

This assignment is meant to test your ability to create an automation that works with Excel spreadsheets, data table variables, and, most importantly, UI Automation.

Problem Statement

Your task is to build an automation that enters all the data from a spreadsheet into the form fields on <http://rpachallenge.com/>.

Desired Result and Output

The Excel spreadsheet, which can be downloaded from <http://rpachallenge.com/>, contains 10 rows of data each to be submitted using the input form. The goal is to successfully submit the form 10 times, once per row of data in the Excel spreadsheet. Focus your attention first on creating a robust and reliable process that consistently enters data into the correct form fields. Once you have managed this, look for ways to make your robot faster.

How fast can you make your robot submit all 10 forms correctly?

How to Get Started

Follow these steps to get started working on our RPA challenge:

1. Create a new blank project in UiPath Studio and give it an appropriate name and description.
2. Navigate to <http://rpachallenge.com/> and download the Excel spreadsheet.
3. Move the Excel spreadsheet from your download location into the project folder of your newly created project.
4. Look at the Excel spreadsheet to familiarize yourself with its content.

That's it; you're now ready to start building your automation.

Approach

For this assignment, your goal is to create an automation that performs the following steps:

1. Read data from the Excel spreadsheet into a data table variable.
Hint: Use the Read Range activity.
2. Click on the start button to begin the timed challenge.
3. For each row in the data table, submit one form.

See the case introduction video for a detailed walkthrough of each process step.

Key Automation Activities

For this assignment, you are likely to use the following activities in UiPath Studio:

- Read range
- Attach browser
- Click
- For Each row in data table
- Type into

Additional Tasks

If you desire an additional challenge, you may attempt to include the following in your automation:

1. Open Google Chrome and navigate to <http://rpachallenge.com/>.
2. Download the Excel spreadsheet and read it directly from your downloads folder.

3. When your automation has successfully submitted 10 forms, a message is displayed in Google Chrome informing you of your success rate as well as the time taken for your automation to submit all 10 forms. Find a way to read or extract this information and display it in your output panel.
4. Attempt to increase the speed at which your automation submits forms. How fast can you complete the challenge?

Tips and Tricks

- The form fields will change position on the screen after every submission throughout the 10 rounds. This means you will have to find a way to create a reliable selector for your **Type Into** activities to correctly identify where each spreadsheet record should be typed. Play around with the selector editor and Ui Explorer to find new attributes to add to your selectors. Alternatively, the Anchor Base activity may be useful. The choice is yours, and trial and error will be your best friend.
- The type into activity has several properties, including *SimulateType*, *DelayAfter*, and *DelayBefore*, which may be changed to improve your automation speed.

Evaluation

- **Desired result and output:** Your automation should successfully submit one form per row of data in the downloaded Excel spreadsheet.
- **Process and workflow design:** The activities in UiPath Studio are well structured and organized, in addition to activities having appropriate comments and annotations to improve readability.

The solution .XAML-file is available as a downloadable resource in the “Solution Walkthrough” lesson.

