

Week 9 : Image and Text based automation

- ตั้งชื่อ Project ด้วย week9_รหัสนักศึกษา เช่น week9_62070001
- ในแต่ละข้อ สร้าง sequence flow ด้วย เลขที่ข้อ_รหัสนักศึกษา เช่น 9.1_62070001
- ต้อง capture รูป flow ทั้งหมด แปะใน word 1 file ให้เห็นชัดเจนและตั้งชื่อไฟล์ เป็น week9_รหัสนักศึกษา.docx เช่น week9_62070001.docx
- ส่งงานทุกข้อเป็น 1 Project รวมใน 1 folder ที่มี input, output, word ทั้งหมดในโปรเจกต์นั้นๆ ตั้งชื่อไฟล์ week9_รหัสนักศึกษา.zip เช่น week9_62070001.zip

Exercise 9.1 : Extracting data from an invoice image

Objective: Code a Robot in UiPath Studio to

- Open a scanned image of an invoice using Send hotkey,
- Read a scanned image of an invoice, and
- Store the extracted data in a .CSV file.

Learning Outcomes

After completion of this exercise you will get familiar with the following:

- ✓ “Sequence” activity.
- ✓ “Send Hotkey” and “Type Into”.
- ✓ “Get OCR Text” activity.
- ✓ “Build Data Table Into” activity.
- ✓ “Add Data Row” activity.
- ✓ “Write CSV” activity.

Note: OCR works on the specific requirement in this project. There can be variations in the photo application in your system. In this code, you need to use OCR according to your photo view application environment because for OCR a fixed environment is required.

Package Prerequisites:

➤ UiPath.Excel.Activities = 2.7.2

Algorithm:

Step 1: START

Step 2: Add the Sequence in the main area and add the **Send Hot key** to the Sequence activity

Step 3: Use the “r” key string in the “input” property of “Send Hotkey” activity.

Step 4: Add **Type Into** activity and use the path in the “Type Into” activity where the invoice image file is saved (under this project).

Step 5: Use the “enter” key in the **Send Hot key** to open the scanned invoice.

Step 6: Add the **Get OCR Text** to get **total of the invoice** image

Step 7: Add again **Get OCR Text** activity to get 'Email' , 'Sub Total' , 'Tax Details' from the Tax invoice image.

Step 8: Step 6: Add **Build Data Table** for insert data to data table and add the **Add Data Row** activity to it

Step 9: Write it to the **CSV file activity** (named this file as 8.1_yourStudentID.csv)

Step 10: Check the output. If the output is not correct, set the **Scale and Profile options in the Tesseract OCR properties.**

Step 11: STOP

Exercise 9.2 : Image automation

Objective: Code a Robot in UiPath Studio to

- Login the UiDemo
- Fill in information

Learning Outcomes

After completion of this exercise you will get familiar with the following:

- ✓ **“Flowchart”**
- ✓ **“Click image”** and **“Type Into”**.
- ✓ **“Double Click”**

Step : Follow the clip UiDemo-login, UiDemo-deposit

Exercise 9.3 : Native Citrix automation

Objective: Code a Robot in UiPath Studio to

- Login the UiDemo
- Fill in information

Learning Outcomes

After completion of this exercise you will get familiar with the following:

- ✓ **“Flowchart”**
- ✓ **“Click image”** and **“Type Into”**.
- ✓ **“Double Click”**
- ✓ **“Click Text”**