

Test plan:

- Sprint_2 -
- MasterBranch -

The test plan for sprint_2 mainly consists of system level tests which assume that the individual components (i.e. Button(s), Sensor(s), Clock, 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 (Sequence<num>.txt).

Due to the time constraints for this Sprint, more extensive unit testing will be done later.

The most important thing to test in this sprint is the overall functionality of the system (i.e. connecting channels, recording an IND and PARIND race, DNF, CANCEL, etc.). Other important tests are included in the FileTesting.java class, which runs a sequence of valid commands through the simulator via text files, aka “test files” (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 each component class.

Sprint_2+ TODO:

- Need to test User/Simulator driven commands (BlackBox testing from the user's perspective). Automate as much as possible!
- Need to create unit tests for individual components (i.e. whitebox tests that are nested inside of component packages)