

CS562: Applied Software Engineering

Project Proposal

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Part 2: Initial version of testing system in TSTL

Astropy Library installation:

“pip install astropy” OR “pip install --no-deps astropy”

Running TSTL Files:

part2_bug_1.tstl: Update column unit is not working (error1)

To run this file which triggers a bug, use the following command in your Linux terminal. You can refer to the TSTL file for more details and instructions:

- 1- Copy ***part2_bug_1.tstl*** file to the latest version of TSTL generators folder.
- 2- Run “***tstl part2_bug_1.tstl***” to compile the TSTL file, then
- 3- Run “***python randomtester.py -t 60 >part2_bug_1_results.txt***”

part2_bug_2.tstl: Usage before assignment error when adding a column not in the table even using `rename_duplicate = True` (error 2)

To run the second file which triggers the usage before assignment error, use the following command in your Linux terminal. You can refer to the TSTL file for more details and instructions:

- 1- Copy ***part2_bug_2.tstl*** file to the latest version of TSTL generators folder.
- 2- Run “***tstl part2_bug_2.tstl***” to compile the TSTL file, then
- 3- Run “***python randomtester.py -t 60 >part2_bug_2_results.txt***”