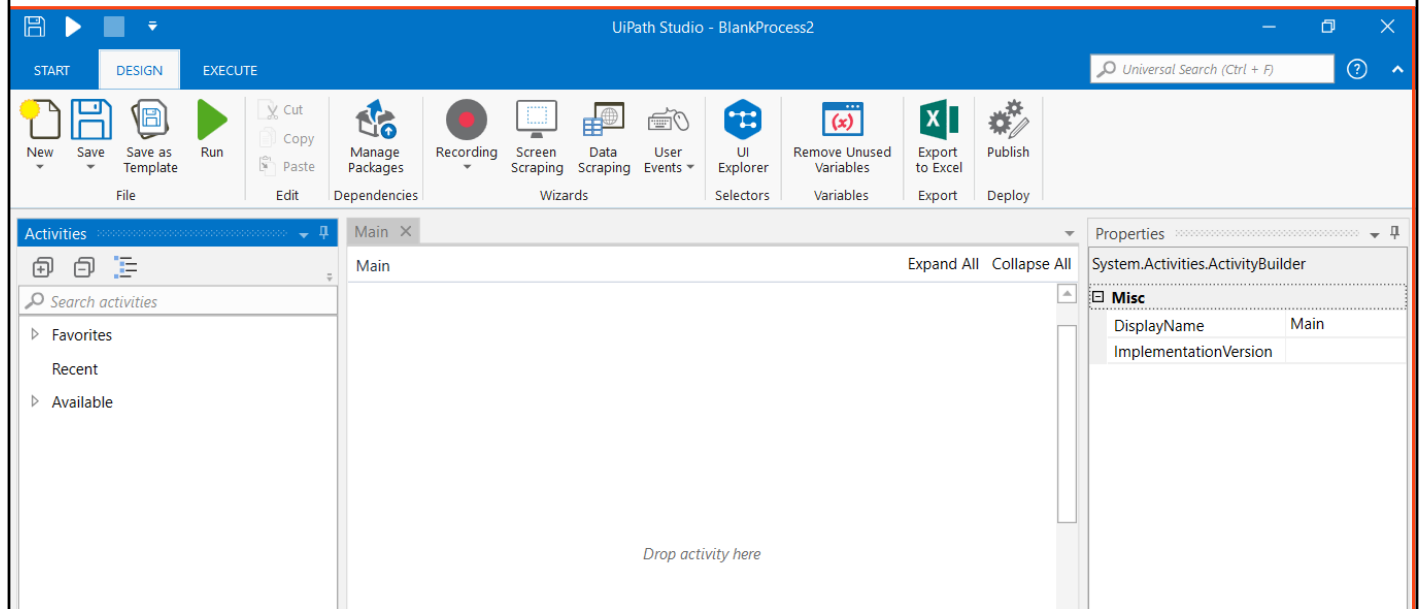
New from Template has three sections:

A. Transactional process. These templates create a transactional process. They are used by Enterprises to create enterprise-level robots. Enterprise-level robots can perform multiple tasks like logging, error handling, etc. These templates provide basic building blocks for a developer to start creating automation. With Transactional process a builder can model a process as a flowchart.

B. Agent process improvement where you can trigger automation in response to a mouse or keyboard user event.

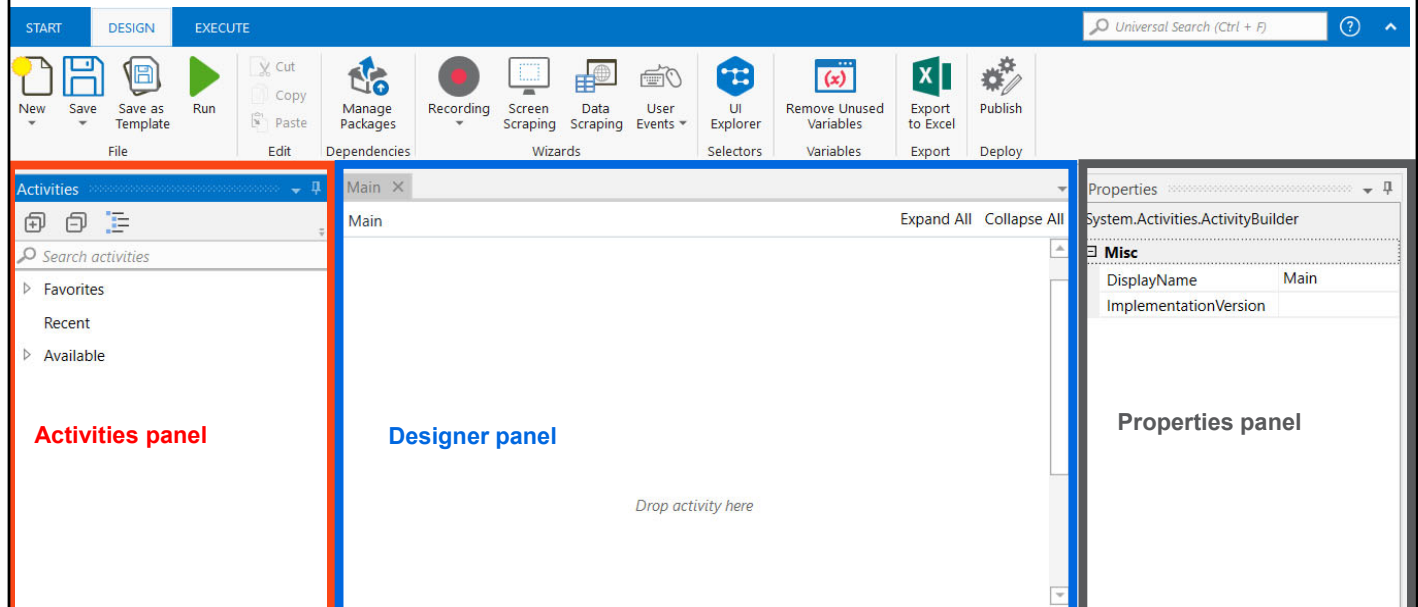
C. Robotic Enterprise framework where you can create a transactional business process that follows the best practices for large scale deployments.

The User Interface



Once you have opened or created a project, you come to the main screen of UiPath studio. This is the real workplace where you will create Robots. You can see lots of buttons and panels. We will discuss each of these in the next few minutes.

About Panels



Lets look at the three main panels in UiPath Studio:

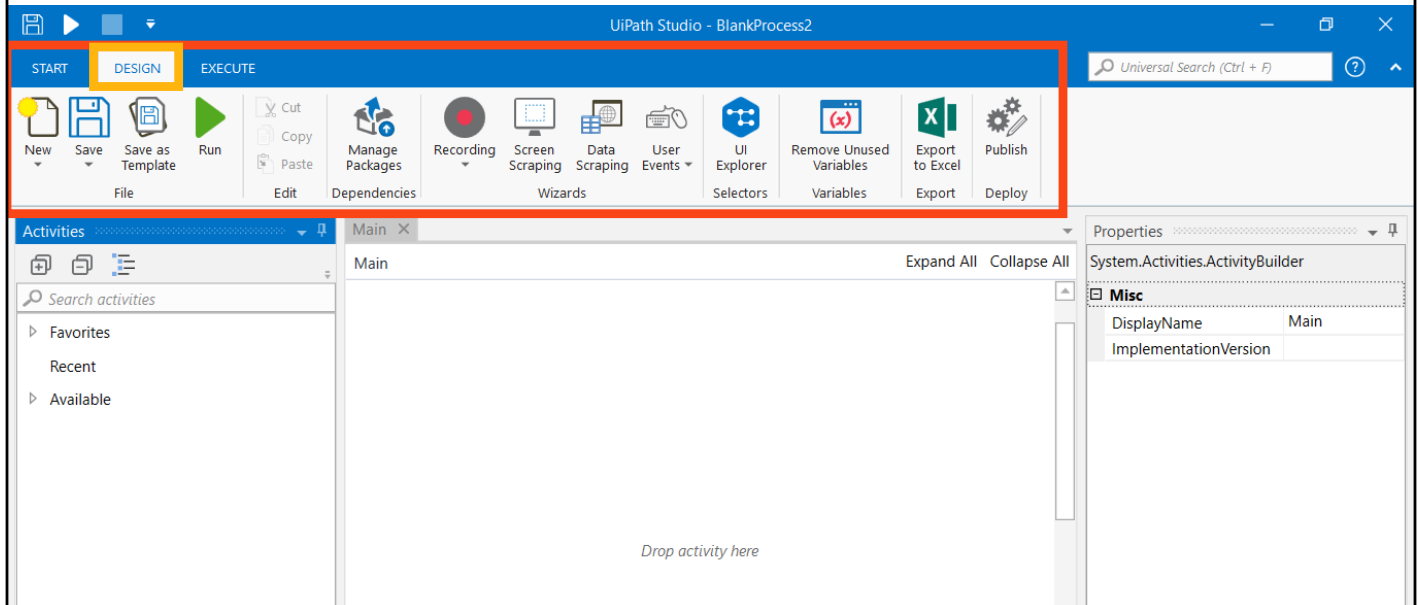
Activities Panel contains activities corresponding to most of the actions that a user can take on a computer which are click, open, type and read. You may search in the activities, the action you want to perform on application. For example if you want to type into a text box you may search “Type” and you get that activity. If you want to read something from a file you should search “Read” and you will get multiple read options to choose from. If you want to click on the button you search “click”. Once you get the “Click” activity or other activities in this panel and you can drag drop them on designer panel to perform the actions.

Designer Panel is the largest area in the middle of the screen. This is where the automations are actually built. Once the business processes have been mapped and split into simple operations, they are converted into workflows and built in the designer panel as automation projects.

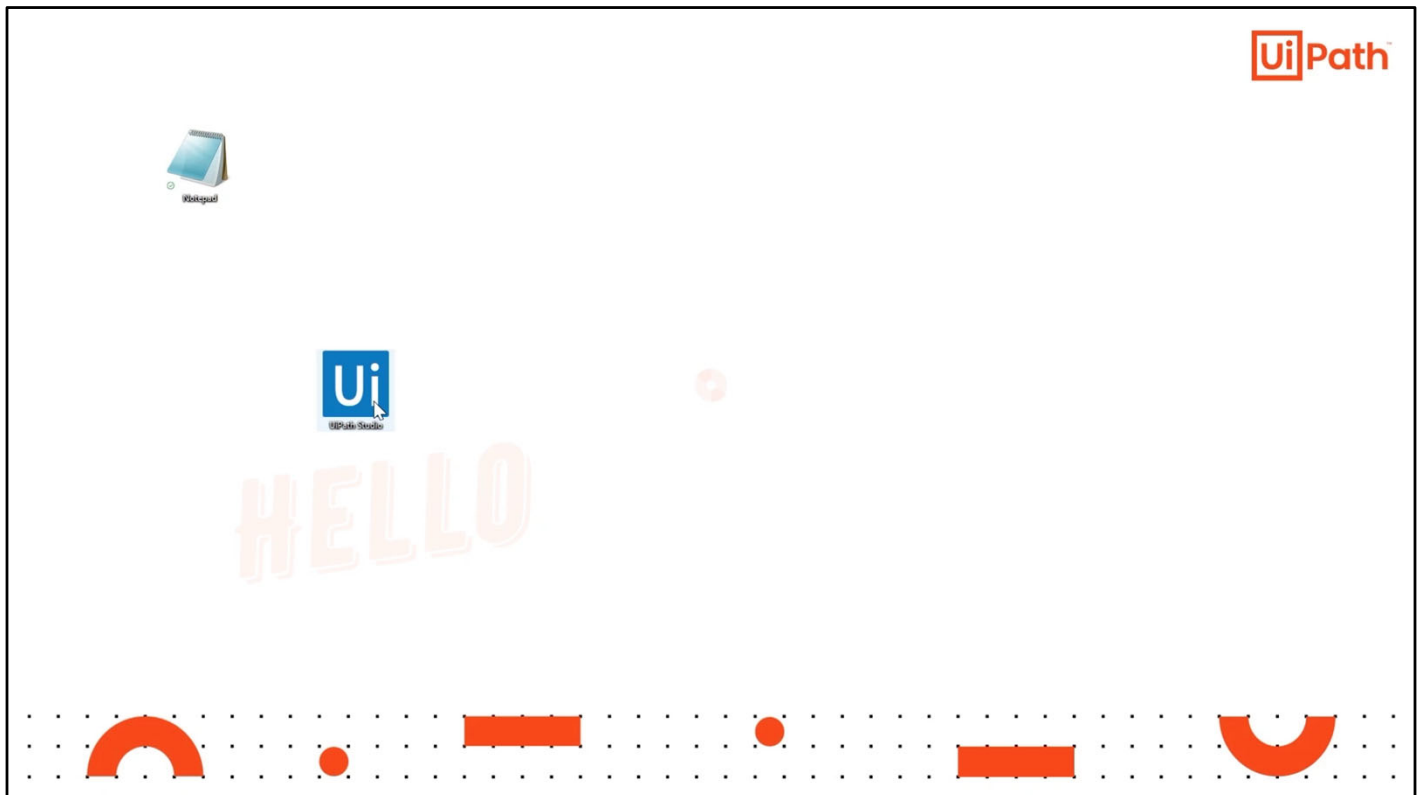
The Properties Panel displays all related properties of the activities and selected items. You can view and modify the properties as per your requirement. So for example if you drag some activity in the designer panel and click on the activity in the designer panel, the property panel will show the properties of that activity. If you have drag “Click” activity in the designer panel, in the properties panel you can

see all the properties which you can change or customize.

The Ribbon



This is known as Ribbon. Ribbon has three tabs: start, design, and execute. The design tab offers the options to start new automation project using specific times available, manage activities packages of operations used in automation, filled interactions using the user interface elements like data scraping. Remove the unused variable in project, export a project to eek excel and publish a project to orchestrator or another feed.



Now let's create our first Robot. This Robot is going to display “Hello World” on the screen.

Open UiPath Studio, Click on “Start”, Click on “Process” and enter the name of the project. In this example, we will create a project by the name of HelloWorld. Click on “Create” to start the project.

This is the Designer panel. This is the Activities panel. In the Activities panel search for “Message Box” activity.

Double click on “Message Box” activity and it will automatically appear in the designer panel.

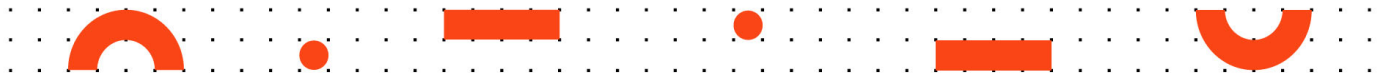
Within the message box in the designer panel, type “Hello World”. Make sure that its in double quotes

Click on Run and the Robot will display the message “Hello World” on your screen.

You can click on “Publish” button to publish the Robot. Now open UiPath Robot and you will see your Robot by the name of “HelloWorld”. You can execute the robot any time from here.

Congratulations on creating your first Robot!

Check Your Knowledge

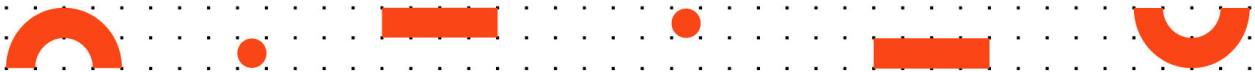


Now it's your turn to test what you have learned so far. I will challenge you with 5 questions. You need to answer each question correctly to move to the next one. You can take as many attempts as you want. If in doubt, I will encourage you to go back and revisit the relevant section of the course.

Who is the founder of UiPath?



- a) Daniel Redcliffe
- b) Daniel Dines ✓
- c) Danny Dines
- d) Daniel Willington



Who is the founder of UiPath?

- a) Daniel Redcliffe
- b) Daniel Dines
- c) Danny Dines
- d) Daniel Willington

The correct answer to this question is option **b**

What are the components of UiPath?



- a) Studio, Robots and Process
- b) Studio, Orchestrator and Robots ✓
- c) Developer, Robots and Orchestrator
- d) Studio, Orchestrator and Project



What are the components of UiPath?

- a) Studio, Robots and Process
- b) Studio, Orchestrator and Robots
- c) Developer, Robots and Orchestrator
- d) Studio, Orchestrator and Project

The correct answer to this question is option **B**

Is a flowchart visually more appealing than a sequence?



a) True



b) False



Is a flowchart visually more appealing than a sequence?

a) True

b) False

The correct answer to this question is option **A**.

Which panel displays all related properties of the activities and selected items?

- a) Activities Panel
- b) Designer Panel
- c) Properties Panel
- d) All of the above



Which panel displays all related properties of the activities and selected items?

- a) Activities panel
- b) Designer panel
- c) Properties panel
- d) All of the above

The correct answer to this question is option is option C.

Which type of project should be used for simple processes?

a) Process



b) Library

c) Robotic Enterprise Framework

d) Transactional process



Which type of project should be used for simple processes?

a) Process

b) Library

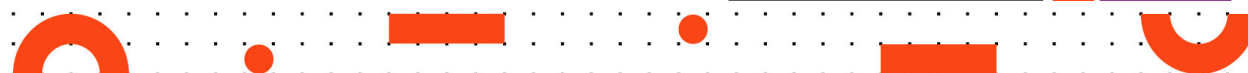
c) Robotic Enterprise

d) Transactional process

The correct answer to this question is option **A**

So far, we have discussed...

- Introduction to UiPath
- UiPath components
- Benefits of UiPath Automation
- Installing UiPath and browser extensions



Let's summarise what we have learnt in this section. We learnt about origins of UiPath. Then we installed UiPath Academic Alliance edition along with browser extensions. We understood the user-interface and finally tested the environment with a "Hello World" robot. That brings us to the end of this section! Thank you for watching!