Robotic Process Automation using UiPath

Topic 2– StudioX Citizen Developer Journey and Working with StudioX

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COURSE OBJECTIVES

- Introduction to RPA

- StudioX Citizen Developer Journey and Working with StudioX

- Activity Recording, UI Automation in StudioX

- Decisions, Iterations, and Scenarios in StudioX

- File, Folder Automation in StudioX: Microsoft Excel Automation

- Email & SAP Automation in StudioX

- Handle Errors in StudioX

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2. StudioX Citizen Developer Journey and Working with StudioX

❏ StudioX UI Exploration

❏ Installing Excel, Outlook and Google Suite Plugin

❏ First automation using Microsoft Office

❏ Map the HumanPath, Design the RobotPath

StudioX **UI Exploration**

UI automation refers to the automation of desktop applications and web browsers. It can replicate clicking and typing in various user interface elements such as buttons, check boxes, text boxes, or drop-down lists. Knowing how to interact with them enables you to design automations much faster and easier. With StudioX, you can create automations with UI elements from most applications using application or web activities.

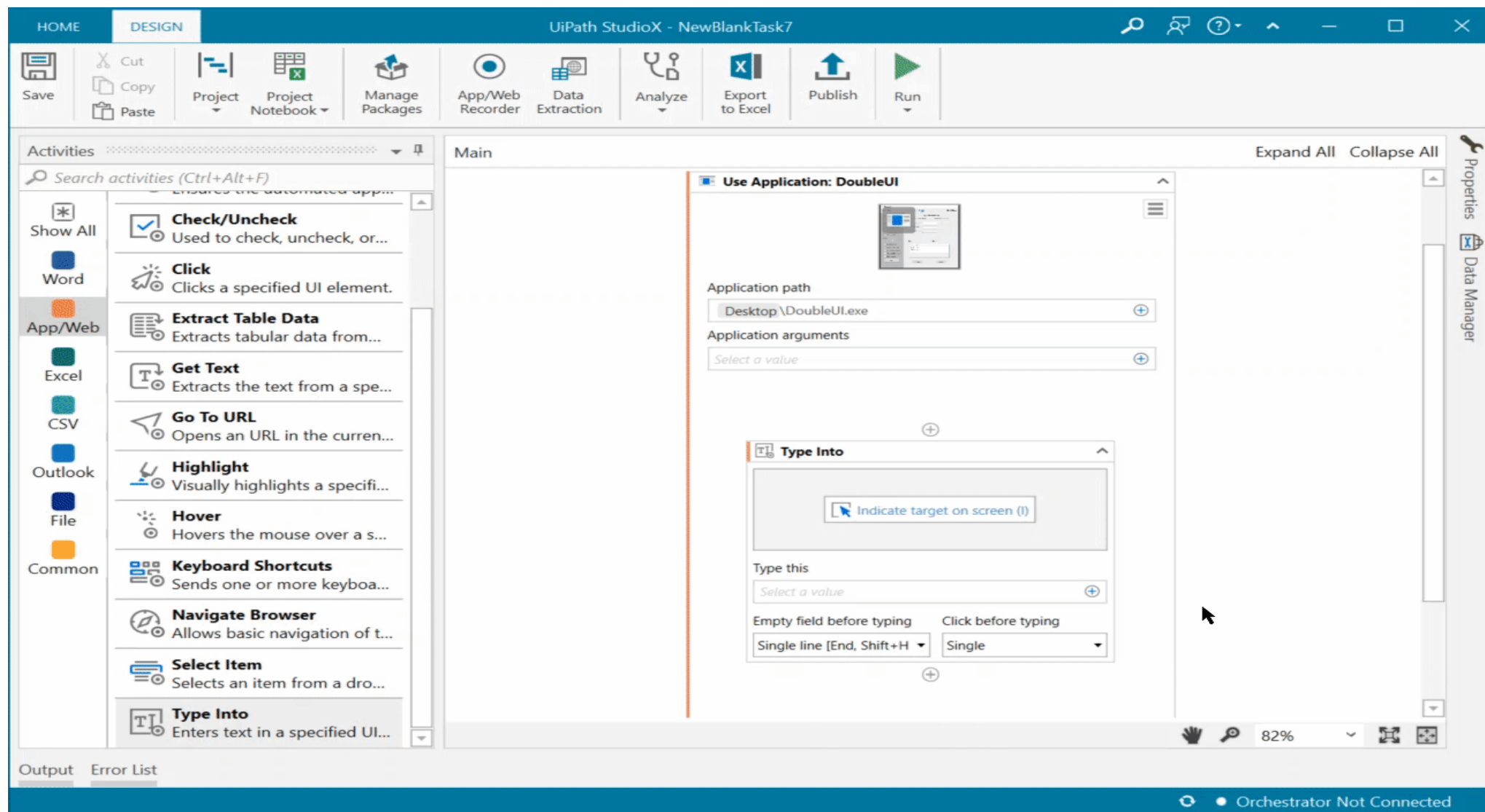StudioX offers deep integration with Microsoft Office, Outlook 365, Gmail, and the file system.

All interactions with the UI can be split into

- Input (sending or adding something to the application)

- Output (getting something from the application).
- Clicking a button and typing text in a text box are examples of input actions.
- Getting the text from a browser page is an example of an output action.

StudioX **UI Exploration Hands-On**

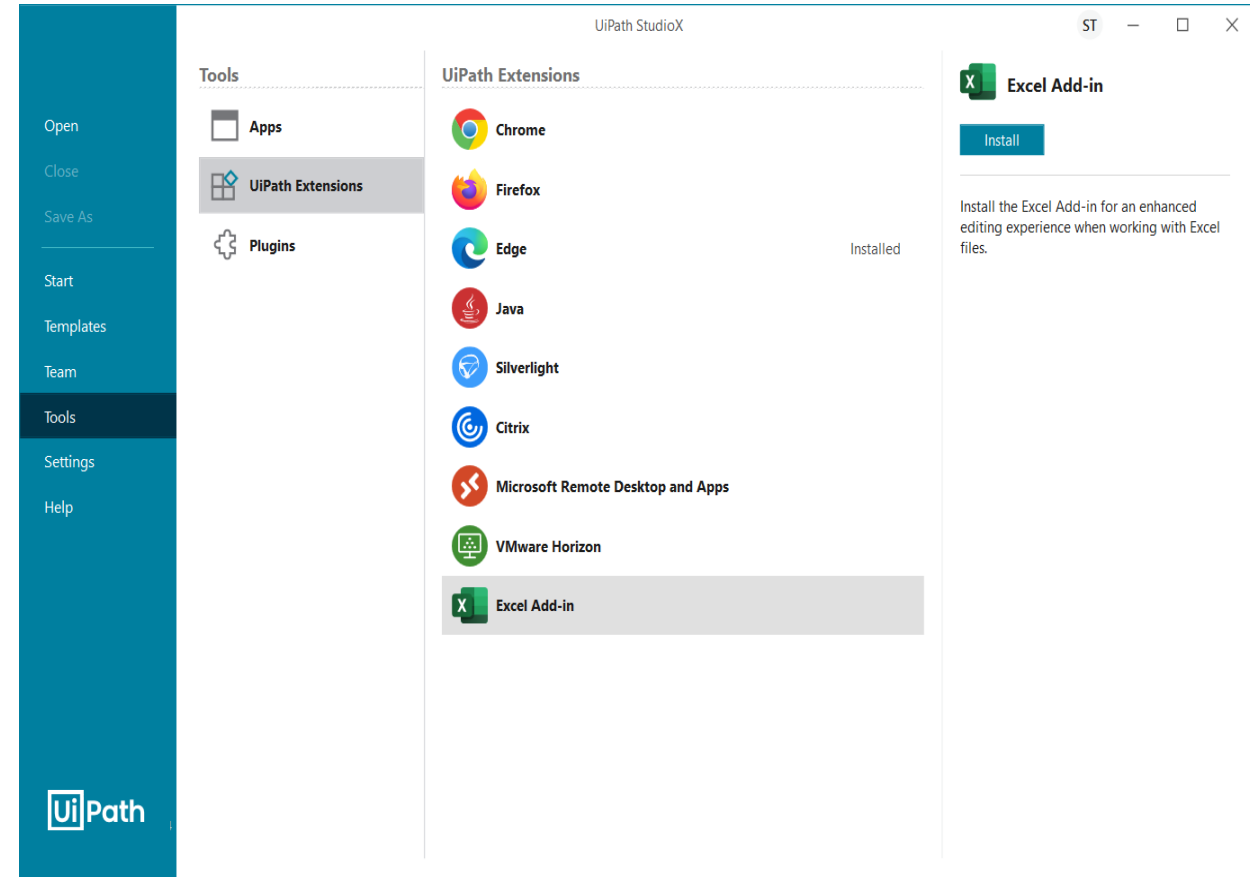❏ 5 Mins Demo for UI Exploration

❏ Identification of Text Box and Button

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StudioX **UI Exploration (Contd..)**

Installing Excel, Outlook and Google Suite Plugin
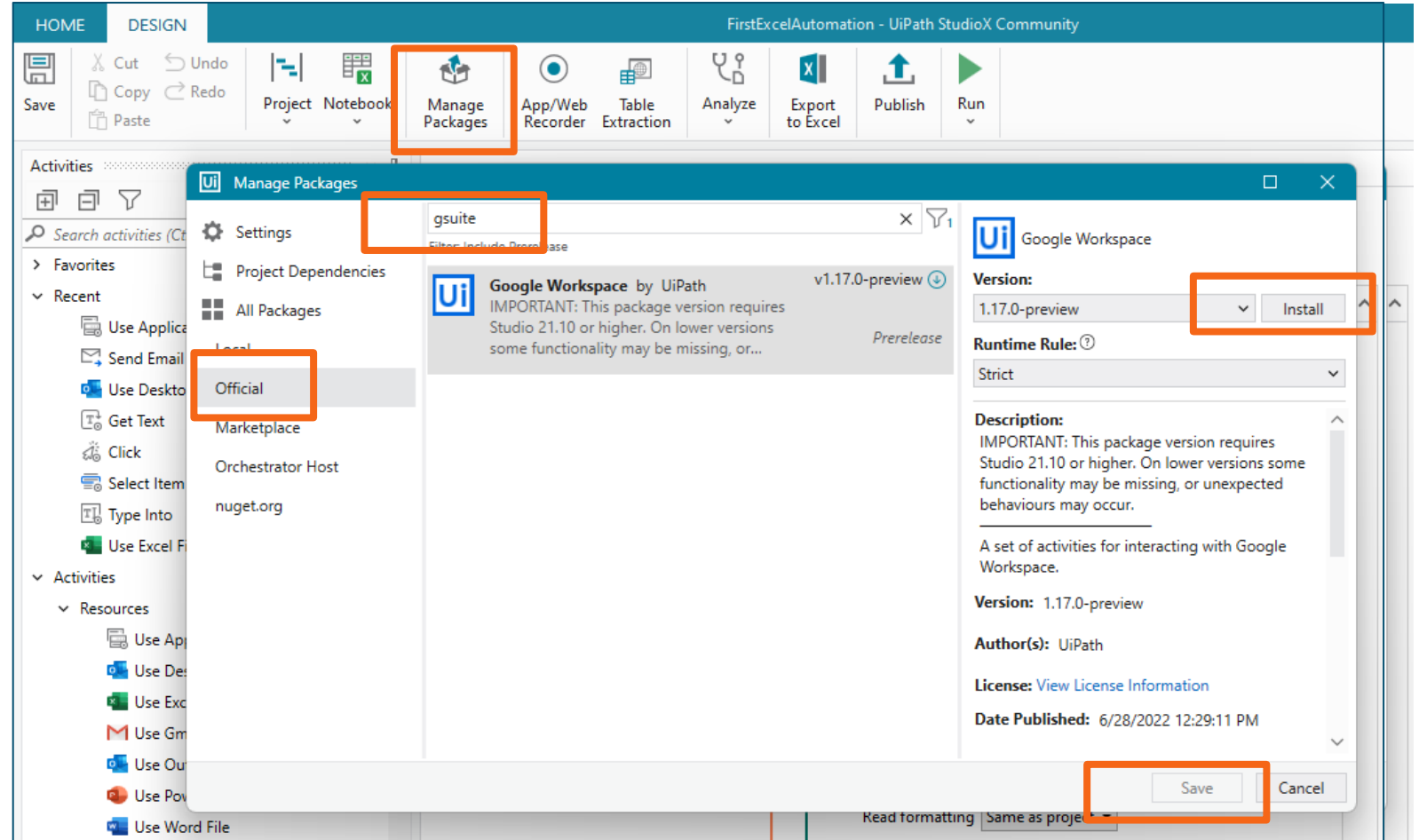
Install the Excel Add-in

1. Save and close all open Excel workbooks.
2. In Studio, select **Home** > **Tools** > **UiPath Extensions** > **Excel Add-in**.
3. Click **OK** to confirm you have saved and closed all Excel workbooks.
4. The add-in is installed and a confirmation message is displayed. Click **OK** to close the message.

Installing Excel, Outlook and Google Suite Plugin

Install the Google Suite Add-in

1. In Studio,
2. select **Manage Package** > **Official**
3. Click **Install** to Install
4. Click **Sav**

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First automation using **Microsoft Office** **(LIVE-DEMO)**

❏ Open a Web Form (https://www.rpasamples.com/findunicornname)

❏ Create an **Excel Sheet** with Some Entries

❏ Create an Automation in UiPath StudioX to read Excel Sheet for Input

❏ Type Entries into web from using Automation

❏ Click on Web Form using Automation

❏ Get Text from Webform using automation

❏ Send a Mail contains the text retrieved from web form using Automation.

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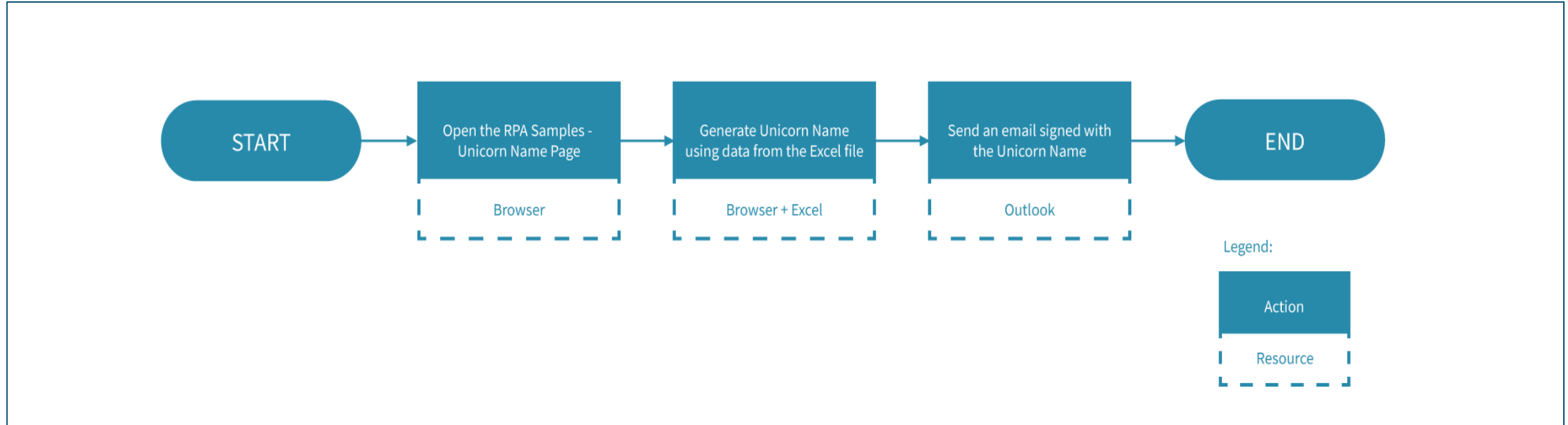# Map the HumanPath, Design the RobotPath

The HumanPath is a high-level view of your task put into a sequential manner. **The RobotPath** is a detailed view of your task - it's designing the steps the Robot takes to automate your task.

Here are some highlights of what makes the HumanPath to RobotPath framework important in your development process:

1. Breaks down your process into visual, logical steps.
2. Helps you carve out the scope of what you want to build.
3. Outlines key decision points and task automation scenarios.
4. Serves as your guide while you build your Robot.

The **HumanPath**

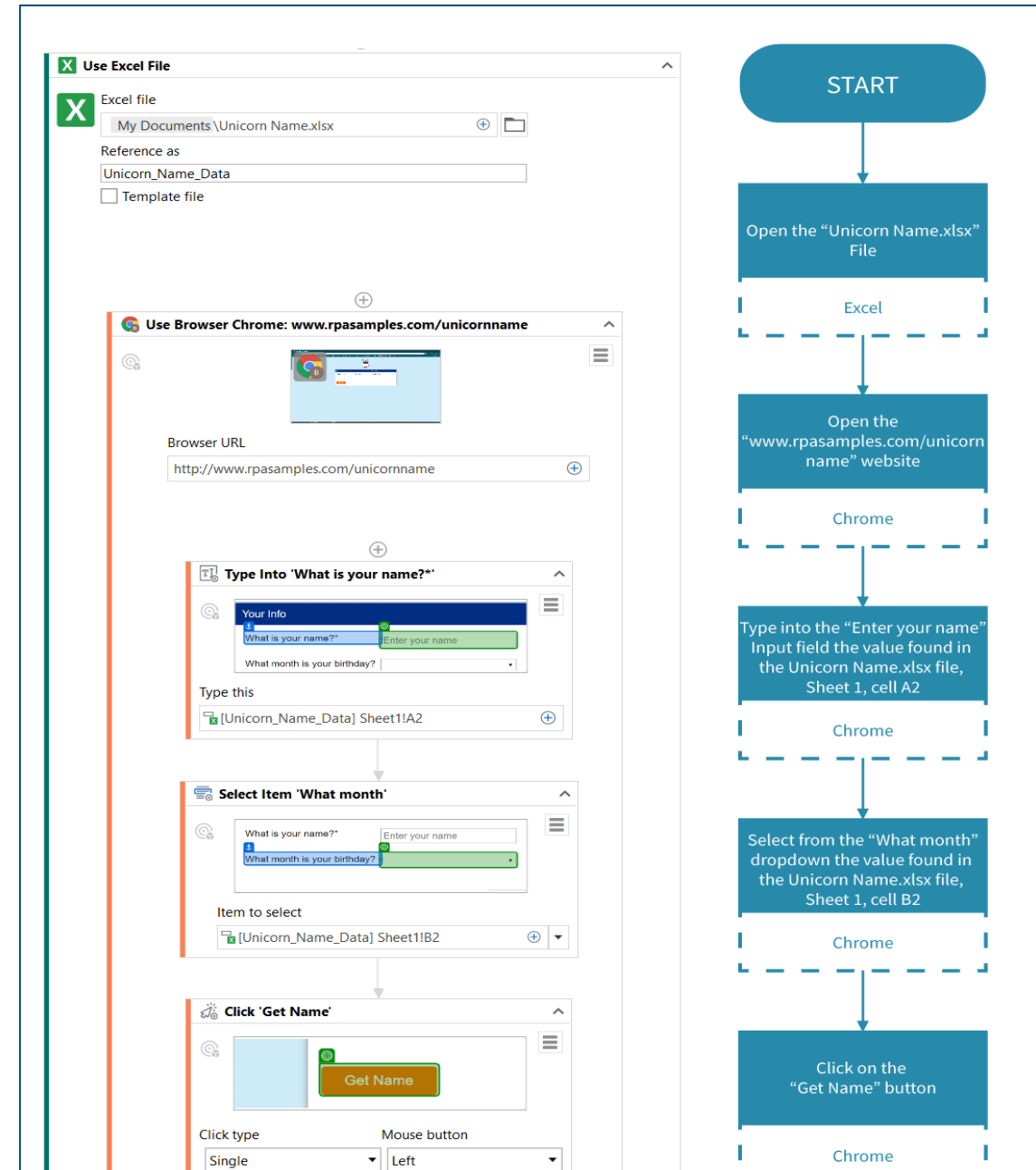The HumanPath is just a high-level overview of the task's steps.

Notice how there is a **Start** and an **End**, and only three steps in between. Each step is descriptive enough for an outsider to understand the task and the applications used:

1. You open the RPA Samples Unicorn Name website using the browser of choice.
2. Using the information from the Excel file, you generate the Unicorn Name.
3. You send out an email, signing it with the Unicorn Name,

The **RobotPath**

The Robot Path is a more detailed overview of your task's steps. The objective is to have a click by click process flow. Imagine you give the Robot Path to a new hire instead of training.

Let's take a look at the Robot Path of the Unicorn Name task automation.

TOPIC 2
END

THANK YOU