StopLists Documentation

N:\Planning - New File Structure\GIS\VRT\_PythonScripts\ServiceChanges\StopLister\StopLists Documentation.docx

This script reads in a GTFS feed and the Master Bus Stop List and returns an Excel spreadsheet of stop amenities for a given route.

Requisites

* [Python 3](https://www.python.org/)
* [GTFSTK](https://mrcagney.github.io/gtfstk_docs/)
* [Pandas](https://pandas.pydata.org/pandas-docs/stable/)
* [Numpy](https://docs.scipy.org/doc/numpy/)
* [TKInter](https://docs.python.org/3/library/tkinter.html)
* [Jupyter](https://jupyter.org/documentation)/IPython

Usage

1. Run the script. A dialog box will open. Find the GTFS feed and the MBSL you’d like to use, and the location you’d like to save the data. You can also choose a route or run it for all. **TODO: The route selection dropdown is based on the current published** [**http://valleyregionaltransit.org/gtfs/VRT\_Transit1.zip**](http://valleyregionaltransit.org/gtfs/VRT_Transit1.zip) **GTFS feed. The dropdown should change when the user selects a different GTFS feed.**
2. The output will be an Excel spreadsheet with a tab for each pattern. The five columns on the right are what you’ll publish. The rest are just for your benefit. The Pattern column is assigned in order by trip\_id, so it’s really not very meaningful. I would recommend changing these to uniquely identify the pattern (i.e. <route><direction><time of day (if applicable)>).
3. The Accessible and Shelter data are provided from the Master Bus Stop List. If these two cells are blank for a stop, it is not in the MBSL. Work with Jake to remedy that. **TODO: pull stop amenity data from FleetNet.**
4. The final data feeds the [Compiled Stop List spreadsheet](file:///\\VRIDE-FS2\Development\Planning%20-%20New%20File%20Structure\GIS\Compiled%20Stop%20List.xlsx), which makes it nice and pretty. **TODO: Work with IT to better align output with final product**