

Google Drive Space Saver. (GDSS)

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<https://github.com/gideonmehna/Google-Drive-Space-Saver/delete/main/token_drive_v3.pickle>

This is a simple desktop application built in Python works with Google Drive API to help you save your Google Drive Space.

Story.

Every one today is so busy and they do not have time to go through every file that is on their google drive. Time comes up and their drive is full and they need to empty it. But the thought of spending all the time to go through every single file is daunting. Why not have an app that randomly selects a file for you and helps you to do the job gradually with no pressure.

What it does.

GDSS will run through your google Drive and randomly choose a file, preferably one of your old files and present it to you. It will feel like you are seeing this one thing that you did not know you had, yet you had it and it takes up your space.

All you have to do is to decide, whether to delete that file, or to keep it or to back it up.

**Keep**: For some important files, you simply just tell GDSS to keep. It will know that you need these files.

**Delete**: For some files that you do not need, GDSS will delete them permanently. GDSS won’t be able to delete shared files.

**BackUp**: A backup file is a file that GDSS will download and delete from your drive to save your space.

How it Does it:

GDSS uses python and google Drive API to run everything. The graphical user interface is powered by Tkinter python library. This controls the buttons and the buttons control the functions that run in the backend to fetch a random file preferably one year before, check if we have not seen it already and display it to the user and let the user decide whether to keep, delete or backup.

Development Process.

As every development process can be, Google drive API was new to both of us and we took some time trying to figure out how to run it. We originally wanted to have a google chrome extension so that it loads only when a person quickly glances into their google drive. This way a person only has to deal with one file every time they open their google drive. And gradually they will save their drive space.

But because of time and because of the fact that we had used python, we were not able to totally dig into all the possible ways to make this possible. Nevertheless, Tkinter user interface does the job for us now.

Ian wrote most of the Python that runs in the backend while Gideon dealt with the code that runs on the front end.

Future Developments.

1. Chrome Extension. We hope that we can make this a chrome and more so a general web browser extension to help people save their space on google drive. This will lead us to the next step. We would probably have to write our code in JavaScript instead of Python.
2. Publishing the App on Google Cloud and Chrome Market Place.