Welcome to your final project. We hope you have had a great learning experience so far, and that you feel confident and comfortable creating automations using UiPath Studio.

The final project is the culmination of your learning journey and is meant to test your ability to create an automated process based on what you have learned throughout the entire course. Just like you would in a real-life scenario, you will be given a **Process Definition Document (PDD)** to support your automation (available as a downloadable resource in this lesson). The PDD contains a detailed description of each step to be automated, so use this document to your advantage.

Problem Statement

Your task is to build an automation that generates invoices from https://invoice-generator.com/ in Google Chrome for each row of data in the Excel spreadsheet, **InvoiceData.xlsx.**

The entire process to be automated is described in detail in the PDD document.

Desired Result and Output

The Excel spreadsheet **InvoiceData.xlsx** contains 10 rows of data each to be converted into a separate PDF invoice. The goal of your automation is to successfully generate and download 10 invoices, one invoice in PDF format for each of the 10 rows of data in the Excel spreadsheet.

The desired result and output are described in detail in the PDD document.

How to Get Started

1. Create a new blank project in UiPath Studio and give it an appropriate name and description.
2. Download the Excel spreadsheet **InvoiceData.xlsx** and move it into the project folder of your newly created project (available as a downloadable resource for this lesson).
3. Make sure you understand the process to be automated by carefully reading through the PDD. It is also useful to perform the process manually to understand it better.

Approach

Your automation should be built to perform the following steps:

1. Read invoice data from **InvoiceData.xlsx** into a data table variable.
   Hint: Use the Read Range activity.
2. Open Google Chrome and navigate to https://invoice-generator.com/.
   Hint: Use the Open Browser activity.
3. For each row in the data table that you created in step 1, repeat the following steps in a For Each Row in Data Table activity:
   a. Type who the invoice is from.
   b. Type who the invoice is to.
   c. Type the invoice number.
      Hint: Make sure the existing invoice number is erased or removed before writing your text. The *EmptyField* and *SimulateType* properties of the type into activity can be useful.
   d. Type the invoice date.

d. Type the invoice date.
Hint: Use the UI Explorer to find a reliable selector as the ID attribute may change between generating invoices.
e. Type the invoice Due Date.
Hint: Use the UI Explorer to find a reliable selector as the ID attribute may change between generating invoices.
f. Type the product description.

g. Type the product quantity.
h. Type the product price or rate.
Hint: Make sure the existing rate is erased or removed before writing your text. The *EmptyField* and *SimulateType* properties of the type into activity can be useful.
i. Click download invoice.
j. Click new invoice to return to https://invoice-generator.com/ to begin generating the next invoice.
4. Close Google Chrome once all invoices have been generated and downloaded.

Key Automation Activities

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

- Read range
- Open browser
- For each row in data table
- Type into
- Click
- Close tab or close window

Additional Tasks

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

1. For any row in the data table, if the product quantity exceeds 10, your automation should not generate and download a PDF invoice. In other words, invoices, where product quantities are 11 or greater, should be skipped.
2. Move the downloaded invoices from your download folder to a new folder of your choosing. **Note:** The *Move File* activity can be used to move files from one folder to another. This activity requires the file path of the invoice and the path to the new folder. There are different ways to retrieve the file path of your downloaded invoices, one of which we have covered in our video on file automation. Another useful activity can be the *Wait for Download*.

Tips and Tricks

- You will have to edit the selectors of your type into date and due date activities in order to get these activities to work consistently
- The type into activities has a property called *SimulateType*, which will make your automation faster, in addition to removing existing text in the fields before entering your new text.

Evaluation

Your project will be evaluated based on the following:

- **Desired result and output**: Your automation should successfully generate and download one PDF invoice per row of data in **InvoiceData.xlsx.**
- **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.

Good luck!