**Loyalty Manage System**

Unit TestCase

|  |  |
| --- | --- |
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| Review By | Khuyen Nguyen |
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**Revision History**

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| Date | Version | Description | Author |
| 03/15/2010 | 1.0 | Initial | Hung Pham |
| 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 | 15 |  |
| 41 | 00000001 |  |
| 42 | 000000000000001 |  |
| 62 | INVALID\_FIELD |  |

# 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 |  |
| 4 | 000001500000 |  |
| 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 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 |  |
| 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 |  |