

System Test Report for Network Printer System

- Test Cases Specification
- Test Summary Report

Project Team

Team 2

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1 Introduction

1.1 Objectives

본 문서는 2015년 2학기 건국대학교 Software Engineering(2015SE) 수업에서 T1 이 개발한 Network Printer System(NPS)를 System Test를 위한 System Test Result(STR)이다.

1.2 References

2015 -SE NPS SRA ver.3.0

2015 -SE NPS SDS ver.2.0

2015 -SE NPS UM ver.1.5.

2 System test case specification

<Table 1 Test Cases Identification & Result>참조

2.1 Test case specification identifier

2.2 Test items

2.3 Input specifications

2.4 Output specifications

3 Environmental needs

NPS를 실행하기 위한 PC - Cygwin 필요

4 System test summary report

4.1 Test summary report identifier

<Table 1 Test Cases Identification & Result>참조

4.2 Evaluation

Total test case : 85

Passed : 74

Failed : 11

<Table 1 Test Cases Identification & Result>

Test case identifier	Input specification	Output specification	Pass/Fail
T1_NPS_STC_000_000	(AdminData) Admin Reg userA	"UserA is already registered"	Pass
T1_NPS_STC_000_001	(AdminData) Admin Reg userB	"UserB is successfully registered"	Pass
T1_NPS_STC_000_002	(AdminData) Admin Reg aaaa	"aaaa is successfully registered"	Pass
T1_NPS_STC_000_003	(AdminData) Admin Reg userC	"UserC is successfully registered"	Pass
T1_NPS_STC_000_004	(AdminData) Admin Del userA	"userA is successfully deleted"	Pass
T1_NPS_STC_000_005	(AdminData) Admin Del userZ(no exist)	"userA is not exist in User database"	Pass
T1_NPS_STC_000_006	(AdminData) Admin Del userC	"userC is successfully deleted"	Pass
T1_NPS_STC_000_007	(AdminData) Admin Del aaaa	"aaaa is successfully deleted"	Pass
T1_NPS_STC_000_008	(AdminData) Admin A4 100(Current A4 =0)	Current Paper =100 Status => "Charging"	Pass
T1_NPS_STC_000_009	(AdminData) Admin A4 100(Current A4 =10)	"Cannot execute command"	Pass
T1_NPS_STC_000_010	(AdminData) Admin A4 120(Current A4 =0)	"Range of A4 os 1 to 100"	Pass
T1_NPS_STC_000_011	(AdminData) Admin A4 50(Current A4 =50)	Current Paper Status => "Charging"	Pass
T1_NPS_STC_000_012	(AdminData) Admin Ink 3000(CI = 0)	Current Ink = 3000 Status =>"Charging"	Pass
T1_NPS_STC_000_013	(AdminData) Admin Ink -50(Current InK = 0)	"Range of Ink is 1 to 3000"	Pass
T1_NPS_STC_000_014	(AdminData) Admin Ink 3000(CI = 100)	"Cannot execute command"	Pass
T1_NPS_STC_000_015	(AdminData) Admin Ink 3100(CI = 100)	"Range of Ink is 1 to 3000"	Pass
T1_NPS_STC_000_016	(AdminData) Paper 충전중일시 Admin Ink 150	"Printer is charging now"	Pass
T1_NPS_STC_000_017	(AdminData) Paper 충전중일시 Admin Ink 500	"Printer is charging now"	Pass
T1_NPS_STC_000_018	(AdminData) Paper 충전중일시 Admin Ink 1500	"Printer is charging now"	Pass
T1_NPS_STC_000_019	(AdminData) Ink 충전중일시 Admin A4 50	"Printer is charging now"	Pass
T1_NPS_STC_000_020	(AdminData) Ink 충전중일시 Admin A4 15	"Printer is charging now"	Pass
T1_NPS_STC_001_000	(UserData) userA abc.txt userA가 DB에 있을시	"Preprocess Success RP=(abc.txt의 종이수) RI=(abc.txt의 잉크수)"	Pass
T1_NPS_STC_001_001	(UserData) userA b.txt	"Preprocess Success"	Pass

	userA가 DB에 있을시	RP=(b.txt의 종이수) RI=(b.txt의 잉크수)"	
T1_NPS_STC_001_002	(UserData) user a.txt user가 DB에 있을시	"Preprocess Success RP=(a.txt의 종이수) RI=(a.txt의 잉크수)"	Pass
T1_NPS_STC_001_003	(UserData) userA a.txt userA가 DB에 있을시	"Preprocess Success RP=(a.txt의 종이수) RI=(a.txt의 잉크수)"	Pass
T1_NPS_STC_001_004	(UserData) userB d.txt userB가 DB에 있을시	"Preprocess Success RP=(d.txt의 종이수) RI=(d.txt의 잉크수)"	Pass
T1_NPS_STC_001_005	(UserData) aaaa a.txt aaaa가 DB에 있을시	"Preprocess Success RP=(a.txt의 종이수) RI=(a.txt의 잉크수)"	Pass
T1_NPS_STC_001_006	(UserData) aaaa aa.txt aaaa가 DB에 있을시	"Preprocess Success RP=(aa.txt의 종이수) RI=(aa.txt의 잉크수)"	Pass
T1_NPS_STC_001_007	(UserData) userD a.txt userD가 DB에 없을시	"userD is not exist in User DB"	Pass
T1_NPS_STC_001_008	(UserData) userZ d.txt userZ가 DB에 없을시	"userZ is not exist in User DB"	Pass
T1_NPS_STC_001_009	(UserData) team1 a.txt Team1이 DB에 있을시	"team1 is not exist in User DB"	Pass
T1_NPS_STC_001_010	(UserData) userA a.txt userD가 DB에 있을시	"userA is not exist in User DB"	Pass
T1_NPS_STC_001_011	(UserData) zz a.txt zz가 DB에 있을시	"zz is not exist in User DB"	Pass
T1_NPS_STC_001_012	(UserData) userZ abc.txt userZ가 DB에 없을시	"userZ is not exist in User DB"	Pass
T1_NPS_STC_002_000	(UserData) userA abc.txt Remain Paper = 20 Remain Ink = 500 Require Paper = 14 Require Paper = 400	Remain Paper = 6 Reamin Ink = 100 Status = "Printing" "data lobby start"	Pass
T1_NPS_STC_002_001	(UserData) userA a.txt Remain Paper = 4 Remain Ink = 2550 Require Paper = 24 Require Ink = 80	"paper low Reject command"	Fail
T1_NPS_STC_002_002	(UserData) userA a.txt Remain Paper = 4 Remain Ink = 2550 Require Paper = 15	"paper low Reject command"	Fail

	Require Ink = 80		
T1_NPS_STC_002_003	(UserData) userA b.txt Remain Paper = 60 Remain Ink = 1550 Require Paper = 24 Require Ink = 2000	"ink low Reject command"	Fail
T1_NPS_STC_002_004	(UserData) userA b.txt Remain Paper = 60 Remain Ink = 1550 Require Paper = 24 Require Ink = 1556	"ink low Reject command"	Pass
T1_NPS_STC_002_005	(UserData) userA team1.txt Remain Paper = 20 Remain Ink = 2000 Require Paper = 20 Require Ink = 2000	Remain Paper = 0 Reamin Ink = 0 Status = "Printing" "data lobby start"	Fail
T1_NPS_STC_002_005	(UserData) userA team1.txt Remain Paper = 20 Remain Ink = 2000 Require Paper = 20 Require Ink = 2000 하는 도중에 cancel	Status = "Printing" "data lobby start" -> "Current Print is stopping"	Fail
T1_NPS_STC_002_006	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000	Remain Paper = 4 Reamin Ink = 150 Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" Wait Queue = {userA/24 userB/24 userA /9 userB/15 userA/24}	Pass
T1_NPS_STC_002_007	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 2500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000	Remain Paper = 13 Reamin Ink = 1650 Status = "Printing" "Preprocess" "Preprocess" "ink low Reject command!" "Preprocess" "Preprocess" Wait Queue = {userB/24 userB/15 userA/24}	Pass

T1_NPS_STC_002_008	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 2050 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000	Remain Paper = 13 Reamin Ink = 1650 Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "ink low Reject command!" "Preprocess" Wait Queue = {userB/24 userA/9 userA/24}	Pass
T1_NPS_STC_002_009	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 800 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 200 RP 24) Remain Paper = 100 Remain Ink = 3000	Remain Paper = 13 Reamin Ink = 1650 Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "ink low Reject command!" Wait Queue = {userB/24 userA/9 userB/15}	Pass
T1_NPS_STC_002_010	(AdminData) Admin ink 3000 CI = 0 충전을 누르고 (UserData) userA a.txt	Status => "Recharging" 충전 완료 후 대기열의 프린트 시작	Pass
T1_NPS_STC_002_011	(AdminData) Admin ink 1000 CI = 0 충전을 누르고 (UserData) userA a.txt	Status => "Recharging" 충전 완료 후 대기열의 프린트 시작	Pass
T1_NPS_STC_002_012	(AdminData) Admin A4 100 CP = 0 충전을 누르고 (UserData) userA a.txt	Status => "Recharging" 충전 완료 후 대기열의 프린트 시작	Pass
T1_NPS_STC_002_013	(AdminData) Admin A4 60 CP = 0 충전을 누르고 (UserData) userA a.txt	Status => "Recharging" 충전 완료 후 대기열의 프린트 시작	Pass
T1_NPS_STC_002_014	(UserData) 아무것도 없을시 cancel	아무일도 일어나지 않음	Fail
T1_NPS_STC_002_015	(UserData) userA a.txt가 끝나고 cancel	아무일도 일어나지 않음	Fail
T1_NPS_STC_002_016	(UserData) userA a.txt와 aaaa b.txt가 끝나고 cancel	아무일도 일어나지 않음	Fail

T1_NPS_STC_002_017	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 3번째 출력시 cancel	Remain Paper = 4 Reamin Ink = 150 Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping"	Pass
T1_NPS_STC_002_018	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 4번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping"	Pass
T1_NPS_STC_002_019	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 5번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping"	Pass
T1_NPS_STC_002_020	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 1번째 출력시 cancel 2번째 출력시 cancel 3번째 출력시 cancel 4번째 출력시 cancel 5번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping" "Current Print is stopping" "Current Print is stopping" "Current Print is stopping"	pass
T1_NPS_STC_002_021	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24)	Status = "Printing" "Preprocess" "Preprocess"	pass

	userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 2번째 출력시 cancel 3번째 출력시 cancel 4번째 출력시 cancel 5번째 출력시 cancel	"Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping" "Current Print is stopping" "Current Print is stopping"	
T1_NPS_STC_002_022	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 3번째 출력시 cancel 4번째 출력시 cancel 5번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping" "Current Print is stopping"	pass
T1_NPS_STC_002_023	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 3번째 출력시 cancel 4번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping"	pass
T1_NPS_STC_002_024	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 3번째 출력시 cancel 5번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping"	pass
T1_NPS_STC_002_025	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24)	Status = "Printing" "Preprocess" "Preprocess"	pass

	userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 4번째 출력시 cancel 5번째 출력시 cancel	"Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping"	
T1_NPS_STC_002_026	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000 2번째 출력시 cancel 5번째 출력시 cancel	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Current Print is stopping" "Current Print is stopping"	pass
T1_NPS_STC_002_027	(UserData) userA team1.txt(RI 300 RP 24) userB a.txt(RI 300 RP 24) userA b.txt(RI 1500 RP 9) userB c.txt(RI 450 RP 15) userA a.txt(RI 300 RP 24) Remain Paper = 100 Remain Ink = 3000	Status = "Printing" "Preprocess" "Preprocess" "Preprocess" "Preprocess" "Preprocess"	pass
T1_NPS_STC_002_028	(UserData) userA aa(RI 300 RP 24)	"File is not exist"	pass
T1_NPS_STC_002_029	(UserData) userA team1.tt(RI 300 RP 24)	"File is not exist"	pass
T1_NPS_STC_002_030	(UserData) userA team1.tasdt(RI300 RP 24)	"File is not exist"	pass
T1_NPS_STC_002_031	(UserData) userA adfasdf.tt(RI 300 RP 24)	"File is not exist"	pass
T1_NPS_STC_002_032	(UserData) userA a.txt(11줄)프린터물 맨마지막에 Enter를 추가	RP = 2	Fail
T1_NPS_STC_002_033	(UserData) userA a.txt(12줄)프린터물 맨마지막에 Enter를 2번 추가	RP = 2	Pass

T1_NPS_STC_003_000	(AdminData) Admin A4 100 (CI=0)	1초마다 Remain Paper 10씩 증가	pass
T1_NPS_STC_003_001	(AdminData) Admin A4 100	1초마다 Remain Paper 10씩 증가	pass
T1_NPS_STC_003_002	(AdminData) Admin A4 80	1초마다 Remain Paper 10씩 증가	pass
T1_NPS_STC_003_003	(AdminData) Admin A4 150	Screen에는 아무일도 일어나지않음	pass
T1_NPS_STC_003_004	(AdminData) Admin A4 200	Screen에는 아무일도 일어나지않음	Pass
T1_NPS_STC_003_005	(AdminData) Admin A4 -10	Screen에는 아무일도 일어나지않음	Pass
T1_NPS_STC_003_006	(AdminData) Admin Ink 3000	1초마다 Remain Ink 100씩 증가	Pass
T1_NPS_STC_003_007	(AdminData) Admin Ink 1000	1초마다 Remain Ink 100씩 증가	Pass
T1_NPS_STC_003_008	(AdminData) Admin Ink 5000	Screen에는 아무일도 일어나지않음	Pass
T1_NPS_STC_003_009	(AdminData) Admin Ink 6000	Screen에는 아무일도 일어나지않음	Pass
T1_NPS_STC_003_010	(AdminData) Admin Ink -1000	Screen에는 아무일도 일어나지않음	Pass
T1_NPS_STC_003_011	(UserData) userA abc.txt	Status =>"printing" Printing = "userA 현재 출력중인 페이지/총페이지"	Pass
T1_NPS_STC_003_012	(UserData) userA a.txt	Status =>"printing" Printing = "userA 현재 출력중인 페이지/총페이지"	Fail
T1_NPS_STC_003_013	(UserData) userA abc.txt userB a.txt	Status =>"printing" Printing = "userA 현재 출력중인 페이지/총페이지" Wait Queue = "userB b.txt페이지 수"	Fail
T1_NPS_STC_003_014	(UserData) userA abc.txt userB a.txt aaaa a.txt	Status =>"printing" Printing = "userA 현재 출력중인 페이지/총페이지" Wait Queue = "userB b.txt페이지 수 aaaa a.txt페이지수"	Pass
T1_NPS_STC_003_015	(UserData) userA abc.txt userB b.txt userA a.txt aaaa a.txt	Status =>"printing" Printing = "userA 현재 출력중인 페이지/총페이지" Wait Queue = "userB b.txt페이지 수 userA a.txt페이지수 aaaa a.txt페이지수"	Pass
T1_NPS_STC_003_016	(UserData) userA abc.txt userB b.txt userA a.txt aaaa a.txt userA b.txt	Status =>"printing" Printing = "userA 현재 출력중인 페이지/총페이지" Wait Queue="userB b.txt페이지수 userA a.txt페이지수 aaaa a.txt페이지수 userA b.txt페이지수"	Pass

