**2. Discuss your current thinking about how a third party software system can invoke your module and interact with it.**

As a standalone application, any third party software system can download the application via the download link on our webpage. The application will be packaged in a zip file, and can be extracted to obtain 3 individual files which are as following :-

* A CSV file which is essentially the main input
* A CSV parameters file
* The executable application file itself

The application can be invoked by double clicking on the executable(.exe) file or typing the following command on the command line

start [application-name].exe

This will process the input and generate the required output file and a log file, as shown in the diagram previously.

Eventually, we expect our module to be available to third party applications more efficiently. With a GUI, there will be more flexibility in terms of modifying the param file as per the user’s requirement. Also, the user will be able to select an input file of his/her choice. Finally, using these files as input the GUI will allow the user to invoke the module to process the file and generate the output files. The output CSV and log files will be stored in the user’s computer. All of this will be done via an interactive graphical interface, which third party software systems can access using our webpage.