Project GitHub URL : #https://github.com/dtsairi/gm_david_tsairi_v1

The project aim to run the following use cases:

1. State Parking : RVC OFF + Display at default mode
2. State Parking2Drive : RVC OFF + Display at default mode
3. State Parking2Reverse : RVC ON + Display at RVC mode
4. State Drive2Reverse : RVC ON + Display at RVC mode
5. Exit Parking-->Drive-->Reverse-->Drive : RVC OFF + Display set to Previous mode [Info/Radio/Navigate], Previous Mode to be randomize
6. Exit Parking-->Drive-->Reverse-->Parking : RVC OFF + Display set to Previous mode [Info/Radio/Navigate], Previous Mode to be randomize
7. Change into different Wheel angle and compare to vcu guidelines calc angle, add Wheel angle as variation, Gear Park--> Reverse, Camera enabled.
8. Check rvc output is matching Display output, compare RVC, Disaply Vs. Predefined Images , for instance: R.G.B (3 images), Ref_image abs path, can be added as variation
9. Check camera disable\enable
10. Check camera disable\enable with cycles, each cycle the previous state will be randomize

Assumptions:

- Gear state can shift to any desired state out of the following 3 options :Parking\Drive\Reverse
- If Camera has been disabled then when moving into Reverse gear, the display will stay with current mode and will not change to stream the camera image.

Instructions:

- The main file to run is **gm_Runner.py**, so it can from command line without additional arguments.
- The default case will run all use cases serially (in order to run each case by itself, it can be done by comments out since that function wasn't added yet.
- Each test located in separated files which start with gm_test_XXX which include a test_package() to allow different test variations