

Unit Testing Report

for Smart Humidifier System

Project Team

Team 4

Date

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Team Information

고현서

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1 Introduction

1.1 Objectives

본 문서는 2022년 동국대학교의 캡스톤 디자인 강의의 실습과제를 설명한다. 실습과제는 스마트 가습기 시스템(SHS)을 아두이노와 앱인벤터를 통해 구현하는 것을 의미한다.

1.6 References

T4_2022_SRA_SHS_Ver5.0

T4_2022_UTP_SHS_Ver1.0

2 Unit test case specification

2.1 Test case specification identifier

<Table 1 : Test Design Identification>

Identifier	Feature(Process DFD)	Valid/ Invalid value
TEAM4_SHS_0_000_000	1.1.1 LCD_SET	Data Input : t = 25, h = 40
TEAM4_SHS_0_001_000	1.2.1 Water Level Inspection	Data Input : commandInspectionData. water_level = 90

TEAM4_SHS_0_001_001	1.2.1 Water Level Inspection	Data Input : commandInspectionData.water_level = 100
TEAM4_SHS_0_002_000	1.3.1 Mode Controller	Data Input : CommandData.mode_set = "1" CommandData.auto_control = 0
TEAM4_SHS_0_002_001	1.3.1 Mode Controller	Data Input : CommandData.mode_set = "2" CommandData.auto_control = 0
TEAM4_SHS_0_002_002	1.3.1 Mode Controller	Data Input : CommandData.mode_set = "4" CommandData.auto_control = 0
TEAM4_SHS_0_002_003	1.3.1 Mode Controller	Data Input : CommandData.mode_set = "5" CommandData.auto_control = 0
TEAM4_SHS_0_002_004	1.3.1 Mode Controller	Data Input : CommandData.mode_set = "6" CommandData.auto_control = 0
TEAM4_SHS_0_003_000	1.3.2 Manual Mode Controller	Data Input :

		<p>manualActiveCommandData.mode_set =</p> <p>"1"</p> <p>manualActiveCommandData auto_control</p> <p>= 0</p>
TEAM4_SHS_0_003_001	1.3.2 Manual Mode Controller	<p>Data Input :</p> <p>manualActiveCommandData.mode_set =</p> <p>"3"</p> <p>CommandData. auto_control = 1</p>
TEAM4_SHS_0_003_002	1.3.2 Manual Mode Controller	<p>Data Input :</p> <p>manualActiveCommandData.mode_set =</p> <p>"1"</p> <p>manualActiveCommandData.auto_control</p> <p>= 0</p>
TEAM4_SHS_0_003_003	1.3.2 Manual Mode Controller	<p>Data Input :</p> <p>manualActiveCommandData.mode_set =</p> <p>"2",</p> <p>CommandData.auto_control = 0</p>
TEAM4_SHS_0_003_004	1.3.2 Manual Mode Controller	Data Input :

		manualActiveCommandData.mode_set = "1" manualActiveCommandData.auto_control = 0
TEAM4_SHS_0_003_005	1.3.2 Manual Mode Controller	Data Input : manualActiveCommandData.mode_set = "1" manualActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_000	1.3.3.1 Auto Mode Control_ON	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_001	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55
TEAM4_SHS_0_004_002	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18

		autoActiveCommandData.temp = 65
TEAM4_SHS_0_004_003	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35
TEAM4_SHS_0_004_004	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_005	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55
TEAM4_SHS_0_004_006	1.3.3.2 Auto Mode Control_OFF	Data Input : autoActiveCommandData.mode_set = "4", autoActiveCommandData.auto_control = 0, autoActiveCommandData.temp = 17, autoActiveCommandData.humi =45
TEAM4_SHS_0_004_007	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5",

		autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_008	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_009	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_010	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_011	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_012	1.3.3 Auto Mode Controller	Data Input :

		autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_013	1.3.3.1 Auto Mode Control_ON	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_014	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55
TEAM4_SHS_0_004_015	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65
TEAM4_SHS_0_004_016	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35
TEAM4_SHS_0_004_017	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22

		autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_018	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55
TEAM4_SHS_0_004_0019	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_020	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_021	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_022	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set

		="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_023	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_024	1.3.3 Auto Mode Controller	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_025	1.3.3.1 Auto Mode Control_ON	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_026	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55
TEAM4_SHS_0_004_027	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1",

		autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65
TEAM4_SHS_0_004_028	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35
TEAM4_SHS_0_004_029	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_030	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55
TEAM4_SHS_0_004_031	1.3.3.1 Auto Mode Control_ON	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_032	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55

TEAM4_SHS_0_004_033	1.3.3.1 Auto Mode Control_ON	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65
TEAM4_SHS_0_004_034	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35
TEAM4_SHS_0_004_035	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45
TEAM4_SHS_0_004_036	1.3.3.2 Auto Mode Control_OFF	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55
TEAM4_SHS_0_005_000	1.4.1 Setting Mode Controller	Data Input : input_humi = "std", humi = 50, user_humi = 60, only_set = 1, higher_humi = 1
TEAM4_SHS_0_005_001	1.4.1 Setting Mode Controller	Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1

TEAM4_SHS_0_005_002	1.4.1 Setting Mode Controller	Data Input : input_humi = "std", humi = 50, user_humi = 60, only_set = 1, higher_humi = 1
TEAM4_SHS_0_005_003	1.4.1 Setting Mode Controller	Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1
TEAM4_SHS_0_005_004	1.4.1 Setting Mode Controller	Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1
TEAM4_SHS_0_005_005	1.4.1 Setting Mode Controller	Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1
TEAM4_SHS_0_005_006	1.4.1 Setting Mode Controller	Data Input : user_humi = -10
TEAM4_SHS_0_005_007	1.4.1 Setting Mode Controller	Data Input : user_humi = 95

2.2 Test items

<Table 2 : Test Case Identification>

Test case Identifier	Input Specification	Output Specification
TEAM4_SHS_0_000_000	Data Input : t = 25, h = 40	"temperature : 25°C humidity : 40%" 출력
TEAM4_SHS_0_001_000	Data Input : commandInspectionData. water_level = 90	commandInspectionData.info_water = 1
TEAM4_SHS_0_001_001	Data Input : commandInspectionData.water_level = 100	commandInspectionData.info_water = 0
TEAM4_SHS_0_002_000	Data Input : CommandData.mode_set = "1" CommandData.auto_control = 0	CommandData.mode_result = 30
TEAM4_SHS_0_002_001	Data Input : CommandData.mode_set = "2" CommandData.auto_control = 0	CommandData. mode_result = 31
TEAM4_SHS_0_002_002	Data Input : CommandData.mode_set = "4" CommandData.auto_control = 0	CommandData. mode_result = 1
TEAM4_SHS_0_002_003	Data Input :	CommandData.manualActiveCommandData

	<p>CommandData.mode_set = "5"</p> <p>CommandData.auto_control = 0</p>	. mode_result = 34,
TEAM4_SHS_0_002_004	<p>Data Input :</p> <p>CommandData.mode_set = "6"</p> <p>CommandData.auto_control = 0</p>	CommandData. mode_result = 40
TEAM4_SHS_0_003_000	<p>Data Input :</p> <p>manualActiveCommandData.mode_set = "1"</p> <p>manualActiveCommandData</p> <p>auto_control = 0</p>	<p>manualActiveCommandData.result_manual_</p> <p>on = 30,</p> <p>manualActiveCommandData.auto_control = 0</p>
TEAM4_SHS_0_003_001	<p>Data Input :</p> <p>manualActiveCommandData.mode_set = "3"</p> <p>CommandData. auto_control = 1</p>	<p>manualActiveCommandData.result_manual_</p> <p>on = 40</p>
TEAM4_SHS_0_003_002	<p>Data Input :</p> <p>manualActiveCommandData.mode_set = "1"</p> <p>manualActiveCommandData.auto_contro</p> <p>I = 0</p>	<p>manualActiveCommandData.mode_result = 30</p> <p>manualActiveCommandData.auto_control = 0</p>

TEAM4_SHS_0_003_003	Data Input : manualActiveCommandData.mode_set = "2", CommandData.auto_control = 0	autoActiveCommandData.mode_result = 31 autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_003_004	Data Input : manualActiveCommandData.mode_set = "1" manualActiveCommandData.auto_contro l = 0	autoActiveCommandData.mode_result = 30 autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_003_005	Data Input : manualActiveCommandData.mode_set = "1" manualActiveCommandData.auto_contro l = 0	autoActiveCommandData.mode_result = 30 autoActiveCommandData.auto_control = 0
TEAM4_SHS_0_004_000	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45	autoActiveCommandData. result_auto_humi_succeed= 32
TEAM4_SHS_0_004_001	autoActiveCommandData.mode_result="1",	autoActiveCommandData.result_auto_humi

	1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55	= 32
TEAM4_SHS_0_004_002	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65	autoActiveCommandData. result_auto_humi = 32
TEAM4_SHS_0_004_003	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_004	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_005	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_006	Data Input : autoActiveCommandData.mode_set = "4", autoActiveCommandData.auto_control = 0,	autoActiveCommandData.result_auto_humi = 40

	<p>autoActiveCommandData.temp = 17,</p> <p>autoActiveCommandData.humi =45</p>	
TEAM4_SHS_0_004_007	<p>Data Input :</p> <p>autoActiveCommandData.mode_set</p> <p>= "5",</p> <p>autoActiveCommandData.auto_control =</p> <p>0</p>	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_008	<p>Data Input :</p> <p>autoActiveCommandData.mode_set</p> <p>= "5",</p> <p>autoActiveCommandData.auto_control =</p> <p>0</p>	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_009	<p>Data Input :</p> <p>autoActiveCommandData.mode_set</p> <p>= "5",</p> <p>autoActiveCommandData.auto_control =</p> <p>0</p>	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_010	<p>Data Input :</p> <p>autoActiveCommandData.mode_set</p>	autoActiveCommandData.mode_result = 34

	="5", autoActiveCommandData.auto_control = 0	
TEAM4_SHS_0_004_011	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_012	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_013	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45	autoActiveCommandData. result_auto_humi_succeed= 32
TEAM4_SHS_0_004_014	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22	autoActiveCommandData.result_auto_humi = 32

	autoActiveCommandData.temp = 55	
TEAM4_SHS_0_004_015	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65	autoActiveCommandData. result_auto_humi = 32
TEAM4_SHS_0_004_016	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_017	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_018	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_001 9	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_020	Data Input :	autoActiveCommandData.mode_result = 34

	autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	
TEAM4_SHS_0_004_021	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_022	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_023	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34

TEAM4_SHS_0_004_024	Data Input : autoActiveCommandData.mode_set ="5", autoActiveCommandData.auto_control = 0	autoActiveCommandData.mode_result = 34
TEAM4_SHS_0_004_025	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45	autoActiveCommandData. result_auto_humi_succeed= 32
TEAM4_SHS_0_004_026	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55	autoActiveCommandData.result_auto_humi = 32
TEAM4_SHS_0_004_027	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65	autoActiveCommandData. result_auto_humi = 32
TEAM4_SHS_0_004_028	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_029	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35	autoActiveCommandData.result_auto_humi

	1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45	= 33
TEAM4_SHS_0_004_030	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_031	Data Input : autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 45	autoActiveCommandData. result_auto_humi_succeed= 32
TEAM4_SHS_0_004_032	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 55	autoActiveCommandData.result_auto_humi = 32
TEAM4_SHS_0_004_033	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 65	autoActiveCommandData. result_auto_humi = 32
TEAM4_SHS_0_004_034	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 24 autoActiveCommandData.temp = 35	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_004_035	autoActiveCommandData.mode_result="	autoActiveCommandData.result_auto_humi

	1", autoActiveCommandData.humi = 22 autoActiveCommandData.temp = 45	= 33
TEAM4_SHS_0_004_036	autoActiveCommandData.mode_result="1", autoActiveCommandData.humi = 18 autoActiveCommandData.temp = 55	autoActiveCommandData.result_auto_humi = 33
TEAM4_SHS_0_005_000	Data Input : input_humi = "std", humi = 50, user_humi = 60, only_set = 1, higher_humi = 1	setActiveCommandData.result_set_mode_on = 35
TEAM4_SHS_0_005_001	Data Input : input_humi = "std", Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1	setActiveCommandData.result_set_mode_on = 36
TEAM4_SHS_0_005_002	Data Input : input_humi = "std", humi = 50, user_humi = 60, only_set = 1, higher_humi = 1	setActiveCommandData.result_set_mode_on = 35
TEAM4_SHS_0_005_003	Data Input : input_humi = "std", Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1	setActiveCommandData.result_set_mode_on = 36

TEAM4_SHS_0_005_004	Data Input : input_humi = "std", Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1	setActiveCommandData.result_set_mode_on = 36
TEAM4_SHS_0_005_005	Data Input : input_humi = "std", Data Input : input_humi = "std", humi = 50, user_humi = 60, humi_up = 70, only_set = 1, higher_humi = 1, pause = 1	setActiveCommandData.result_set_mode_on = 36
TEAM4_SHS_0_005_006	Data Input : user_humi = -10	setActiveCommandData.result_set_mistake = 37
TEAM4_SHS_0_005_007	Data Input : user_humi = 95	setActiveCommandData.result_set_mistake = 37

2.3 Input specifications

<Table 1 : Test Design Identification> 참조

8.4 Output Specifications

<Table 2 : Test Case Identification> 참조

3 Environmental needs

UTP_Ver1.0, 9 Environmental needs 참조

4. Unit test summary report identifier

4.1 Test summary report identifier

Test Case Identifier	Result
TEAM4_SHS_0_000_000	Passed
TEAM4_SHS_0_001_000	Passed
TEAM4_SHS_0_001_001	Passed
TEAM4_SHS_0_002_000	Passed
TEAM4_SHS_0_002_001	Passed
TEAM4_SHS_0_002_002	Passed
TEAM4_SHS_0_002_003	Passed
TEAM4_SHS_0_002_004	Passed
TEAM4_SHS_0_003_000	Passed
TEAM4_SHS_0_003_001	Passed
TEAM4_SHS_0_003_002	Passed
TEAM4_SHS_0_003_003	Passed
TEAM4_SHS_0_003_004	Passed

TEAM4_SHS_0_003_005	Passed
TEAM4_SHS_0_004_000	Passed
TEAM4_SHS_0_004_001	Passed
TEAM4_SHS_0_004_002	Passed
TEAM4_SHS_0_004_003	Passed
TEAM4_SHS_0_004_004	Passed
TEAM4_SHS_0_004_005	Passed
TEAM4_SHS_0_004_006	Passed
TEAM4_SHS_0_004_007	Passed
TEAM4_SHS_0_004_008	Passed
TEAM4_SHS_0_004_009	Passed
TEAM4_SHS_0_004_010	Passed
TEAM4_SHS_0_004_011	Passed
TEAM4_SHS_0_004_012	Passed
TEAM4_SHS_0_004_013	Passed
TEAM4_SHS_0_004_014	Passed

TEAM4_SHS_0_004_015	Passed
TEAM4_SHS_0_004_016	Passed
TEAM4_SHS_0_004_017	Passed
TEAM4_SHS_0_004_018	Passed
TEAM4_SHS_0_004_0019	Passed
TEAM4_SHS_0_004_020	Passed
TEAM4_SHS_0_004_021	Passed
TEAM4_SHS_0_004_022	Passed
TEAM4_SHS_0_004_023	Passed
TEAM4_SHS_0_004_024	Passed
TEAM4_SHS_0_004_025	Passed
TEAM4_SHS_0_004_026	Passed
TEAM4_SHS_0_004_027	Passed
TEAM4_SHS_0_004_028	Passed
TEAM4_SHS_0_004_029	Passed
TEAM4_SHS_0_004_030	Passed

TEAM4_SHS_0_004_031	Passed
TEAM4_SHS_0_004_032	Passed
TEAM4_SHS_0_004_033	Passed
TEAM4_SHS_0_004_034	Passed
TEAM4_SHS_0_004_035	Passed
TEAM4_SHS_0_004_036	Passed
TEAM4_SHS_0_005_000	Passed
TEAM4_SHS_0_005_001	Passed
TEAM4_SHS_0_005_002	Passed
TEAM4_SHS_0_005_003	Passed
TEAM4_SHS_0_005_004	Passed
TEAM4_SHS_0_005_005	Passed
TEAM4_SHS_0_005_006	Passed
TEAM4_SHS_0_005_007	Passed

4.2 Evaluation

Total Test Case : 59

Passed : 59

Failed : 0