Expected formatting for input files:

Header row for MAP file:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Force List Code (ID) | Scenario/Vignette name | BCT Original | BCT New | Start | Duration | BCT Quantity |

BCT Original and BCT New are not actually used for anything, however, there still needs to be 7 columns in total. Columns C and D will be ignored when the programs reads in the data but the program assumes the data is formatted in this specific way. These columns can be left blank, but the start data column needs to be in column E. The column name should not matter, however the data in each column has to be in the correct ordering.

Additionally, all scenarios (SE-) that are listed in the map file must have a corresponding FORGE file in the inputs directory, otherwise an error will be thrown and the program will halt.

If the error message “could not find demand file inputs” is received, it is most likely being caused by a formatting issue with the FORGE files that are assumed to exist based on the data in the MAP.

* A window will pop up telling the user the expected file that was not found.

Header row for CONSLIDATED file:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Event Code | SCR2 | SRC | SRC TITLE | STR | QTY | Title 10\_32 |

All event codes should match exactly (classifications in front of the code will be ignored) to the Force List Code (ID). The column header names should not matter as long as the data in the file is in the same ordering.

First two header rows for FORGE file:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  | FwdStation | PH I |  |  |  | PH IIa |  |  |  | PH IIb |  |  |
| SRC | Title | Strength | Branc Code | Branch Label | Service | Day 0001 TP 1 | Day 0009 TP 2 | Day 0017 TP 3 | Day 0025 TP 4 | Day 0033 TP 5 | Day 0041 TP 6 | Day 0049 TP 7 | Day 0057 TP 8 | Day 0065 TP 9 | Day 0073 TP 10 | Day 0081 TP 11 | Day 0089 TP 12 |

In FORGE files, the first TWO rows contain header information. The first row contains the timing information for the phases. The phase start should be directly above the corresponding time period cell. The second row contains the identification and timing information. The timing and phase information can extend to any unspecified length starting at column G.

The column header names should not matter as long as the data is in the correct ordering. The phase names do not need to be in any specific format.

Some of the FORGE files contain rows with the aggregation of all the quantities for all SRCS in the file – this will be ignored. Any row with a blank SRC will not be included in the final demand file.

Debugging:

Errors encountered when reading the input files should create a pop up window detailing the cause of the error.

Other error messages might not be displayed when running the program from the jar file. If there is no windows confirming a file was created and no error windows appeared, then there was an error.

These error messages are displayed to standard output (System.out default in java). To see any error message, the jar has to be run using a terminal prompt (powershell/cmd on Windows). To run from terminal use the command:

“java -jar [path to jar file]”, and all output message will be displayed in the terminal.

Error message will also be displayed when running the functions directly from the clojure environment.