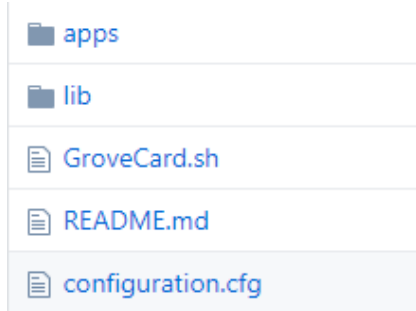


Grove IoT Card Test Program Overview

Test program is written in shell script providing functions to test Grove IoT Card.

1. Folder Structure:



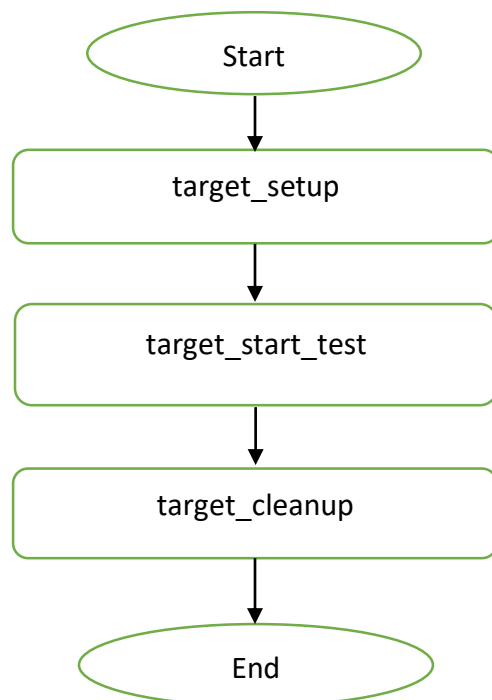
apps: Legato applications support for testing.

lib: It contains common functions support for testing.

GroveCard.sh: Drivers testing program

configuration.cfg: It describes target IP, module type, UART port.

2. Work Flow:



target_setup:

- Setup target environment.
- Install applications.

target_start_test:

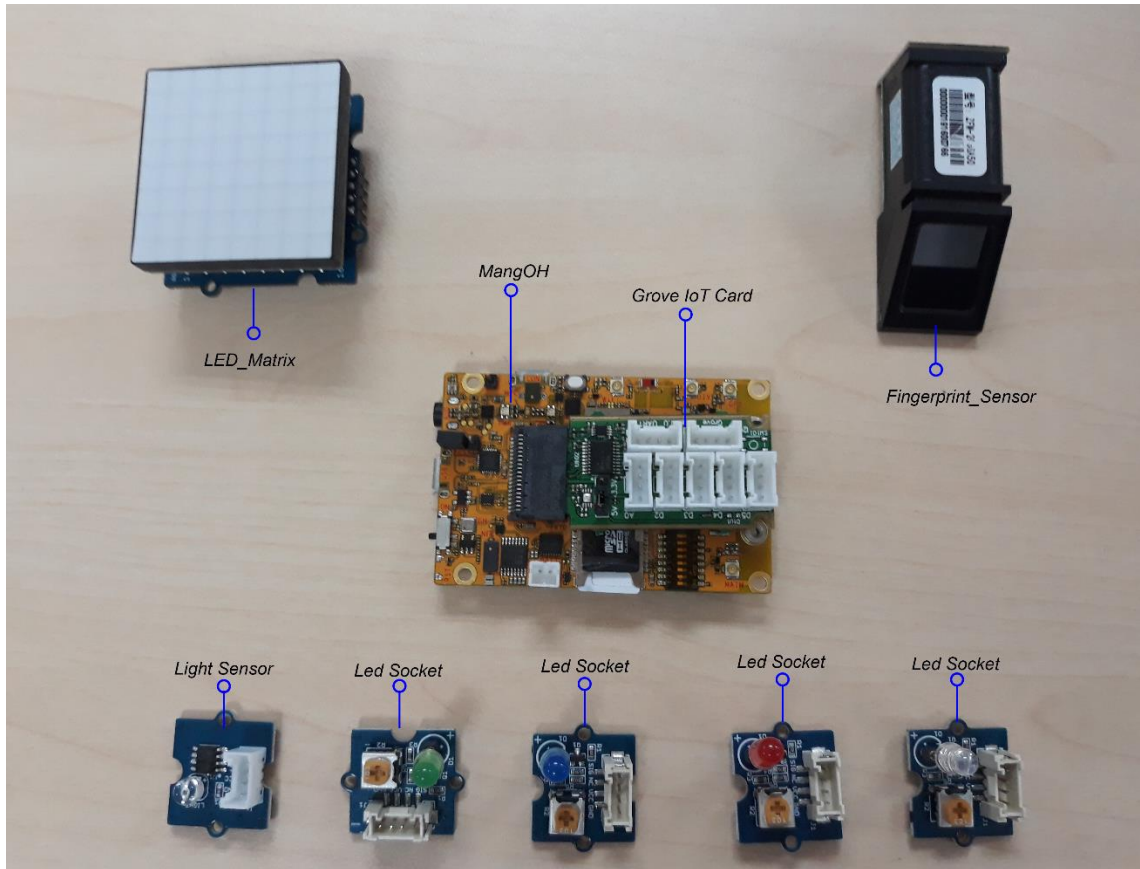
- Run testing functions.
- Assert Passed/Failed for each testing function.
- Get log.

target_cleanup:

- Restoring target.
- Assert Passed/Failed for test program.

3. Hardware requirements:

- Linux Machine
- USB cable
- mangOH Yellow
- Grove IoT card.
- Grove Led Matrix (I2C):
 - http://wiki.seeedstudio.com/GroveRed_LED_Matrix_w_Driver/
- Grove - Light Sensor:
 - http://wiki.seeedstudio.com/Grove-Light_Sensor/
- Grove - Fingerprint Sensor:
 - http://wiki.seeedstudio.com/Grove-Fingerprint_Sensor/
- Grove Led Socket Kit:
 - http://wiki.seeedstudio.com/Grove-LED_Socket_Kit/



4. How to run:

1. Copy test program to any directory on the Linux machine
2. From the copied directory execute command: “***./GroveCard.sh***” and follow the prompts

5. PASSED/FAILED Assert:

If in the end of testing, console returns **[PASSED]** that mean testing is passed, **[FAILED]** that mean testing is failed.