**Loyalty Manage System**

Unit TestCase

|  |  |
| --- | --- |
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**Revision History**

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| 04/01/2010 | 1.1 | Add balance inquiry test | Hung Pham |

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All testcase is designed basing on LMSDB database.

# Add Point Test Case

## TC1

Purpose of this testcase for happy path case.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 00 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 63 | 000000000000000000000000000015000000000000000000000000000015 |  |

## TC2

Purpose of this testcase use to check invalid merchant or Terminal Id error.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000006 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 03 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | **MID OR TID NOT FOUND** |  |

## TC3

Purpose of this testcase used to check invalid card number.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 2467345234523412=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 2467345234523412=10041011765710800000 |  |
| 39 | 14 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | **INVALID CARD NUMBER** |  |

## TC4

Purpose of this test case is used to check expire card.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567887654321=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567887654321=10041011765710800000 |  |
| 39 | 54 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | **EXPIRE CARD** |  |

## TC5

Purpose of this test case is used to check PoSCC that is not supported.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 05 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 05 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 58 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | POSCC NOT FOUND |  |

## TC6

Purpose of this case used to check client send lack bundle of field. In this case, client didn’t send field Number 11.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 03 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 03 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 15 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | **INVALID FIELD** |  |

# Suntract Point Test.

Before test case begined. Please make sure that we had completed test case form 1.2 to 1.6.

## TC1

Purpose of this testcase for happy path case.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 417000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 00 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 63 | 000000000000000000000000000015000000000000000000000000000015 |  |

## TC2

Purpose of this case use to check error flow of subtract point.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | **307000** |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 40700 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 24 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | FORWARD\_FAIL |  |

# Balance Inquiry Test case

## TC1

Pre condition : Current point of JPOS\_Customer with identify card number 8765432112345678’ has updated to 50.

All add point test and subtract point test has succeed.

Purpose of this case use to check balance inquiry case.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 427000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 8765432112345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 00 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 63 | 0000000050 |  |

## TC2

Pre condition : Current point of JPOS\_Customer with identify card number 8765432112345678 has been updated to 50.

All add point test and subtract point test has succeed.

Purpose of this case use to check MTI of balance inquiry case.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 427000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 8765432112345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 00 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 63 | 0000000050 |  |

# Activation Test case

## TC1

Pre condition : Current point of JPOS\_Customer with IsActivated column of identify card number 1234567812345678 has been updated to 1 that It mean it has already activated.

Purpose of this case use to check check card has already activated.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 457000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 91 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | ACTIVATED\_CARD |  |

## TC2

Pre condition : Current point of JPOS\_Customer with IsActivated column of identify card number 8765432112345678 has been updated to 0 that It means it hasn’t activated yet.

Purpose of this case use to check activate card which hasn’t activated yet.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 457000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 8765432112345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 8765432112345678=10041011765710800000 |  |
| 39 | 00 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | TRANSACTION SUCESSFULL |  |

## TC3

Pre condition : Current point of JPOS\_Customer with IsActivated column of identify card number 8765432112345678 has been updated to 0 that It means it hasn’t activated yet.

Purpose of this case use to check add point with card number which hasn’t activated yet.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 407000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 8765432112345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 4 | 000001500000 |  |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 8765432112345678=10041011765710800000 |  |
| 39 | 93 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | No Activated Card |  |

# Redemption Test case

## TC1

Pre condition : Current point of JPOS\_Customer with JPOS\_CurrentPoint column of identify card number 1234567812345678 has been updated to 50.

Purpose of this case use to check check that customer’s point is not enough money to exchange case.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 447000 |  |
| 4 | 000000000001 | GiftType |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 4 | 000000000001 | GiftType |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 95 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | NOT ENOUGH POINT TO EXCHANGE |  |

## TC2

Pre condition : Current point of JPOS\_Customer with JPOS\_CurrentPoint column of identify card number 1234567812345678 has been updated to 450.

Purpose of this case use to check check happy redemption.

### Message Send.

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0200 | MTI |
| 3 | 447000 |  |
| 4 | 000000000004 | GiftType |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |

### Message Expect Receive

|  |  |  |
| --- | --- | --- |
| Field | Value | Note |
| 0 | 0210 | MTI |
| 3 | 407000 |  |
| 4 | 000000000001 | GiftType |
| 11 | 123456 |  |
| 12 | 114109 |  |
| 13 | 0122 |  |
| 25 | 00 |  |
| 35 | 1234567812345678=10041011765710800000 |  |
| 39 | 95 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | TRANSACTION SUCCESSFUL |  |
| 63 | 00000003000000000150 |  |