

# System Test Report for Public Transportation System

- Test Cases Specification
- Test Summary Report

## Project Team

Team4 - NucleaR

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## Table of Contents

- 1 Introduction
  - 1.1 Objectives
  - 1.2 References
- 2 System test case specification
  - 2.1 Test case specification identifier
  - 2.2 Test items
  - 2.3 Input specifications
  - 2.4 Output specifications
- 3 Environmental needs
- 4 System test summary report
  - 4.1 Test summary report identifier
  - 4.2 Evaluation

## 1 Introduction

### 1.1 Objectives

본 문서는 2014년 2학기 Software Engineering(2014SE) 수업에서 T4가 개발한 Public Transportation(PTS)의 System Testing 결과보고서 문서이다.

### 1.2 References

PTS-2014-T4-STP-Ver1.3

## 2 System test summary report

### 2.1 Evaluation

<Table 1 System Test Result>

Test Case Identifier	Input specification	Output specification	Pass /Fail
PTS_STP_000_000	TerminalID, [TimeGap<180]GetOnTag	Total fee/ User Balance	P
PTS_STP_000_001	TerminalID, [TimeGap<180]GetOffTag	Total fee / User Balance	P
PTS_STP_000_002	TerminalID, [TimeGap>180]GetOnTag	태그입력을 받지 않음	P
PTS_STP_000_003	TerminalID, [TimeGap>180]GetOffTag	태그입력을 받지 않음	P
PTS_STP_100_000	TerminalID	터미널ID.txt file을 초기화.	P
PTS_STP_200_000	TerminalID	Tag require message	P
PTS_STP_201_000	TermID[1] GetOn	Total fee : 1050, /Balance : 8950	P
PTS_STP_201_001	TermID[1] GetOn	Total fee : 1050 /Balance : 0 Balance is not enough message	P
PTS_STP_201_002	TermID[6] GetOn	Total fee : 1050 /Balance : 8950	P
PTS_STP_201_003	TermID[6] GetOn	Total fee : 1050 /Balance : 0 Balance is not enough message	P
PTS_STP_201_004	TermID[6] GetOn Balance = 8750 TermID[6] GetOn	Total fee : 1050 / user Balance : 7700 Get On / Off Message	P
PTS_STP_201_005	TermID[6] GetOn Balance = 0 TermID[6] GetOn	Total fee : 1050 / user Balance : 0 Balance is not enough	P
PTS_STP_201_006	TermID[1] GetOn, TermID[2] GetOff Balance=11200, TermID[6][TransTime>15]GetOn	Total fee : 1050 /Balance : 10050	P
PTS_STP_201_007	TermID[1] GetOn, TermID[2] GetOff	Total fee : 1050 /Balance : 1000	P

	Balance=1000, TermID[6][TransTime>15]GetOn	Balance is not enough message	
PTS_STP_201_008	TermID[6] GetOn, TermID[6] GetOff Balance = 9950, TermID[1][TransTime>15]GetOn	Total fee : 1050 /Balance : 8900	P
PTS_STP_201_009	TermID[6] GetOn, TermID[6] GetOff Balance = 1000, TermID[1][TransTime>15]GetOn	Total fee : 1050 /Balance : 1000 Balance is not enough message	P
PTS_STP_202_000	TermID[1] GetOn Balance = 8950 TermID[1] GetOff	Total fee : 0 Balance : 8950	P
PTS_STP_202_001	TermID[1] GetOn Balance = 8950 TermID[2] GetOff	Total fee : 0 Balance : 8950	P
PTS_STP_202_002	TermID[1] GetOn Balance = 8950 TermID[3] GetOff	Total fee : 200 Balance : 8750	P
PTS_STP_202_003	TermID[1] GetOn Balance = 8950 TermID[4] GetOff	Total fee : 200 Balance : 8750	P
PTS_STP_202_004	TermID[1] GetOn Balance = 8950 TermID[5] GetOff	Total fee : 200 Balance : 8750	P
PTS_STP_202_005	TermID[1] GetOn Balance = 100 TermID[5] GetOff	Total fee : 200 / Balance : 100 Balance is not enough message	P
PTS_STP_202_006	TermID[6] GetOn Balance = 8950 TermID[6] GetOff	Total fee : 0 Balance : 8950	P
PTS_STP_203_000	TermID[1] GetOn, TermID[2] GetOff Balance=11200, TermID[6][TransTime<15]GetOn	Total fee : 0 Balance : 11200	P
PTS_STP_203_001	TermID[1] GetOn, TermID[3] GetOff Balance=1400, TermID[6][TransTime<15]GetOn	Total fee : 0 Balance : 1400	P
PTS_STP_203_002	TermID[1] GetOn, TermID[1] GetOff Balance=8950, TermID[6][TransTime<15]GetOn	Total fee : 0 Balance : 8950	P
PTS_STP_203_003	TermID[6] GetOn, TermID[6] GetOff Balance = 9950, TermID[1][TransTime<15]GetOn	Total fee:0 / Balance : 9950	P
PTS_STP_204_000	TermID[1] GetOn, TermID[2] GetOff, TermID[6][TransTime<15]GetOn Balance = 8300, TermID[6][afterTransTime<30]GetOff	Total fee:0 / Balance : 8300	P

PTS_STP_204_001	TermID[1] GetOn, TermID[2] GetOff, TermID[6][TransTime<15]GetOn Balance = 7250, TermID[6][afterTransTime=50]GetOff	Total fee:100 / Balance : 7150	p
PTS_STP_204_002	TermID[1] GetOn, TermID[2] GetOff, TermID[6][TransTime<15]GetOn Balance = 6100, TermID[6][afterTransTime=70]GetOff	Total fee:200 / Balance : 5900	P
PTS_STP_204_003	TermID[1] GetOn, TermID[2] GetOff, TermID[6][TransTime<15]GetOn Balance = 4850, TermID[6][afterTransTime=100]GetOff	Total fee:300 / Balance : 4550	P
PTS_STP_204_004	TermID[1] GetOn, TermID[2] GetOff, TermID[6][TransTime<15]GetOn Balance = 3500, TermID[6][afterTransTime=130]GetOff	Total fee:400 / Balance : 3100	P
PTS_STP_204_005	TermID[1] GetOn, TermID[2] GetOff, TermID[6][TransTime<15]GetOn Balance = 2050, TermID[6][afterTransTime=160]GetOff	Total fee:500 / Balance : 1550	P
PTS_STP_204_006	TermID[6] GetOn TermID[6] GetOff, TermID[1][TransTime<15]GetOn Balance = 8950, TermID[2]GetOff	Total fee:300 / Balance : 8650	P
PTS_STP_204_007	TermID[6] GetOn, TermID[6] GetOff, TermID[1][TransTime<15]GetOn Balance = 7600, TermID[3]GetOff	Total fee:600 / Balance : 7000	P
PTS_STP_204_008	TermID[6] GetOn, TermID[6] GetOff, TermID[1][TransTime<15]GetOn Balance = 5950, TermID[4] GetOff	Total fee:600 / Balance : 5350	P
PTS_STP_204_009	TermID[6] GetOn, TermID[6] GetOff, TermID[1][TransTime<15]GetOn Balance = 4300, TermID[5]GetOff	Total fee:600 / Balance : 3700	p
PTS_STP_204_010	TermID[6] GetOn, TermID[6] GetOff, TermID[1][TransTime<15]GetOn	Total fee:0 / Balance : 2650	P

	Balance = 2650, TermID[1]GetOff		
PTS_STP_205_000	TermID[2] GetOn Balance = 8750 , TermID[1] GetOn	Total fee : 1250 Balance : 7500	P
PTS_STP_205_001	TermID[2] GetOn Balance = 0 TermID[1] GetOn	Total fee : 1250 Balance : 0 Balance is not enough message	P
PTS_STP_205_002	TermID[6] GetOn TermID[6] GetOff TermID[1] GetOn Balance = 8950 TermID[2] GetOn	Total fee : 1650 / user Balance : 7300	P
PTS_STP_205_003	TermID[6] GetOn TermID[6] GetOff TermID[1] GetOn Balance = 8950 TermID[6] GetOn	Total fee : 1650 / user Balance : 7300	P
PTS_STP_205_004	TermID[6] GetOn TermID[6] GetOff TermID[1] GetOn Balance = 0 TermID[2] GetOn	Total fee : 1650 / user Balance : 0 Balance is not enough message	P
PTS_STP_205_005	TermID[6] GetOn TermID[6] GetOff TermID[1] GetOn Balance = 0 TermID[6] GetOn	Total fee : 1650 / user Balance : 0 Balance is not enough message	P
PTS_STP_205_006	TermID[1] GetOn TermID[1] GetOff TermID[6] GetOn Balance = 8950 TermID[2] GetOn	Total fee : 1750 / user Balance : 7200	P
PTS_STP_205_007	TermID[1] GetOn TermID[1] GetOff TermID[6] GetOn Balance = 0 TermID[2] GetOn	Total fee : 1750 / user Balance : 0 Balance is not enough message	P
PTS_STP_205_008	TermID[1] GetOn TermID[1] GetOff TermID[6] GetOn Balance = 8950 TermID[6] GetOn	Total fee : 1750 / user Balance : 7200	P
PTS_STP_205_009	TermID[1] GetOn TermID[1] GetOff TermID[6] GetOn Balance = 0 TermID[6] GetOn	Total fee : 1750 / user Balance : 0 Balance is not enough message	P
PTS_STP_300_000	[TimeGap<180]GetOnTag Or [TimeGap<180]GetOffTag	결과를 usercard.txt 파일에 반영	p
PTS_STP_400_000	[TimeGap<180]GetOnTag Or [TimeGap<180]GetOffTag	사용자가 태그 행위를 하는 경우 그 결과가 해당 터미널ID.txt 파일에 누적 되어 기록	P
ADJ_STP_000_000	TermID[6] GetOn, TermID[6] GetOff	Overall Fee : 1050 Subway Fee : 0	P

		Bus Fee : 1050	
ADJ_STP_000_001	TermID[1] GetOn, TermID[2] GetOff	Overall Fee : 1050 Subway Fee : 1050 Bus Fee : 0	P
ADJ_STP_000_002	TermID[1] GetOn, TermID[3] GetOff	Overall Fee : 1250 Subway Fee : 1250 Bus Fee : 0	P
ADJ_STP_000_003	TermID[6] GetOn, TermID[6] GetOff TermID[1] GetOn[TransTime <15] TermID[2] GetOff	Overall Fee : 1350 Subway Fee : 759 Bus Fee : 591	P
ADJ_STP_000_004	TermID[6] GetOn, TermID[6] GetOff TermID[1] GetOn[TransTime <15] TermID[3] GetOff	Overall Fee : 1650 Subway Fee : 1008 Bus Fee : 642	P
ADJ_STP_000_005	TermID[1] GetOn, TermID[2] GetOff TermID[6] GetOn [TransTime <15] TermID[6][AfterTransTime<30]GetOff	Overall Fee : 1050 Subway Fee : 525 Bus Fee : 525	P
ADJ_STP_000_006	TermID[1] GetOn, TermID[2] GetOff TermID[6] GetOn [TransTime <15] TermID[6][AfterTransTime=50]GetOff	Overall Fee : 1150 Subway Fee : 549 Bus Fee : 601	P
ADJ_STP_000_007	TermID[2] GetOn TermID[1] GetOn	Overall Fee : 2300 Subway Fee : 2300 Bus Fee : 0	P
ADJ_STP_000_008	TermID[2] GetOn TermID[1] GetOn TermID[1] GetOff	Overall Fee : 2300 Subway Fee : 2300 Bus Fee : 0	P
ADJ_STP_000_009	TermID[6] GetOn TermID[6] GetOff TermID[1] GetOn/ TransTime <15 TermID[2] GetOn	Overall Fee : 2700 Subway Fee : 2058 Bus Fee : 642	P
ADJ_STP_000_010	TermID[6] GetOn TermID[6] GetOff TermID[1] GetOn/ TransTime <15 TermID[2] GetOn TermID[2] GetOff	Overall Fee : 2700 Subway Fee : 2058 Bus Fee : 642	P

ADJ_STP_000_011	TermID[1] GetOn TermID[2] GetOff TermID[6] GetOn/ TransTime <15 TermID[6] GetOn	Overall Fee : 2800 Subway Fee : 656 Bus Fee : 2144	P
ADJ_STP_000_012	TermID[1] GetOn TermID[2] GetOff TermID[6] GetOn/ TransTime <15 TermID[6] GetOn TermID[6] GetOff	Overall Fee : 2800 Subway Fee : 656 Bus Fee : 2144	P
ADJ_STP_000_013	TermID[1] GetOn TermID[2] GetOff TermID[6] GetOn/ TransTime <15 TermID[3] GetOn	Overall Fee : 2800 Subway Fee : 1076 Bus Fee : 1094	P
ADJ_STP_000_014	TermID[1] GetOn TermID[2] GetOff TermID[6] GetOn/ TransTime <15 TermID[3] GetOn TermID[3] GetOff	Overall Fee : 2800 Subway Fee : 1076 Bus Fee : 1094	P
ADJ_STP_100_000	<프로그램 실행>	Buscompany.txt 파일에 정산기록이 기록	P
ADJ_STP_200_000	<프로그램 실행>	Subwaycompany.txt 파일에 정산기록이 기록	P