**Student InspectorTM User Guide**

What is the Student InspectorTM?

* The Student InspectorTM is a program designed to track the contributions of google documents on google drive over a set time-period. It generates one pdf for a graphical summary of contributions for all users, as well as one more detailed pdf per contributor.

Running the app

* Open a terminal in the folder of the app
* Run “python GUI.py”

Choosing Files

* At the main screen, after login, there are three lists. The list labelled “Team Drive Selector” contains all the team drives you have access to. The lists labelled “Folder Selector” and “File Selector” contain all files and folders you have access to that are not contained within a team drive.
* To choose a Team Drive from the list labelled “Team Drive Selector” and press the “Select Team Drive” button. This will fill the “Folder Selector” and “File Selector” lists with folders and files from the chosen team drive. If you would like to run the program on the entire team drive you may do so by entering the start and end dates into the text boxes labelled “Time” and pressing the generate button.
* To choose a folder, select the folder from the list labelled “Folder Selector” and press the “Select Folder” button. This will fill the “File Selector” list with files from within the chosen folder. If you would like to run the program on the entire folder you may do so by entering the start and end dates into the text boxes labelled “Time” and pressing the generate button.
* To choose file, select the file from the list labelled “File Selector” and press the “Select File” button. If you would like to run the program on the entire folder you may do so by entering the start and end dates into the text boxes labelled “Time” and pressing the generate button.

Web Scraping

* After selecting the files/folders and date range for which you want to see contributions and pressing generate, a browser will open for you to login to Google Drive. This happens again so that the program does not save your personal username and password.
* Upon logging in, ensure that the browser that is being web scraped is
  + Not touched, and
  + Remains open on your screen

until the browser closes. This ensures that the web scraping process will run as intended. The closing of the browser indicates that

* Once the browser closes, allow the program around 5-10 seconds to generate the pdf reports

Limitations

* The program will only work on google docs/folders with seven or fewer contributors
* The program will not be able to differentiate between two contributors with the same name
* On large team drives or folders the program will take a while to select the drive or folder. Attempting to interact with the program while it is doing so could potentially cause it to crash so it is advised not to do so.
* The web scraping will take long periods of time to run on large team drives, folders and files.