

GSauto Notes:

To start Automating Google Sheets with Python you would first have to have Google Cloud setup and Generate a Service Account. With the help of the video titled “Automate Google Sheets With Python - Google Sheets API Tutorial” by YouTuber Tech With Tim I was able to set it up on my Gmail.

You would need to add the Credentials.json to your folder directory you are working on. (Note: I did not add it to Github repository GSauto because its like your password key to be able to Access your Google Sheets)

I also, created a python virtual environment and pip3 install google-api-python-client google-auth-http2 google-auth-oauthlib gspread

In transfer.py :

Is where I worked on connecting with the Google Sheets workbooks and writing python code. I had two Google Sheets, one called TodayGS and TomorrowGS. I first started to work on one google sheet, the TodayGS, then moved on working with both. After experimenting on what I wanted it to do, I copied the code over to codeBlocks.py file

In codeBlocks.py :

are written code you can copy and past into transfer.py to run.

At the top of each code block, I wrote in comments what the block of code will do and within each line of python code wrote comments on what its doing.

In prototypeGUI.py :

The idea was to upload pdf files from your computer into the tinter tree view, and select which language message to send to the client. Afterwards we would have it search for the client name by extracting the name from the pdf file name and get their email to email it to them. If client not found, writes NOT FOUND in tree view column and FOUND in its other column.

As you can see here, these are the Google Sheet workbooks I was working with:

[illegible]



A1

Name C33

	A	B	C	D	E	F	G	H	I
1	Name C33	ID	Phone	Email	Balance	Amount Due	Due Date	7/21/2024	
2	Elliot	369	105-333-4444	unknownem@er	16000	80000	7/23/2024	AV - Notes for Elliot	
3	Marco	101	641-567-9737	myemail@mail.c	20000	10000	7/24/2024	AV - Notes for Marco	
4	Bob	9496	945-327-7456	other@aol.co	5000	2500	7/26/2024	AV - Notes for Bob	
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GNN

C11

C22

C33