Test plan:

- Sprint_3 -
- MasterBranch -

The test plan for sprint_3 consists of unit and system tests which assume that the in individual hardware components (i.e. Button(s), Sensor(s), etc.) work properly. Other tests in this plan include the successful execution and correct output from the test files provided (CTS1RUN1.txt, CTS2RUN2.txt) as well as our own test files (Sprint2TestFile.txt, Group Test.txt, etc.).

The most important thing to test in this sprint is the overall functionality of the system (i.e. connecting channels, recording an IND, PARIND, GRP race, DNF, CANCEL, etc.). To run all of the test classes run the TestSuite class. The FileTesting class runs files that contain sequences of valid commands through the simulator at routes the output to appropriately named files, one for each input test file (this is where the two files, CTS1RUN1 and CTS2RUN2, that were provided are tested).

Some more black box and white box testing will occur in the later sprints, along with more extensive method coverage/unit tests for more component class.

Sprint_3+ TODO:

- Integration testing
- More unit testing
    - IND, PARIND, GRP
    - Racer testing
    - Run testing
    - Pool testing
    - Channels testing
    - System testing
    - File testing