

Unit Test Report

for Public Transportation System

- Test Cases Specification
- Test Summary Report

Project Team

Team1

Date

2014-11-21

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1 Introduction

1.1 Objectives

본 문서는 2014년 건국대학교의 소프트웨어공학 개론 강의의 실습과제를 설명한다. 실습과제는 대중교통시스템(PTS : Public Transportation System)을 소프트웨어만을 이용한 가상의 시스템으로 구현하는 것을 의미한다.

1.2 References

(김형환 2010) 김형환, 신동석 "교통카드 무인판매/충전기 통합 운영시스템 개발", 韓國 컴퓨터情報學會論文誌 15(3), 99-109, 2010

(김경선, 2009) 김경선, "교통카드 시스템 사례 연구-수도권 교통카드 중심". 수도권 교통 본부, 2009

T1_2014_SRA_3.0V

T1_2014_SDS_2.0V

T1_2014_UTP_1.0V

2 Unit test case specification

2.1 Test case specification identifier

<Table 1 : Test Design Identification>

Identifier	Feature(Process DFD)	Valid / Invalid value
TEAM1_PTS_0_000_000	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001014211,B,1,966900,0_30 200001014311,B,0,966900,0_31 Terminal_Data Input : 200001014211,B,1,0,0_30 200001014311,B,0,0,0_31
TEAM1_PTS_0_000_001	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001015011,B,1,963750,0_36 200001015111,B,0,963750,0_37 Terminal_Data Input : 200001015011,B,1,1050,0_36 200001015111,B,0,0,0_37
TEAM1_PTS_0_000_002	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001011111,T,0,983200,0_8 200001011111,T,1,982150,0_9 Terminal_Data Input : 200001010411,B,0,0,0_46 200001010511,M,1,0,1_63
TEAM1_PTS_0_000_003	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001014611,B,0,966900,0_31

		200001014711,B,1,965850,0_32 Terminal_Data Input : 200001014611,B,0,0,0_31 200001014711,B,1,1050,0_32
TEAM1_PTS_0_000_004	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001015111,B,0,963750,0_37 200001015211,B,1,962700,0_38 Terminal_Data Input : 200001015111,B,0,0,0_37 200001015211,B,1,1050,0_38
TEAM1_PTS_0_000_005	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001015211,B,1,962700,0_38 200001015311,B,0,962700,0_39 Terminal_Data Input : 200001015211,B,1,1050,0_38 200001015311,B,0,0,0_39
TEAM1_PTS_0_000_006	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001010011,B,1,959300,0_43 200001010111,B,0,959300,0_44 Terminal_Data Input : 200001010011,B,1,0,0_43 200001010111,B,0,0,0_44
TEAM1_PTS_0_000_007	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001015511,B,0,961400,0_42 200001015611,M,1,961400,1_56 Terminal_Data Input : 200001015611,B,0,0,0_42 200001015711,M,0,0,1_57
TEAM1_PTS_0_000_008	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001010411,B,0,958600,0_46 200001010511,M,1,958600,1_63 Terminal_Data Input : 200001010411,B,0,0,0_46 200001010511,M,1,0,1_63
TEAM1_PTS_0_000_009	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001010911,M,1,956850,1_66 200001011011,M,0,956850,1_67 Terminal_Data Input : 200001010911,M,1,0,1_66 200001011011,M,0,0,1_67
TEAM1_PTS_0_000_010	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001011211,M,1,955800,1_68 200001011311,M,0,955200,3_1 Terminal_Data Input : 200001011211,M,1,0,1_68 200001011311,M,0,600,3_1
TEAM1_PTS_0_000_011	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001011011,M,0,956850,1_67 200001011111,B,1,956850,0_53 Terminal_Data Input : 200001011011,M,0,0,1_67 200001011111,B,1,0,0_53
TEAM1_PTS_0_000_012	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001011311,M,0,955200,3_1 200001011411,B,1,955200,0_57 Terminal_Data Input : 200001011311,M,0,600,3_1 200001011411,B,1,0,0_57
TEAM1_PTS_0_000_013	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001011511,M,1,955200,1_69

		200001011611,M0,955200,1_70 Terminal_Data Input : 200001011511,M1,0,1_69 200001011611,M0,0,1_70
TEAM1_PTS_0_000_014	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001011511,M1,954150,1_71 200001011711,M0,954149,2_2 Terminal_Data Input : 200001011511,M1,1050,1_71 200001011711,M0,1,2_2
TEAM1_PTS_0_000_015	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001012111,M0,952500,4_2 200001013111,M1,951450,1_74 Terminal_Data Input : 200001012111,M0,600,4_2 200001013111,M1,1050,1_74
TEAM1_PTS_0_000_016	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001014111,M0,950850,4_3 200001015111,M1,949800,1_75 Terminal_Data Input : 200001014111,M0,600,4_3 200001015111,M1,1050,1_75
TEAM1_PTS_0_000_017	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001012111,M0,949600,2_2 200001012211,M1,948550,2_3 Terminal_Data Input : 200001012111,M0,200,2_2 200001012211,M1,1050,2_3
TEAM1_PTS_0_000_018	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001012111,B,1,947850,0_59 200001012211,M1,947250,1_76 Terminal_Data Input : 200001012111,B,1,700,0_59 200001012211,M1,600,1_76
TEAM1_PTS_0_000_019	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001012111,M1,948550,2_3 200001012111,B,1,947850,0_59 Terminal_Data Input : 200001012111,M1,1050,2_3 200001012111,B,1,700,0_59
TEAM1_PTS_0_000_020	2.1.1.1.1 Calculator Selector	Card_Data Input : 200001012111,M1,947250,1_76 200001015111,B,1,946550,0_60 Terminal_Data Input : 200001012111,M1,600,1_76 200001015111,B,1,700,0_60
TEAM1_PTS_0_001_000	2.1.1.2 Cal_Bus_On_Standard	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 0, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_001_001	2.1.1.2 Cal_Bus_On_Standard	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 0, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 201002011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation

		= B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_002_000	2.1.1.3 Cal_Bus_On_Transfer	Data Input : ecd.on_board = 0, ecd.balance = 8000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 4, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_003_000	2.1.1.4 Cal_Bus_On_Unchecked	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001021530, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_003_001	2.1.1.4 Cal_Bus_On_Unchecked	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_004_000	2.1.1.5 Cal_Metro_On_Standard	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 1, etd.count = 1
TEAM1_PTS_0_005_000	2.1.1.6 Cal_Metro_On_Transfer	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 1, etd.count = 1
TEAM1_PTS_0_006_000	2.1.1.7 Cal_Metro_On_Unchecked	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001021530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_006_001	2.1.1.7 Cal_Metro_On_Unchecked	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_007_000	2.1.1.8 Cal_Bus_Off_Standard	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 0, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation

		= B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_008_000	2.1.1.9 Cal_Bus_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_008_001	2.1.1.9 Cal_Bus_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010400, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_008_002	2.1.1.9 Cal_Bus_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010800, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_008_003	2.1.1.9 Cal_Bus_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001012300, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_009_000	2.1.1.10 Cal_Metro_Off_Standard	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 3, etd.count = 1
TEAM1_PTS_0_009_001	2.1.1.10 Cal_Metro_Off_Standard	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 2, etd.count = 1
TEAM1_PTS_0_009_002	2.1.1.10 Cal_Metro_Off_Standard	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 1, etd.count = 1
TEAM1_PTS_0_010_000	2.1.1.11 Cal_Metro_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 1, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation

		= B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_010_001	2.1.1.11 Cal_Metro_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 2, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_010_002	2.1.1.11 Cal_Metro_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_010_003	2.1.1.11 Cal_Metro_Off_Transfer	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1
TEAM1_PTS_0_011_000	2.1.2 Controller	Data Input : hour == 0 && minute == 0
TEAM1_PTS_0_011_001	2.1.2 Controller	Data Input : hour == 0 && minute != 0
TEAM1_PTS_0_011_002	2.1.2 Controller	Data Input : hour != 0 && minute == 0
TEAM1_PTS_0_011_003	2.1.2 Controller	Data Input : hour != 0 && minute != 0
TEAM1_PTS_0_011_004	2.1.2 Controller	Data Input : cd.Calculated_Balance = 3000
TEAM1_PTS_0_011_005	2.1.2 Controller	Data Input : cd.Calculated_Balance = -1000
TEAM1_PTS_0_012_000	2.1.3 Check Settlement	Data Input : 정산 완료되었다는 파일 존재
TEAM1_PTS_0_012_001	2.1.3 Check Settlement	Data Input : 정산 완료되었다는 파일 존재하지 않음
TEAM1_PTS_0_013_000	2.1.4 Terminal Record	Data Input : cd.time = 201411210500, cd.transportation = B, cd.on_board = 1, cd.fee = 500, cd.Terminal_ID = 0, cd.count = 2
TEAM1_PTS_0_013_001	2.1.4 Terminal Record	Data Input : cd.time = 201411210530, cd.transportation = M, cd.on_board = 0, cd.fee = 500, cd.Terminal_ID = 3, cd.count = 1
TEAM1_PTS_0_014_000	2.1.6 Print Result	Data Input : cd.fee = 100, cd.Calculated_Balance = 500
TEAM1_PTS_0_014_001	2.1.6 Print Result	Data Input : cd.fee = 200, cd.Calculated_Balance = -100
TEAM1_PTS_0_015_000	2.1.7 Print Warning	Data Input : cd.fee = 250, cd.Calculated_Balance = 400
TEAM1_PTS_0_015_001	2.1.7 Print Warning	Data Input : cd.fee = 300, cd.Calculated_Balance = -200
TEAM1_PTS_0_016_000	2.1.8 Check Card	Data Input : cd.fee = 700, cd.Calculated_Balance = 0
TEAM1_PTS_0_016_001	2.1.8 Check Card	Data Input : cd.fee = 150, cd.Calculated_Balance = -50
TEAM1_PTS_1_000_000	2.1 Time_Checker	time = "201411200000" Input

TEAM1_PTS_1_000_001	2.1 Time_Checker	time = "201411200100" Input
TEAM1_PTS_1_000_002	2.1 Time_Checker	time = "201411200008" Input
TEAM1_PTS_1_000_003	2.1 Time_Checker	time = "201411200108" Input
TEAM1_PTS_1_001_000	2.2 Wait	Enable Input
TEAM1_PTS_1_001_001	2.2 Wait	Disable Input
TEAM1_PTS_1_002_000	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200008, M, 1, 1050 201411200124, M, 0, 400 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200600, B, 1, 1050 201411200800, B, 0, 0 } Input
TEAM1_PTS_1_002_001	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200008, M, 1, 1050 201411200124, M, 0, 400 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0 201411200600, M, 0, 300} Input
TEAM1_PTS_1_002_002	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0 201411200600, M, 0, 300 201411200640, B, 1, 0 201411201448, B, 0, 200} Input
TEAM1_PTS_1_002_003	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200016, M, 1, 1050 201411200040, M, 0, 200 201411200232, B, 1, 0 201411201224, B, 0, 200 201411201400, M, 1, 0 201411201408, M, 0, 600 201411201416, B, 1, 0 201411201824, B, 0, 200} Input
TEAM1_PTS_1_002_004	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200016, B, 1, 1050 201411200216, B, 0, 0 201411200616, B, 1, 1050 201411200624, B, 0, 0 201411200632, B, 1, 1050 201411200640, B, 0, 0} Input
TEAM1_PTS_1_002_005	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200016, M, 1, 1050

		201411200216, M, 0, 0 201411200616, M, 1, 1050 201411200624, M, 0, 0 201411200632, M, 1, 1050 201411200640, M, 0, 0} Input
TEAM1_PTS_1_002_006	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200008, M, 1, 1050 201411200124, M, 0, 400 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0} Input
TEAM1_PTS_1_002_007	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0 201411200600, M, 0, 300 201411200640, B, 1, 0} Input
TEAM1_PTS_1_002_008	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411200016, M, 1, 1050 201411200040, M, 0, 200 201411200232, B, 1, 0 201411201224, B, 0, 200 201411201400, M, 1, 0 201411201408, M, 0, 600 201411201416, B, 1, 0} Input
TEAM1_PTS_1_002_009	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, B, 0, 0} Input
TEAM1_PTS_1_002_010	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, M, 1, 1750 201411201040, M, 0, 0} Input
TEAM1_PTS_1_002_011	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, M, 1, 1750 201411201040, B, 1, 1750 201411201050, B, 0, 0 } Input
TEAM1_PTS_1_002_012	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, B, 0, 0

		201411201050, M, 1, 0 201411201058, M, 0, 300} Input
TEAM1_PTS_1_002_013	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, M, 1, 1750 201411201040, M, 0, 300 201411201100, B, 1, 0 201411201130, B, 0, 0} Input
TEAM1_PTS_1_002_014	2.3 Settlement_Starting_Process	trigger , Stack ED={ 201411201000, M, 1, 1050 201411201030, M, 0, 400 201411201100, B, 1, 0 201411201200, M, 1, 1750} Input

2.2 Test items

<Table 2 : Test Case Identification>

Test case Identifier	Input Specification	Output Specification
TEAM1_PTS_0_000_000	Card_Data Input : 200001014211,B,1,966900,0_30 200001014311,B,0,966900,0_31 Terminal_Data Input : 200001014211,B,1,0,0_30 200001014311,B,0,0,0_31	Cal_Bus_On_Standard() 실행
TEAM1_PTS_0_000_001	Card_Data Input : 200001015011,B,1,963750,0_36 200001015111,B,0,963750,0_37 Terminal_Data Input : 200001015011,B,1,1050,0_36 200001015111,B,0,0,0_37	Cal_Bus_On_Standard() 실행
TEAM1_PTS_0_000_002	Card_Data Input : 200001011111,T,0,983200,0_8 200001011111,T,1,982150,0_9 Terminal_Data Input : 200001010411,B,0,0,0_46 200001010511,M,1,0,1_63	어떠한 함수도 실행되지 않음
TEAM1_PTS_0_000_003	Card_Data Input : 200001014611,B,0,966900,0_31 200001014711,B,1,965850,0_32 Terminal_Data Input : 200001014611,B,0,0,0_31 200001014711,B,1,1050,0_32	Cal_Bus_Off_Standard() 실행
TEAM1_PTS_0_000_004	Card_Data Input : 200001015111,B,0,963750,0_37 200001015211,B,1,962700,0_38	Cal_Bus_Off_Standard() 실행

	Terminal_Data Input : 200001015111,B,0,0,0_37 200001015211,B,1,1050,0_38	
TEAM1_PTS_0_000_005	Card_Data Input : 200001015211,B,1,962700,0_38 200001015311,B,0,962700,0_39 Terminal_Data Input : 200001015211,B,1,1050,0_38 200001015311,B,0,0,0_39	Cal_Metro_On_transfer() 실행
TEAM1_PTS_0_000_006	Card_Data Input : 200001010011,B,1,959300,0_43 200001010111,B,0,959300,0_44 Terminal_Data Input : 200001010011,B,1,0,0_43 200001010111,B,0,0,0_44	Cal_Metro_On_transfer() 실행
TEAM1_PTS_0_000_007	Card_Data Input : 200001015511,B,0,961400,0_42 200001015611,M,1,961400,1_56 Terminal_Data Input : 200001015611,B,0,0,0_42 200001015711,M,0,0,1_57	Cal_Metro_Off_transfer() 실행
TEAM1_PTS_0_000_008	Card_Data Input : 200001010411,B,0,958600,0_46 200001010511,M,1,958600,1_63 Terminal_Data Input : 200001010411,B,0,0,0_46 200001010511,M,1,0,1_63	Cal_Metro_Off_transfer() 실행
TEAM1_PTS_0_000_009	Card_Data Input : 200001010911,M,1,956850,1_66 200001011011,M,0,956850,1_67 Terminal_Data Input : 200001010911,M,1,0,1_66 200001011011,M,0,0,1_67	Cal_Bus_On_transfer() 실행
TEAM1_PTS_0_000_010	Card_Data Input : 200001011211,M,1,955800,1_68 200001011311,M,0,955200,3_1 Terminal_Data Input : 200001011211,M,1,0,1_68 200001011311,M,0,600,3_1	Cal_Bus_On_transfer() 실행
TEAM1_PTS_0_000_011	Card_Data Input : 200001011011,M,0,956850,1_67 200001011111,B,1,956850,0_53 Terminal_Data Input : 200001011011,M,0,0,1_67 200001011111,B,1,0,0_53	Cal_Bus_Off_transfer() 실행
TEAM1_PTS_0_000_012	Card_Data Input : 200001011311,M,0,955200,3_1	Cal_Bus_Off_transfer() 실행

	200001011411,B,1,955200,0_57 Terminal_Data Input : 200001011311,M,0,600,3_1 200001011411,B,1,0,0_57	
TEAM1_PTS_0_000_013	Card_Data Input : 200001011511,M,1,955200,1_69 200001011611,M,0,955200,1_70 Terminal_Data Input : 200001011511,M,1,0,1_69 200001011611,M,0,0,1_70	Cal_Metro_On_Standard() 실행
TEAM1_PTS_0_000_014	Card_Data Input : 200001011511,M,1,954150,1_71 200001011711,M,0,954149,2_2 Terminal_Data Input : 200001011511,M,1,1050,1_71 200001011711,M,0,1,2_2	Cal_Metro_On_Standard() 실행
TEAM1_PTS_0_000_015	Card_Data Input : 200001012111,M,0,952500,4_2 200001013111,M,1,951450,1_74 Terminal_Data Input : 200001012111,M,0,600,4_2 200001013111,M,1,1050,1_74	Cal_Metro_Off_Standard() 실행
TEAM1_PTS_0_000_016	Card_Data Input : 200001014111,M,0,950850,4_3 200001015111,M,1,949800,1_75 Terminal_Data Input : 200001014111,M,0,600,4_3 200001015111,M,1,1050,1_75	Cal_Metro_Off_Standard() 실행
TEAM1_PTS_0_000_017	Card_Data Input : 200001012111,M,0,949600,2_2 200001012211,M,1,948550,2_3 Terminal_Data Input : 200001012111,M,0,200,2_2 200001012211,M,1,1050,2_3	Cal_Bus_On_Unchecked() 실행
TEAM1_PTS_0_000_018	Card_Data Input : 200001012111,B,1,947850,0_59 200001012211,M,1,947250,1_76 Terminal_Data Input : 200001012111,B,1,700,0_59 200001012211,M,1,600,1_76	Cal_Bus_On_Unchecked() 실행
TEAM1_PTS_0_000_019	Card_Data Input :	Cal_Metro_On_Unchecked() 실행

	200001012111,M,1,948550,2_3 200001012111,B,1,947850,0_59 Terminal_Data Input : 200001012111,M,1,1050,2_3 200001012111,B,1,700,0_59	
TEAM1_PTS_0_000_020	Card_Data Input : 200001012111,M,1,947250,1_76 200001015111,B,1,946550,0_60 Terminal_Data Input : 200001012111,M,1,600,1_76 200001015111,B,1,700,0_60	Cal_Metro_On_Unchecked() 실행
TEAM1_PTS_0_001_000	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 0, ecd.time1 = 200001011111, ecd.time2 = 200001011115, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001011530, cd.transportation = B, cd.on_board = 1, cd.balance = 10000, cd.fee = 1050, cd.Calculated_Balance = 8950, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_001_001	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 0, ecd.time1 = 200001011111, ecd.time2 = 200001011115, ecd.c_time = 201002011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	Calculated Data가 생성되지 않음
TEAM1_PTS_0_002_000	Data Input : ecd.on_board = 0, ecd.balance = 8000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 4, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001011530, cd.transportation = B, cd.on_board = 1, cd.balance = 8000, cd.fee = 0, cd.Calculated_Balance = 8000, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_003_000	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001021530, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001021530, cd.transportation = B, cd.on_board = 1, cd.balance = 10000, cd.fee = 700, cd.Calculated_Balance = 9300, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_003_001	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 =	cd.time = 200001011530, cd.transportation = B, cd.on_board = 1, cd.balance = 10000, cd.fee

	200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	= 700, cd.Calculated_Balance = 9300, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_004_000	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 1, etd.count = 1	cd.time = 200001011530, cd.transportation = M, cd.on_board = 1, cd.balance = 10000, cd.fee = 1050, cd.Calculated_Balance = 8950, cd.Terminal_ID = 1, cd.count = 1
TEAM1_PTS_0_005_000	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 1, etd.count = 1	cd.time = 200001011530, cd.transportation = M, cd.on_board = 1, cd.balance = 10000, cd.fee = 0, cd.Calculated_Balance = 10000, cd.Terminal_ID = 1, cd.count = 1
TEAM1_PTS_0_006_000	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001021530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001021530, cd.transportation = M, cd.on_board = 1, cd.balance = 10000, cd.fee = 700, cd.Calculated_Balance = 9300, cd.Terminal_ID = 1, cd.count = 1
TEAM1_PTS_0_006_001	Data Input : ecd.on_board = 0, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = B, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001011530, cd.transportation = M, cd.on_board = 1, cd.balance = 10000, cd.fee = 700, cd.Calculated_Balance = 9300, cd.Terminal_ID = 1, cd.count = 1
TEAM1_PTS_0_007_000	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 0, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001011530, cd.transportation = B, cd.on_board = 0, cd.balance = 10000, cd.fee = 0, cd.Calculated_Balance = 10000, cd.Terminal_ID = 0, cd.count = 1

TEAM1_PTS_0_008_000	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = B, cd.on_board = 0, cd.balance = 10000, cd.fee = 0, cd.Calculated_Balance = 10000, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_008_001	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010400, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = B, cd.on_board = 0, cd.balance = 10000, cd.fee = 100, cd.Calculated_Balance = 9900, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_008_002	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010800, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = B, cd.on_board = 0, cd.balance = 10000, cd.fee = 200, cd.Calculated_Balance = 9800, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_008_003	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001012300, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = B, ecd.transportation1 = M, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = B, cd.on_board = 0, cd.balance = 10000, cd.fee = 500, cd.Calculated_Balance = 9500, cd.Terminal_ID = 0, cd.count = 1
TEAM1_PTS_0_009_000	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 3, etd.count = 1	cd.time = 200001011530, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 0, cd.Calculated_Balance = 10000, cd.Terminal_ID = 3, cd.count = 1
TEAM1_PTS_0_009_001	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 2, etd.count = 1	cd.time = 200001011530, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 400, cd.Calculated_Balance = 9600, cd.Terminal_ID = 2, cd.count = 1

	etd.count = 1	
TEAM1_PTS_0_009_002	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001011115, ecd.time2 = 200001011111, ecd.c_time = 200001011530, ecd.transportation = M, ecd.transportation1 = M, ecd.count = 5, etd.transportation = M, etd.Terminal_ID = 1, etd.count = 1	cd.time = 200001011530, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 600, cd.Calculated_Balance = 9400, cd.Terminal_ID = 1, cd.count = 1
TEAM1_PTS_0_010_000	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 1, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 0, cd.Calculated_Balance = 10000, cd.Terminal_ID = 1, cd.count = 1
TEAM1_PTS_0_010_001	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 2, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 300, cd.Calculated_Balance = 9700, cd.Terminal_ID = 2, cd.count = 1
TEAM1_PTS_0_010_002	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 3, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 600, cd.Calculated_Balance = 9400, cd.Terminal_ID = 3, cd.count = 1
TEAM1_PTS_0_010_003	Data Input : ecd.on_board = 1, ecd.balance = 10000, ecd.Terminal_ID = 4, ecd.time1 = 200001010100, ecd.time2 = 200001010000, ecd.c_time = 200001012359, ecd.transportation = M, ecd.transportation1 = B, ecd.count = 5, etd.transportation = B, etd.Terminal_ID = 0, etd.count = 1	cd.time = 200001012359, cd.transportation = M, cd.on_board = 0, cd.balance = 10000, cd.fee = 600, cd.Calculated_Balance = 9400, cd.Terminal_ID = 4, cd.count = 1
TEAM1_PTS_0_011_000	Data Input : hour == 0 && minute == 0	Check_Settlement() 실행
TEAM1_PTS_0_011_001	Data Input : hour == 0 && minute != 0	Wait() 실행
TEAM1_PTS_0_011_002	Data Input : hour != 0 && minute == 0	Wait() 실행
TEAM1_PTS_0_011_003	Data Input : hour != 0 && minute != 0	Wait() 실행

TEAM1_PTS_0_011_004	Data Input : cd.Calculated_Balance = 3000	Terminal_Record(), Print_Result(), Check_Card() 실행
TEAM1_PTS_0_011_005	Data Input : cd.Calculated_Balance = -1000	Print_Warning() 실행
TEAM1_PTS_0_012_000	Data Input : 정산 완료되었다는 파일 존재	rad.reset = 1
TEAM1_PTS_0_012_001	Data Input : 정산 완료되었다는 파일 존재하지 않음	rad.reset = 0
TEAM1_PTS_0_013_000	Data Input : cd.time = 201411210500, cd.transportation = B, cd.on_board = 1, cd.fee = 500, cd.Terminal_ID = 0, cd.count = 2	pd.time = 201411210500, pd.transportation = B, pd.on_board = 1, pd.fee = 500, pd.Terminal_ID = 0, pd.count = 2
TEAM1_PTS_0_013_001	Data Input : cd.time = 201411210530, cd.transportation = M, cd.on_board = 0, cd.fee = 500, cd.Terminal_ID = 3, cd.count = 1	pd.time = 201411210530, pd.transportation = M, pd.on_board = 0, pd.fee = 500, pd.Terminal_ID = 3, pd.count = 1
TEAM1_PTS_0_014_000	Data Input : cd.fee = 100, cd.Calculated_Balance = 500	fee = 100 Balance = 500
TEAM1_PTS_0_014_001	Data Input : cd.fee = 200, cd.Calculated_Balance = -100	Display Data 생성되지 않음
TEAM1_PTS_0_015_000	Data Input : cd.fee = 250, cd.Calculated_Balance = 400	Display Data 생성되지 않음
TEAM1_PTS_0_015_001	Data Input : cd.fee = 300, cd.Calculated_Balance = -200	"잔액이 부족합니다."
TEAM1_PTS_0_016_000	Data Input : cd.time = 201411210500, cd.transportation = B, cd.on_board = 1, cd.Calculated_Balance = 0, cd.Terminal_ID = 0, cd.count = 3;	ucd.time = 201411210500, ucd.transportation = B, ucd.on_board = 1, ucd.balance = 0, ucd.Terminal_ID = 0, ucd.count = 3;
TEAM1_PTS_0_016_001	Data Input : cd.time = 201411210500, cd.transportation = B, cd.on_board = 1, cd.Calculated_Balance = -1600, cd.Terminal_ID = 0, cd.count = 3;	Updated Card Data 생성되지 않음
TEAM1_PTS_1_000_000	time = "201411200000" Input	
TEAM1_PTS_1_000_001	time = "201411200100" Input	
TEAM1_PTS_1_000_002	time = "201411200008" Input	
TEAM1_PTS_1_000_003	time = "201411200108" Input	
TEAM1_PTS_1_001_000	Enable Input	Hold=true(1) Output

TEAM1_PTS_1_001_001	Disable Input	Hold=false(0) Output
TEAM1_PTS_1_002_000	trigger , Stack ED={ 201411200008, M, 1, 1050 201411200124, M, 0, 400 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200600, B, 1, 1050 201411200800, B, 0, 0 } Input	SF = { 201411200800, 201411200124, 2100, 1400 }Output
TEAM1_PTS_1_002_001	trigger , Stack ED={ 201411200008, M, 1, 1050 201411200124, M, 0, 400 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0 201411200600, M, 0, 300} Input	SF = { 201411200440, 201411200600, 591, 2209 }Output
TEAM1_PTS_1_002_002	trigger , Stack ED={ 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0 201411200600, M, 0, 300 201411200640, B, 1, 0 201411201448, B, 0, 200} Input	SF = { 201411201448, 201411200600, 976, 574 }Output
TEAM1_PTS_1_002_003	trigger , Stack ED={ 201411200016, M, 1, 1050 201411200040, M, 0, 200 201411200232, B, 1, 0 201411201224, B, 0, 200 201411201400, M, 1, 0 201411201408, M, 0, 600 201411201416, B, 1, 0 201411201824, B, 0, 200} Input	SF = { 201411201824, 201411201408, 1042, 1408 }Output
TEAM1_PTS_1_002_004	trigger , Stack ED={ 201411200016, B, 1, 1050 201411200216, B, 0, 0 201411200616, B, 1, 1050 201411200624, B, 0, 0 201411200632, B, 1, 1050 201411200640, B, 0, 0} Input	SF = { 201411200640, NULL, 3150, NULL }Output
TEAM1_PTS_1_002_005	trigger , Stack ED={ 201411200016, M, 1, 1050 201411200216, M, 0, 0 201411200616, M, 1, 1050 201411200624, M, 0, 0 201411200632, M, 1, 1050 201411200640, M, 0, 0} Input	SF = { NULL, 201411200640, NULL, 3150 }Output
TEAM1_PTS_1_002_006	trigger ,	SF = {

	Stack ED={ 201411200008, M, 1, 1050 201411200124, M, 0, 400 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0} Input	201411200440, 201411200504, 1050, 1450 }Output
TEAM1_PTS_1_002_007	trigger , Stack ED={ 201411200400, B, 1, 1050 201411200440, B, 0, 0 201411200504, M, 1, 0 201411200600, M, 0, 300 201411200640, B, 1, 0} Input	SF = { 201411200640, 201411200600, 591, 759 }Output
TEAM1_PTS_1_002_008	trigger , Stack ED={ 201411200016, M, 1, 1050 201411200040, M, 0, 200 201411200232, B, 1, 0 201411201224, B, 0, 200 201411201400, M, 1, 0 201411201408, M, 0, 600 201411201416, B, 1, 0} Input	SF = { 201411201416, 201411201408, 907, 1143 }Output
TEAM1_PTS_1_002_009	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, B, 0, 0} Input	SF = { 201411201030, 201411201010, 1750, 1050 }Output
TEAM1_PTS_1_002_010	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, M, 1, 1750 201411201040, M, 0, 0} Input	SF = { 201411201020, 201411201040, 1750, 2800 }Output
TEAM1_PTS_1_002_011	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, M, 1, 1750 201411201040, B, 1, 1750 201411201050, B, 0, 0 } Input	SF = { 201411201050, 201411201030, 3500, 2800 }Output
TEAM1_PTS_1_002_012	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750 201411201030, B, 0, 0 201411201050, M, 1, 0 201411201058, M, 0, 300} Input	SF = { 201411201030, 201411201058, 1157, 1943 }Output
TEAM1_PTS_1_002_013	trigger , Stack ED={ 201411201010, M, 1, 1050 201411201020, B, 1, 1750	SF = { 201411201130, 201411201040, 2444, 2406 }Output

	201411201030, M, 1, 1750 201411201040, M, 0, 300 201411201100, B, 1, 0 201411201130, B, 0, 0} Input	
TEAM1_PTS_1_002_014	trigger , Stack ED={ 201411201000, M, 1, 1050 201411201030, M, 0, 400 201411201100, B, 1, 0 201411201200, M, 1, 1750} Input	SF = { 201411201100, 201411201200, 609, 2591 }Output

2.3 Input specifications

<Table 2 : Test Design Identification> 참조

2.4 Output specifications

<Table 2 : Test Design Identification> 참조

3 Environmental needs

[2014_SE_B][T1]UTP_ Ver1.0, 9 Enviromental needs 참조

4 Unit test summary report

4.1 Test summary report identifier

<Table 1 : Test Design Identification> 참조

4.2 Evaluation