NETWORK FLOW

TEST REPORT

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I. OVERVIEW

Describe high level test plan objectives, such as features to be tested and type of testing. The goal is to provide a framework that can be used by managers and tester to plan and execute the necessary test in a timely and cost-effective manner.

II. TEST REPORT

As described in the Test plan document, most of the software functional requirements are tested using Junit Framework building on top of java. Input for our test cases are paths to json files where map info (cars and components) are contained that tries to test/break the program. Stop sign result for Unit testing using Junit are shown in Figure II.1. Along with Junit framework testing, we test the GUI manually. This help ensure the software to deliver the most realistic view to user. The manual test results are shown in Table II.1.

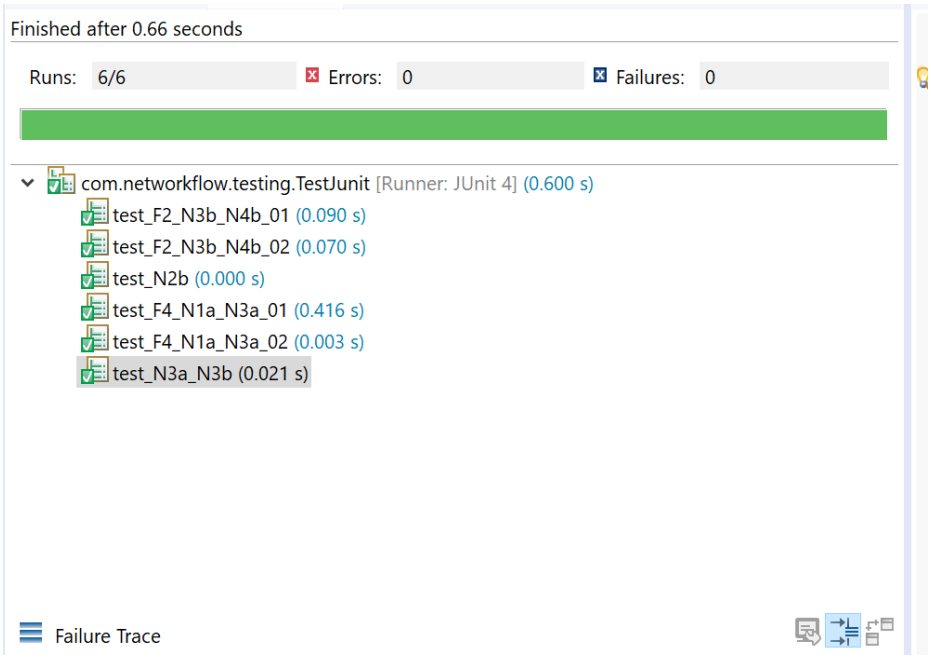

Figure II.1 StopSign result for System unit test using Junit framework. Date of conducting test 4/2/2019

Test Case	Fail/Pass	Expected Output	Actual Output
Date of Test: 4/5/2019 Reason: Initial System test			
1	Pass	Functional display with Controllable UI	Slider display correct values. App pops up external display when user click in file chooser option
4	Pass	Car successfully turn at intersection	Car successfully turn at intersection.
8	Pass	Successfully run application on different type of OS(Window, Linux, and Mac)	Successfully run application on different type of OS(Window, Linux, and Mac)

10	Fail	Car would perform a Uturn when drive out of the map	Car Drive out without turning back
11	Pass	Only one car is allowed to move in a stop sign at a turn. 4 cars successfully move after other	At stop sign, cars successfully yield and turn
Date of Test: 4/5/2019 Reason: Test After adding UI Control.			
1	Pass	Functional display with Controllable UI	Slider display correct values. Button work as expected
4	Pass	Car successfully turn at intersection	Car successfully turn at intersection.
8	Pass	Successfully run application on different type of OS(Window, Linux, and Mac)	Successfully run application on different type of OS(Window, Linux, and Mac)
10	Fail	Car would perform a Uturn	Car stop
11	Pass	Only one car can move in a stop sign at a turn. 4 cars successfully move after other	At stop sign, cars successfully yield and turn
Date of Test: 4/5/2019 Reason: Test after add car logic when moving out of map.			

1	Pass	Functional display with Controllable UI	Slider display correct values. Button work as expected
4	Pass	Car successfully turn at intersection	Car successfully turn at intersection.
8	Pass	Successfully run application on different type of OS(Window, Linux, and Mac)	Successfully run application on different type of OS(Window, Linux, and Mac)
10	Fail	Car would perform a Uturn when drive out of the map	Car stop
11	Pass	Only one car can move in a stop sign at a turn. 4 cars successfully move after other	At stop sign, cars successfully yield and turn

Table II.1: show result of system manual test