Aim: To Automate the PDF.

Objectives: Understand how does the PDF actions works.

Tools Used: Automation anywhere tools

Concept:

Recorder Action – Captured UI interactions to automate the encryption process.

Mouse Click Action – Enabled selecting encryption options and entering passwords.

PDF Extract Text Action – Retrieved text from PDFs for further processing.

PDF Open Action – Opened the PDF document for encryption and text extraction.

PDF Close Action – Closed the PDF after processing to ensure smooth execution.

Get Text Action – Stored the extracted content in variables.

If Condition Action – Checked specific words in the extracted text and logged them.

Excel Open Action – Opened an Excel file for storing extracted data.

Set Cell Action – Stored extracted text from multiple PDFs into an organized Excel sheet.

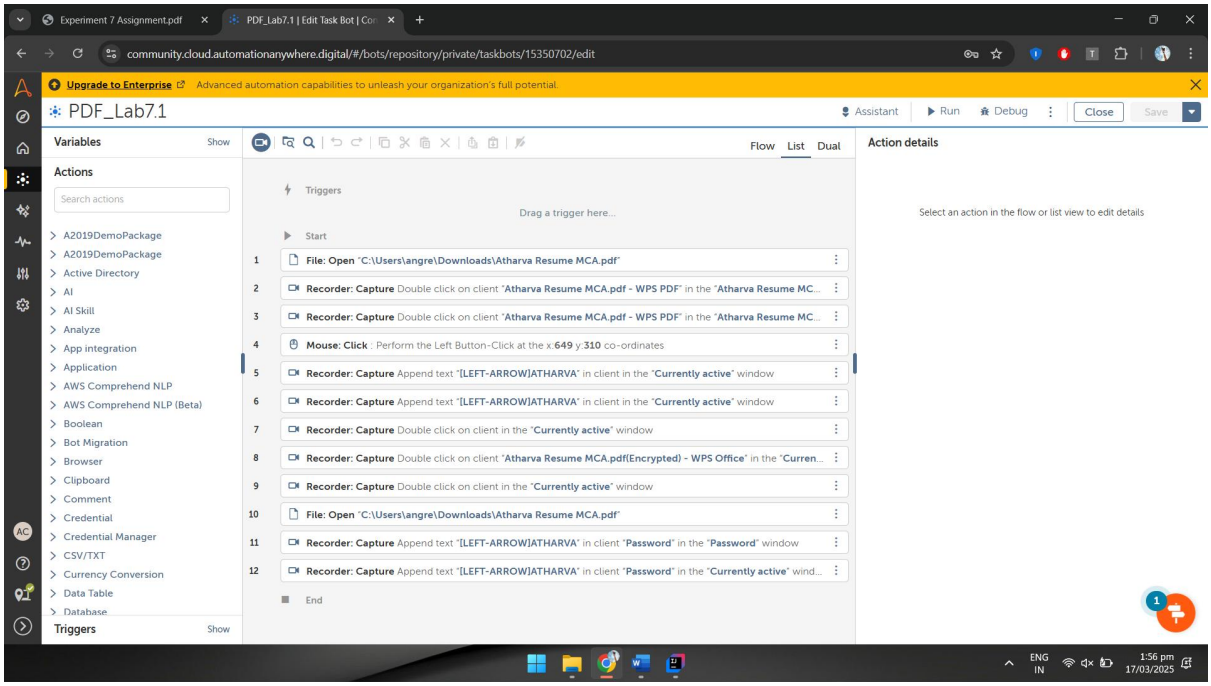
Problem Statement:

1) Design a bot to automate the task of encrypting the PDF document.

2) Design a bot to extract the text from single PDF and store it in excel sheet.

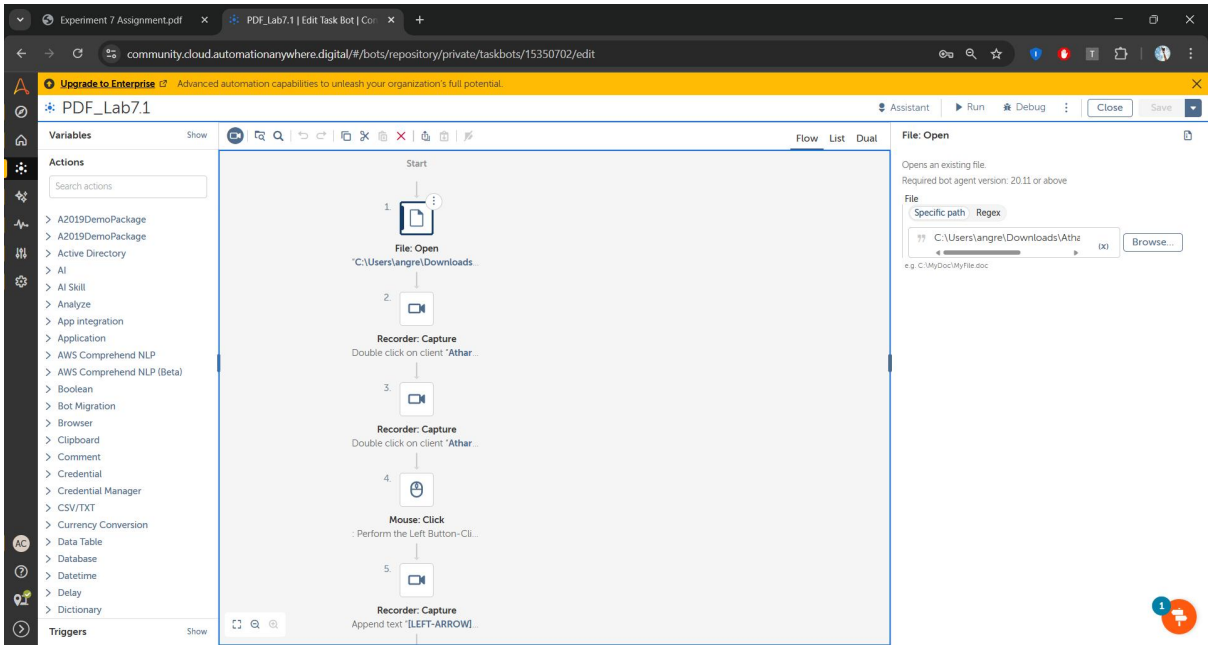
3) Design a bot to extract the text from minimum 3 PDF’s and store it in a single excel sheet

Solution:

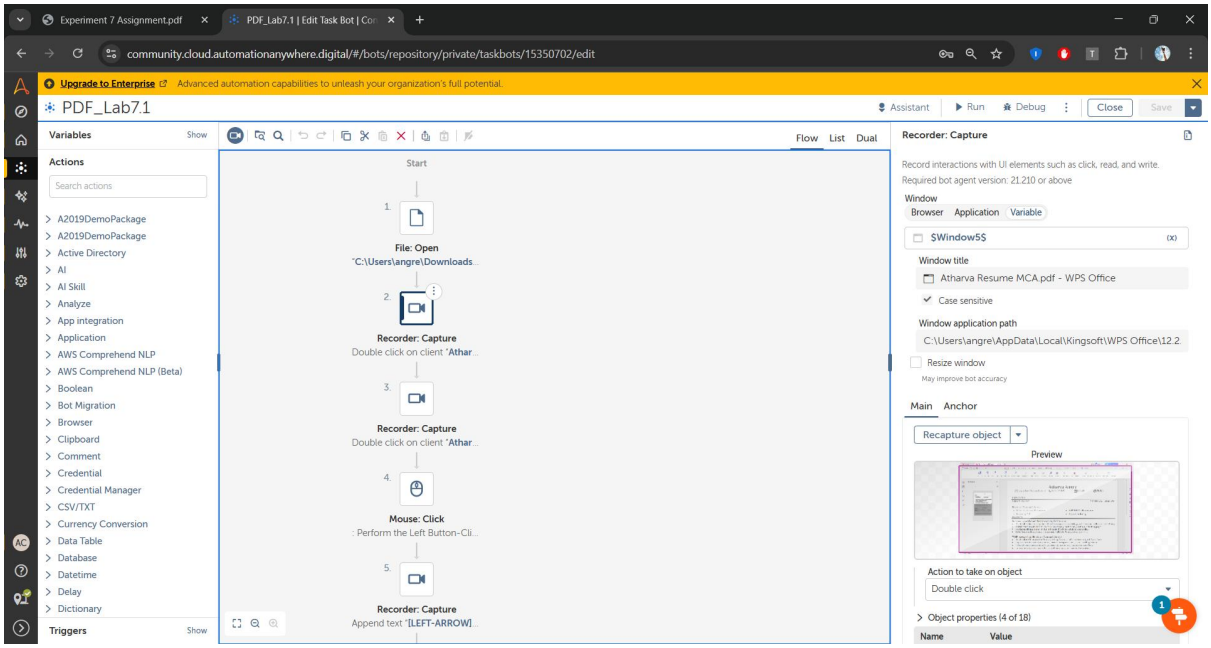


Problem 1: Design a bot to automate the task of encrypting the PDF document

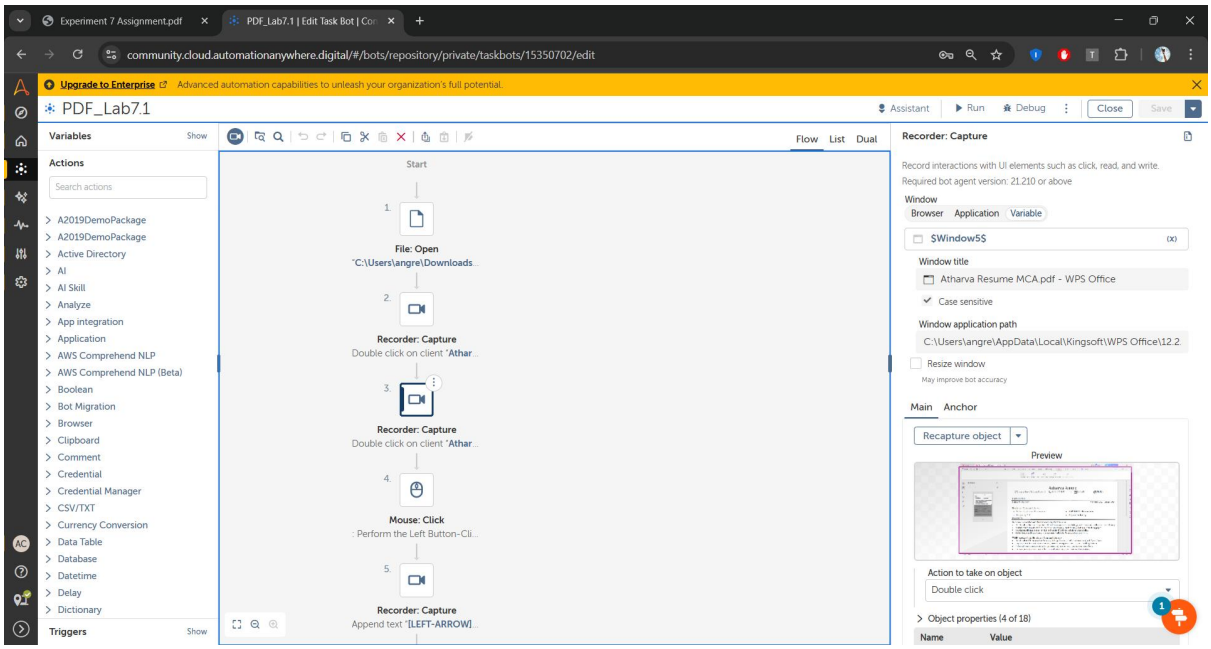
Step1: Open the pdf



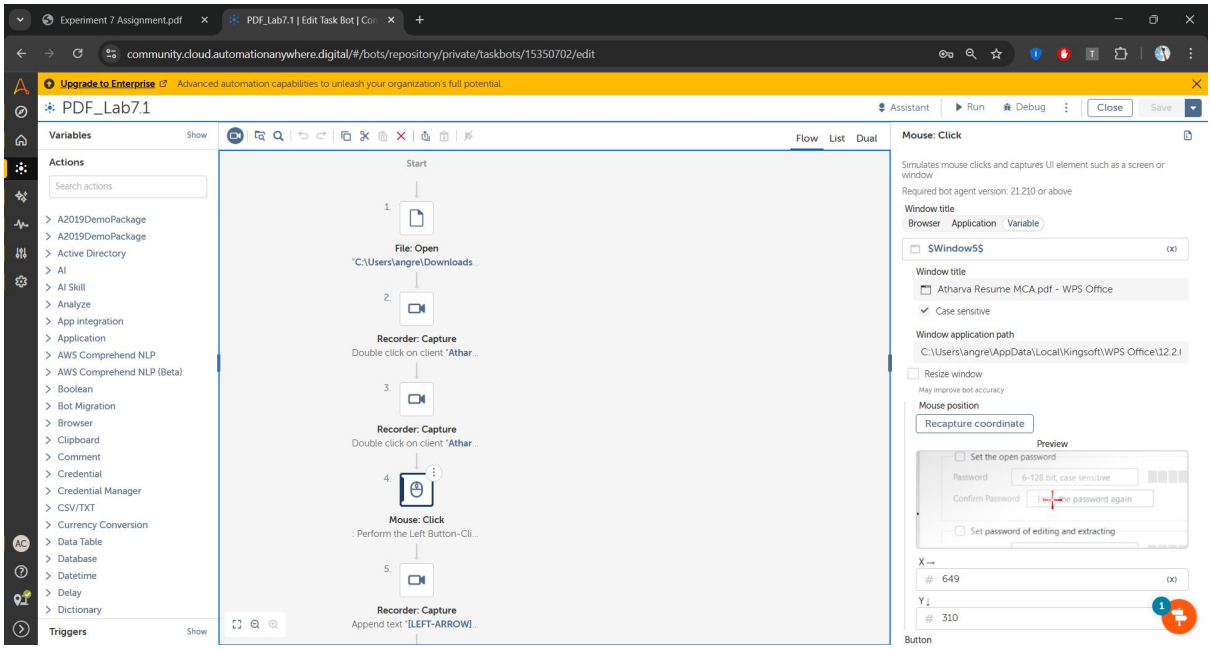
Step2: Use the recorder to capture the protected tab and assign it click functionality



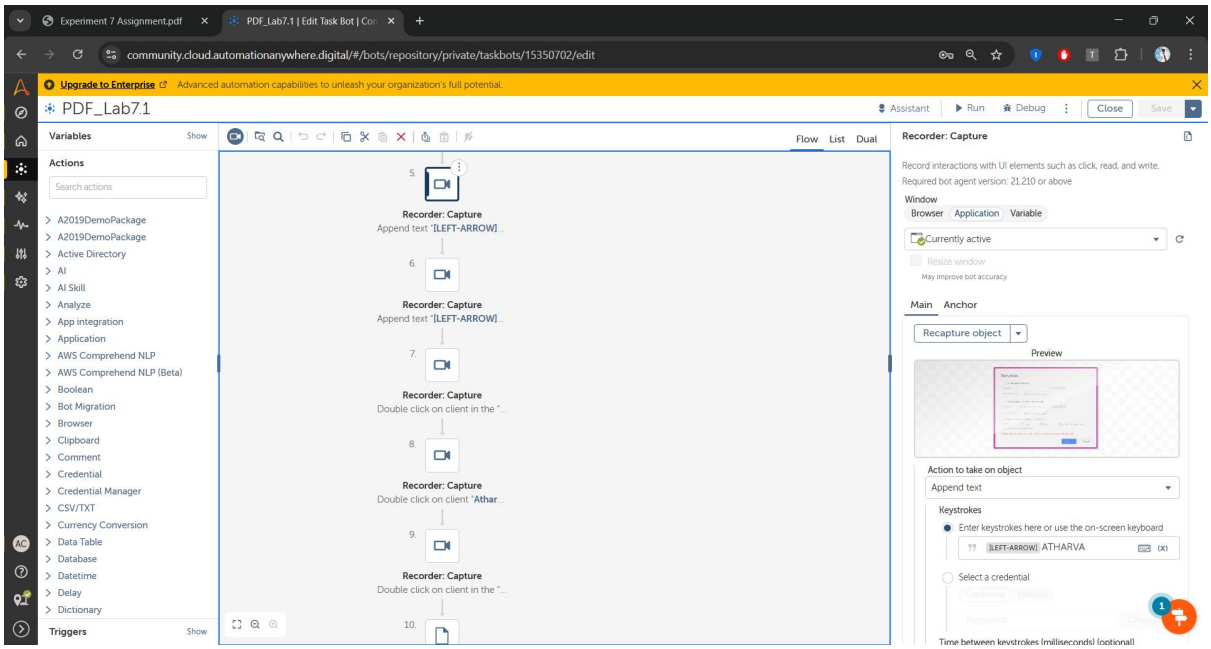
Step3: Now use recorder to capture the encrypt option and set click functionality



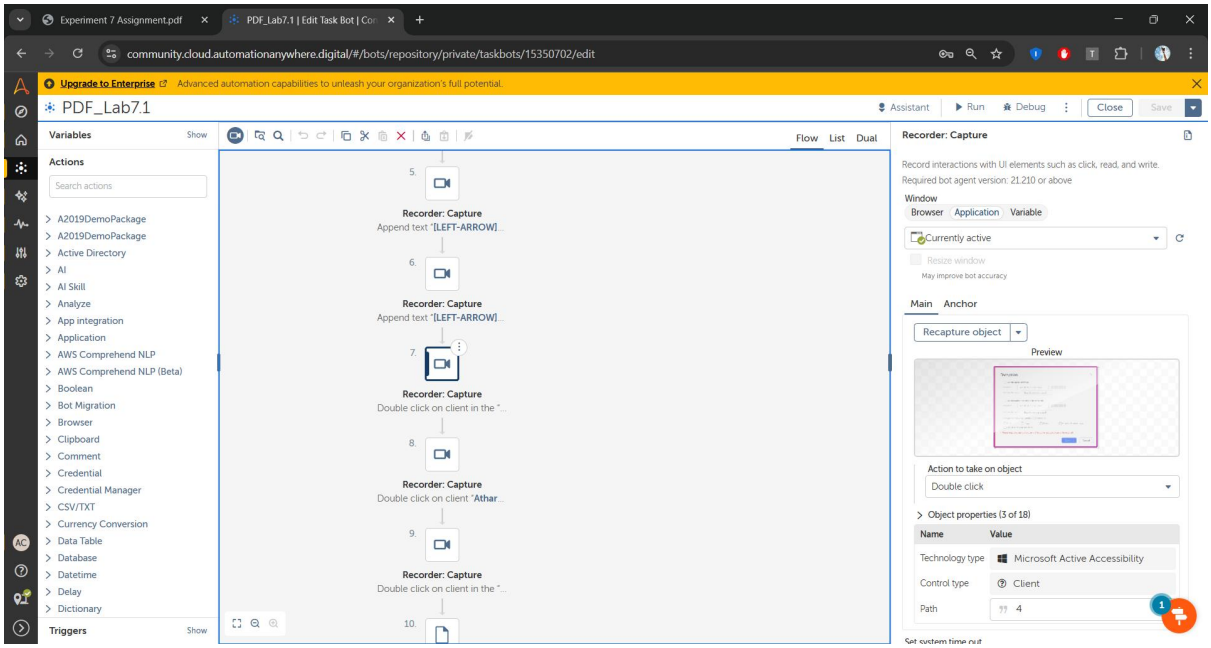
Step4: Use the mouse click action to check the “set the open password”



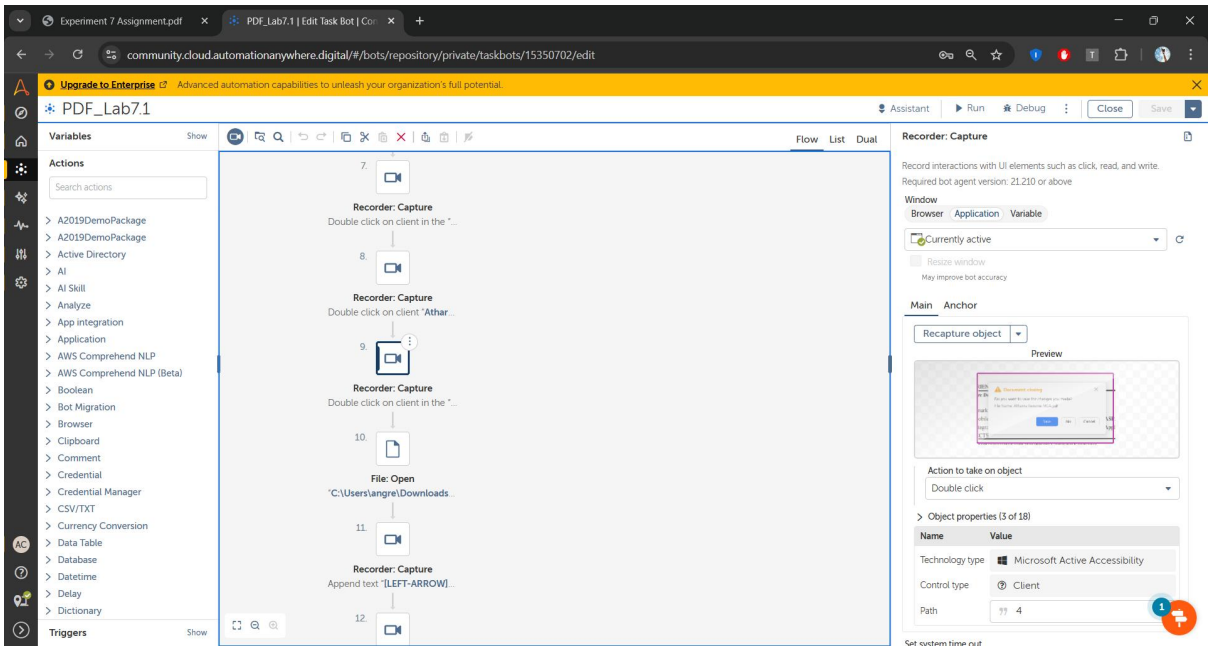
Step5: now use recorder to set the password and confirm password, and it that use append text to add the password



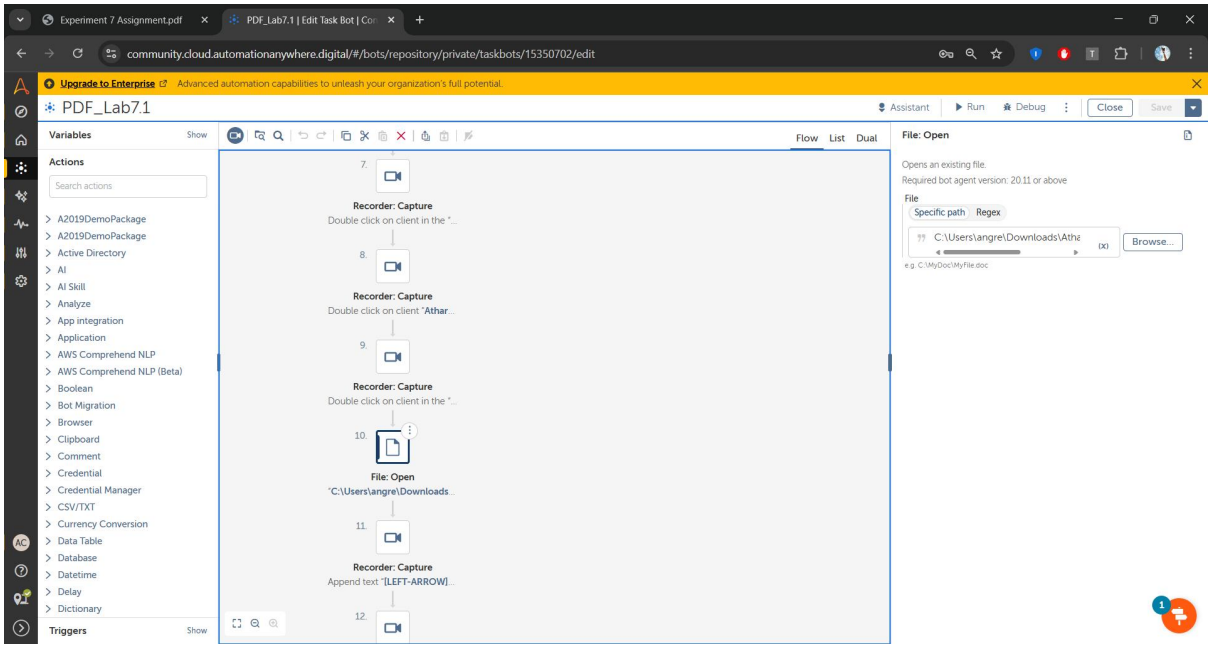
Step6: now use the recorder to click on the confirm button



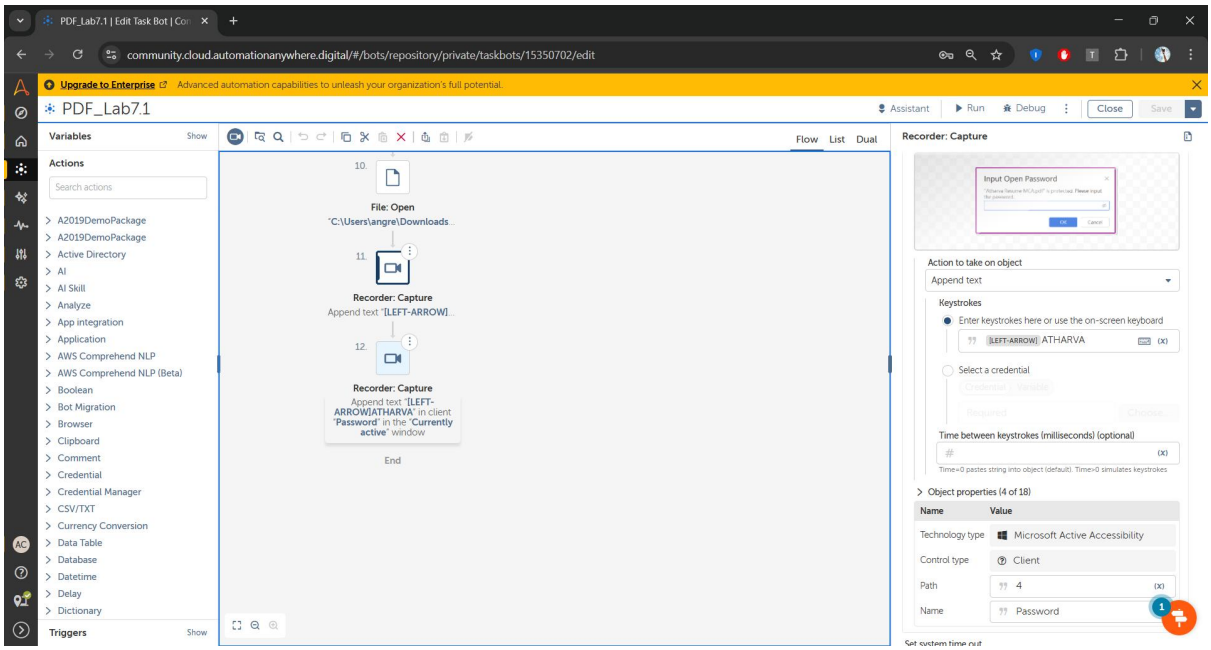
Step7: Now close the window and the click on the save the changes in prompt use recorder.



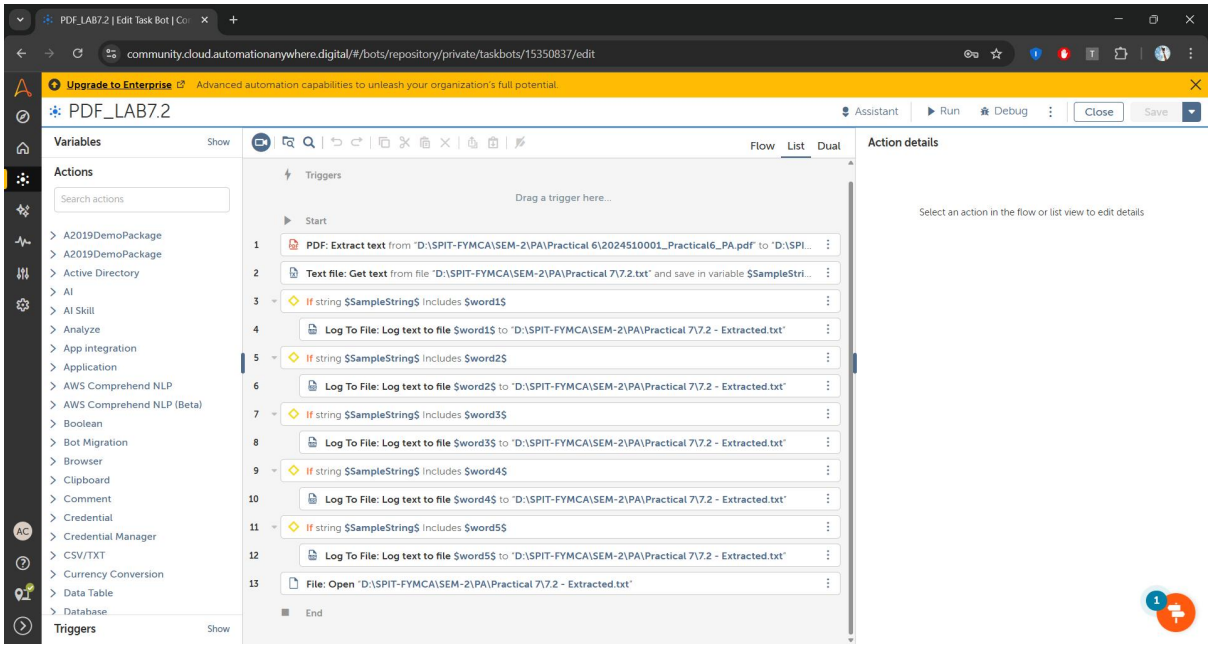
Step8: now open the same PDF again now it will prompt for password



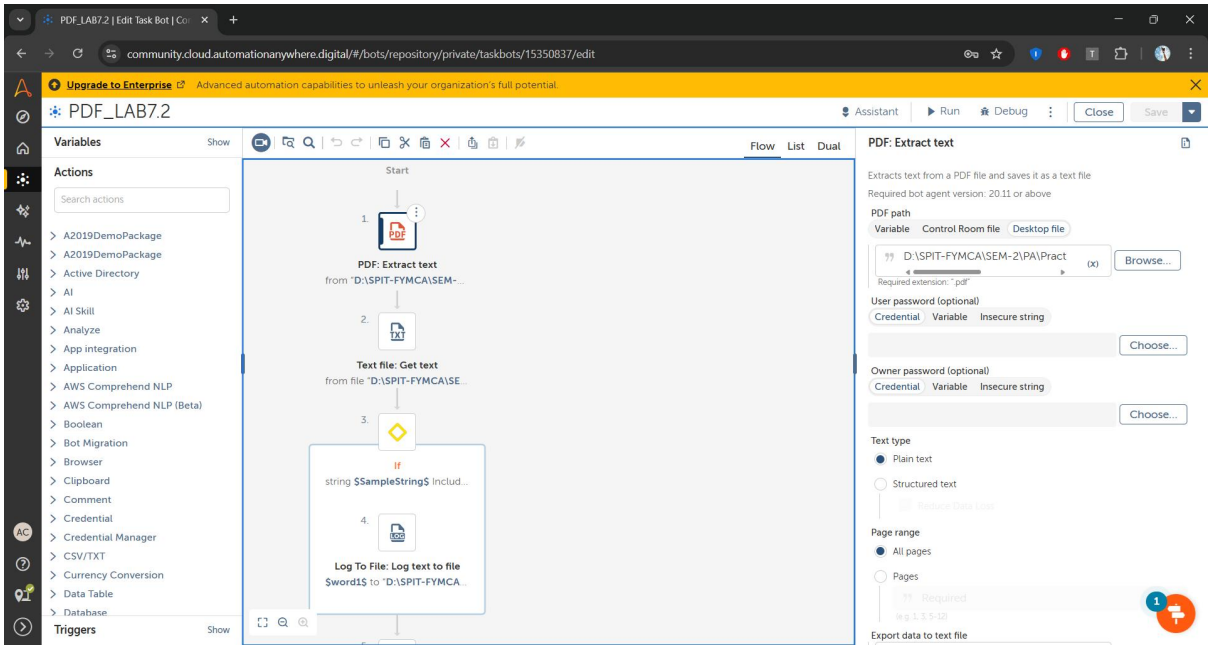
Step9: Use Recorder to enter the password and use append text in it and also again use recorder to click okay



Problem 2: Design a bot to extract the text from single PDF and store it in excel sheet

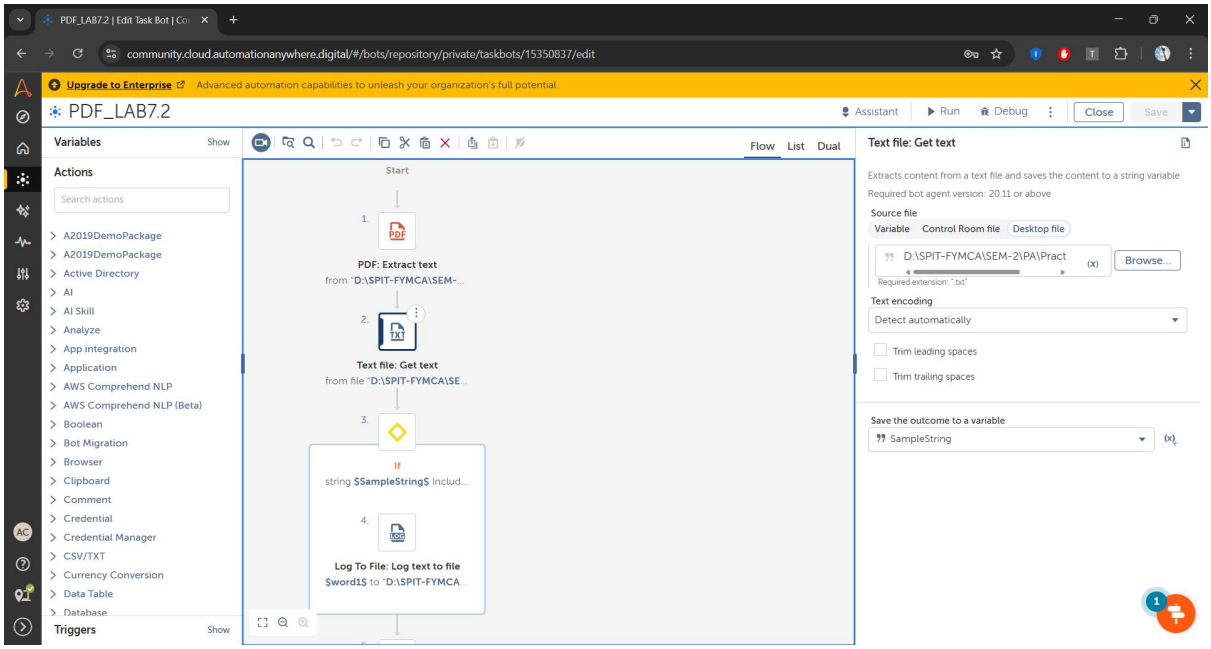


Step1:Extract Text from the pdf using the Extract text action and save it in a text file



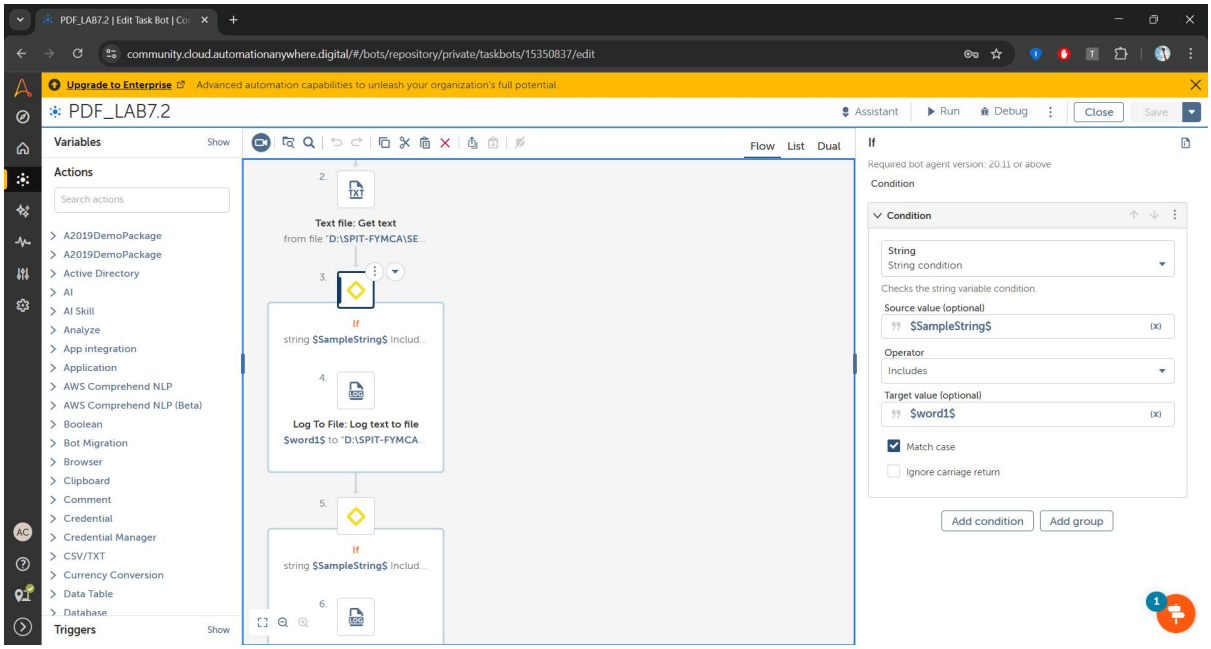
Step2:Use the Get text action to get the text extracted from the pdf which is stored in the

pdf

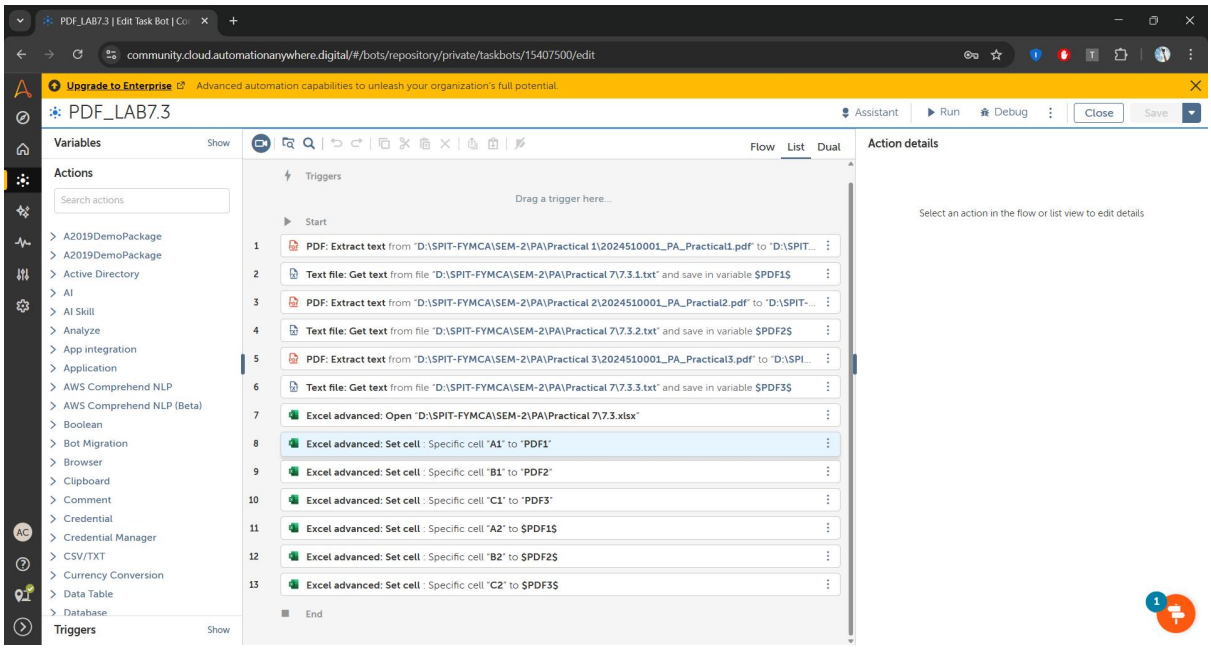


Step3:Use a if condition and add string condition and use the includes operator and IF the condition is true then log the word in another text file.(repeat this 5 time for

didderent words).

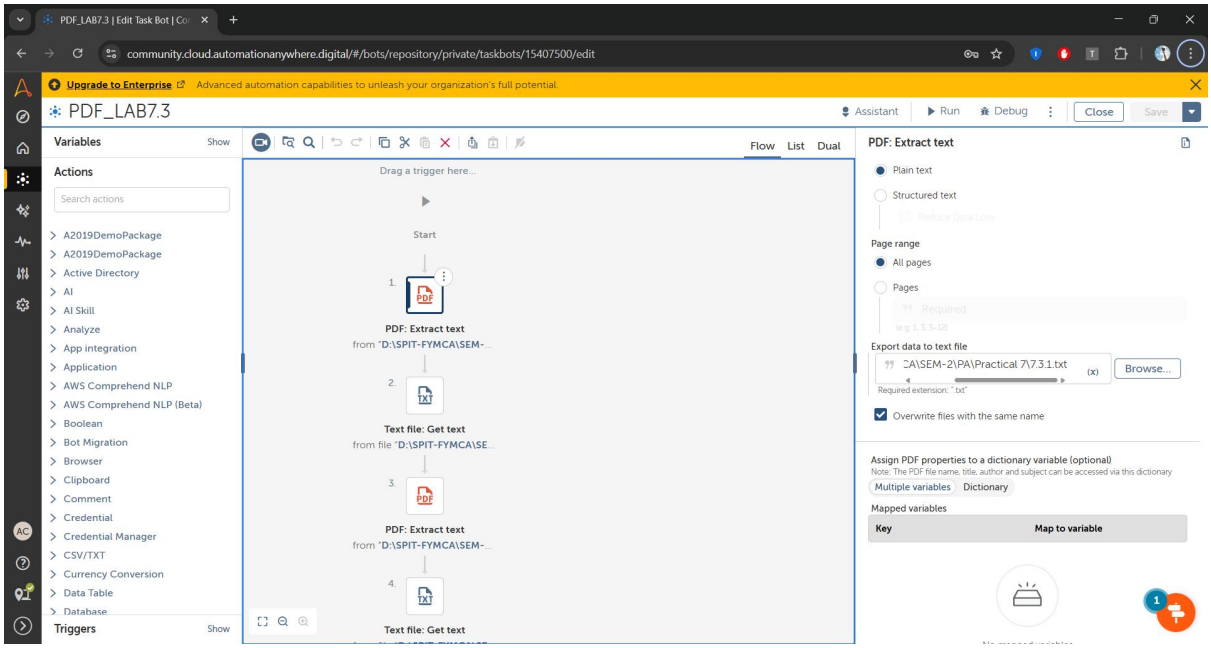


Problem3: Design a bot to extract the text from minimum 3 PDF's and store it in a single excel sheet.

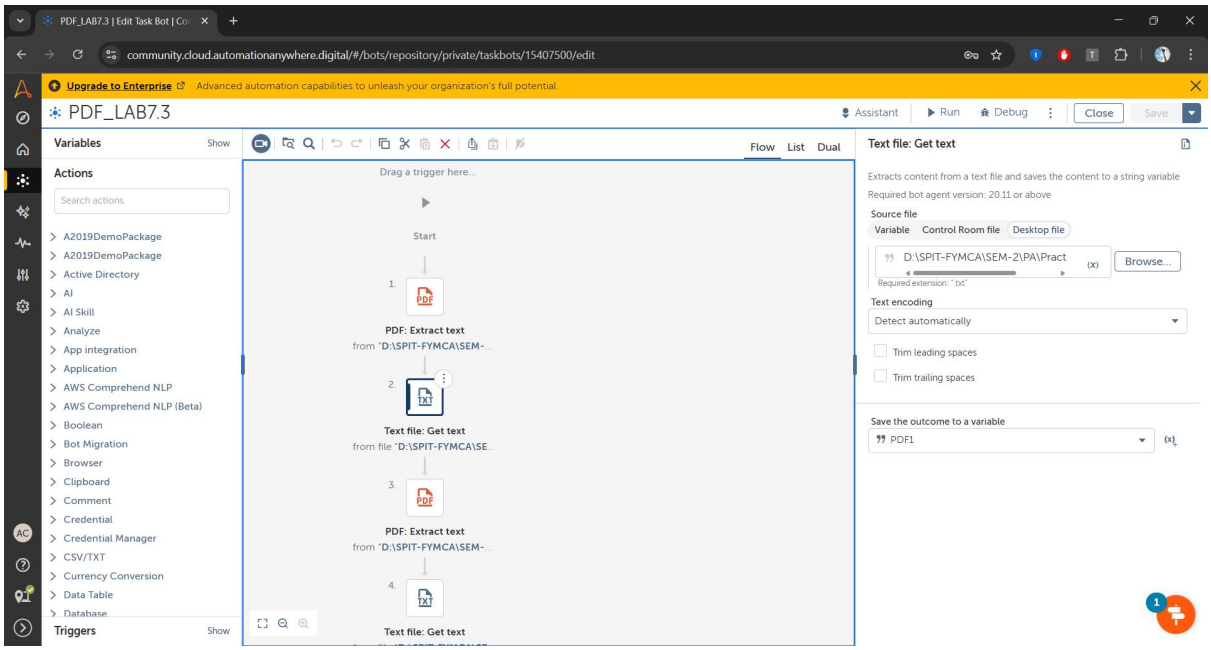


Step1:

Use the extract text action from PDF action to extract text from 1 pdf and store it in text file 1.

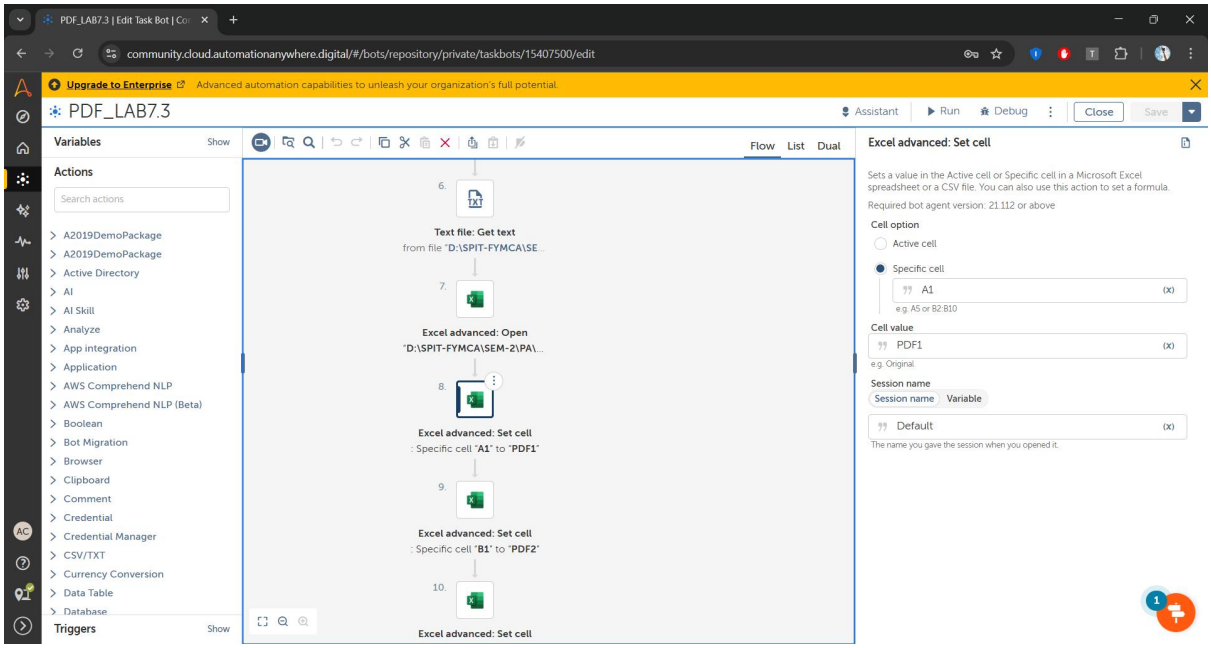


Step2: Now use get text action to get the text from the text file 1 and store it in a String variable.

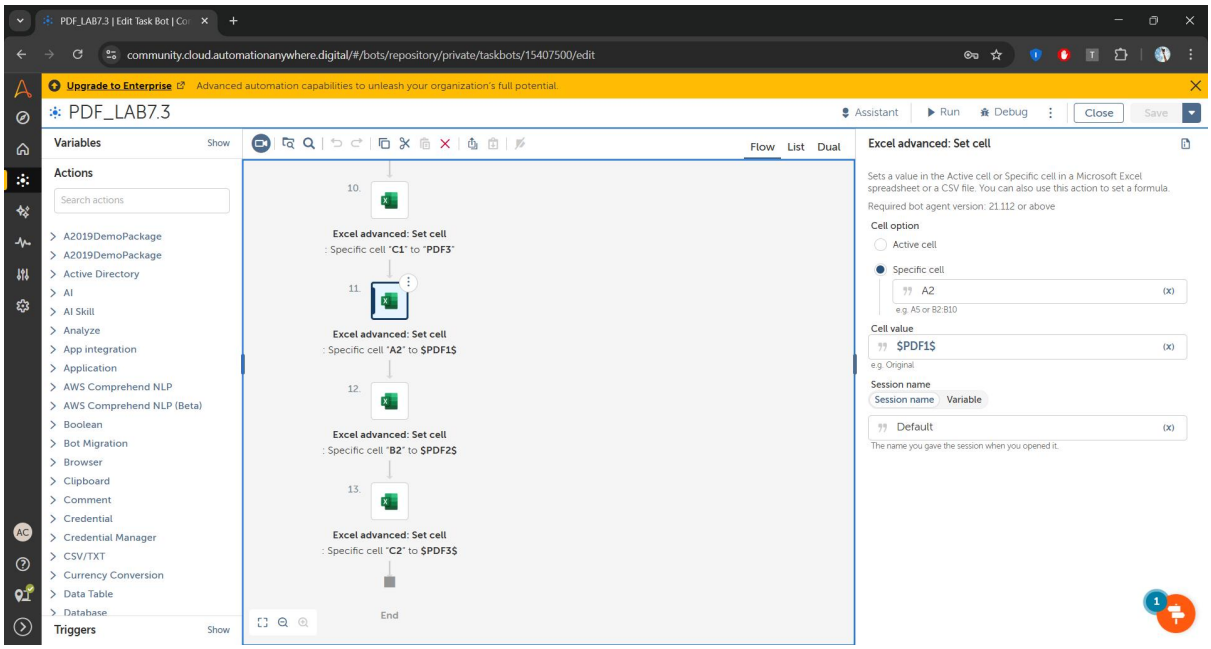


Step3: Similarly, do it for 2 more pdf.

Step4: open an Excel file and then set A1 cell as PDF1, B1 cell as PDF2 and C1 cell as PDF3



Step5: now go to cell A2 now use set cell and in the cell value give the variable name in which the extracted text from pdf1 is stored, similarly go to cell B2 set the cell value of PDF2 and lastly similarly go to cell C2 set the cell value of PDF3



Observation:

The experiment demonstrated that the bot successfully automated PDF encryption by interacting with UI elements such as buttons and text fields. Text extraction from PDFs was accurately performed, with the extracted content being stored in text files and later

retrieved using string variables. The bot effectively used conditional checks to identify specific words and log them separately. Additionally, text extraction from multiple PDFs was streamlined, with the data being organized into an Excel sheet.