**Chiang Mai Red Taxi**

**Service Assistant**

**Test Plan**

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**Table of Content**

**Chapter One | Introduction**………………………………………..………….6

Purpose………………………………………………………………………….……………..6

Scope………………………………………………………………………….……………….6

Acronyms and Definitions ...………………………………………………………………….6

Abbreviation…………………………………………………………………………………...8

Dependency Document………………………………………………………………………..8

**Chapter Two | Test Plan and Test Procedure………………………………8**

Test Objectives………………………………………………………………………………...8

Scope of Testing……………………………………………………………………………….9

Test Duration…………………………………………………………………………………..9

Test Responsibility…………………………………………………………………………….9

Test Strategy…………………………………………………………………………………..9

Result of Testing………………………………………………………………………………9

Test Environment…………………………………………………………………………….10

**Unit Test Case-Driver side**……………………………………………………11

Unit Test Case 1 (UTC-01): ...…………………………………………………………….....11

Unit Test Case 2 (UTC-02): …………………………………………………………………12 Unit Test Case 3 (UTC-03): …………………………………………………………………13 Unit Test Case 4 (UTC-04): ………………………………………………………………....14 Unit Test Case 5 (UTC-05): …………………………………………………………………15 Unit Test Case 6 (UTC-06): …………………………………………………………………16 Unit Test Case 7 (UTC-07): …………………………………………………………………17

Unit Test Case 8 (UTC-08): …………………………………………………………………18 Unit Test Case 9 (UTC-09): …………………………………………………………………19 Unit Test Case 10 (UTC-10): ………………………………………………………………..20 Unit Test Case 11 (UTC-11): ………………………………………………………………..21 Unit Test Case 12 (UTC-12): ………………………………………………………………..22

**Unit Test Case-Passenger side……………………………………………….23**

Unit Test Case 13 (UTC-13): ………………………………………………………………..23 Unit Test Case 14 (UTC-14): ………………………………………………………………..24 Unit Test Case 15 (UTC-15): ………………………………………………………………..25

Unit Test Case 16 (UTC-16): ………………………………………………………………..26 Unit Test Case 17 (UTC-17): ………………………………………………………………..27 Unit Test Case 18 (UTC-18): ………………………………………………………………..28 Unit Test Case 19 (UTC-19): ………………………………………………………………..29 Unit Test Case 20 (UTC-20): ………………………………………………………………..30 Unit Test Case 21 (UTC-21): ………………………………………………………………..31 Unit Test Case 22 (UTC-22): ………………………………………………………………..32

Unit Test Case 23 (UTC-23): ………………………………..………………………………33

**Unit Test Case – PHP side……………………………………………………34**

Unit Test Case 24 (UTC-24): ………………………………………………………………..34 Unit Test Case 25 (UTC-25): ………………………………………………………………..35 Unit Test Case 26 (UTC-26): ………………………………………………………………..36 Unit Test Case 27 (UTC-27): ………………………………………………………………..37 Unit Test Case 28 (UTC-28): ………………………………………………………………..38 Unit Test Case 29 (UTC-29): ………………………………………………………………..39 Unit Test Case 30 (UTC-30): ………………………………………………………………..40 Unit Test Case 31 (UTC-31): ………………………………………………………………..41 Unit Test Case 32 (UTC-32): ………………………………………………………………..42 Unit Test Case 33 (UTC-33): ………………………………………………………………..43 Unit Test Case 34 (UTC-34): ………………………………………………………………..44 Unit Test Case 35 (UTC-35): ………………………………………………………………..45 Unit Test Case 36 (UTC-36): ………………………………………………………………..46 Unit Test Case 37 (UTC-37): ………………………………………………………………..47 Unit Test Case 38 (UTC-38): ………………………………………………………………..48 Unit Test Case 39 (UTC-39): ………………………………………………………………..49 Unit Test Case 40 (UTC-40): ………………………………………………………………..50 Unit Test Case 41 (UTC-41): ………………………………………………………………..51 Unit Test Case 42 (UTC-42): ………………………………………………………………..52 Unit Test Case 43 (UTC-43): ………………………………………………………………..55 Unit Test Case 44 (UTC-44): ………………………………………………………………..56 Unit Test Case 45 (UTC-45): ………………………………………………………………..57 Unit Test Case 46 (UTC-46): ………………………………………………………………..58 Unit Test Case 47 (UTC-47): ………………………………………………………………..59 Unit Test Case 48 (UTC-48): ………………………………………………………………..60 Unit Test Case 49 (UTC-49): ………………………………………………………………..61 Unit Test Case 50 (UTC-50): ………………………………………………………………..62 Unit Test Case 51 (UTC-51): ………………………………………………………………..63 Unit Test Case 52 (UTC-52): ………………………………………………………………..64 Unit Test Case 53 (UTC-53): ………………………………………………………………..63

Unit Test Case 54 (UTC-54): ………………………………………………………………..64

Unit Test Case 55 (UTC-55): ………………………………………………………………..65

Unit Test Case 56 (UTC-56): ………………………………………………………………..66

Unit Test Case 57 (UTC-57): ………………………………………………………………..67

Unit Test Case 58 (UTC-58): ………………………………………………………………..68

Unit Test Case 59 (UTC-59): ………………………………………………………………..69 Unit Test Case 60 (UTC-60): ………………………………………………………………..70 Unit Test Case 61 (UTC-61): ………………………………………………………………..71 Unit Test Case 62 (UTC-62): ………………………………………………………………..72

Unit Test Case 63 (UTC-63): ………………………………………………………………..73

Unit Test Case 64 (UTC-64): ………………………………………………………………..74

Unit Test Case 65 (UTC-65): ………………………………………………………………..75

Unit Test Case 66 (UTC-66): ………………………………………………………………..76

**System Test Case……………………………………………………………..77**

System Test Case 1 (STC-01): …………………………….………………………………...77

System Test Case 2 (STC-02): …………………………….………………………………...78

System Test Case 3 (STC-03): …………………………….………………………………...79

System Test Case 4 (STC-04): …………………………….…………………………….…..80

System Test Case 5 (STC-05): …………………………….………………………………...81

System Test Case 6 (STC-06): …………………………….………………………………...82

System Test Case 7 (STC-07): …………………………….…………………………….…..83

System Test Case 8 (STC-08): …………………………….…………………………….…..84

System Test Case 9 (STC-09): …………………………….…………………………….…..85

System Test Case 10 (STC-10): ………………………...……………………………….…..86

System Test Case 11 (STC-11): ………………………...……………………………….…..87

System Test Case 12 (STC-12): ………………………...……………………………….…..88

System Test Case 13 (STC-13): ………………………...…………………………….……..89

System Test Case 14 (STC-14): ………………………...…………………………….……..90

System Test Case 15 (STC-15): ………………………...……………………………….…..91

System Test Case 16 (STC-16): ………………………...……………………………….…..92

System Test Case 17 (STC-17): ………………………...……………………………….…..93

System Test Case 18 (STC-18): ………………………...……………………………….…..94

System Test Case 19 (STC-19): ………………………...……………………………….…..95

System Test Case 20 (STC-20): ………………………...……………………………….…..96

**Appendix A …………………………………………………………………………………97**

**Appendix B …………………………………………………………………………………98**

**Chapter One | Introduction**

**Introduction**

This Test plan document is the document to describe plan of testing and methodologies that are used in testing The Chiang Mai Red Taxi Service Assistant.

**Purpose**

The purpose of Test Plan describes the plan for unit testing and system test of The Chiang Mai Red taxi Service Assistant system. This document includes test cases for unit testing and system testing, and test data. The Chiang Mai Red taxi Service Assistant test plan consists of the description of each function in the system. From the result of each function can help developer to fix the defects and reducing the cost of the long term maintenance.

**Scope**

The Scope the plan document covers all the events and activities involving the verification of the Chiang Mai Red taxi Service Assistant and System requirements. The unit testing is used to detect the defects in the system. The system testing is used to verify that the system is fully integrated and meets all of the user requirements specified in the Software Requirement Specification.

**Acronyms and Definitions**

**Acronyms**

PMP Project Management Plan

SDD Software Design Document

SRS Software Requirement Specification

UC Use Case

UI User Interface

UTC Unit Test Case

STC System Test Case

**Definitions**

Feature Transformation of input parameters to output parameters based on a specified algorithm. It describes the functionality of a produce in the language of the product. Used for requirements analysis, design, coding, testing or maintenance. [IEEE90]

Design The period of time in the software life cycle during which the designs for architecture, software component, interfaces and data are created, documented, and verified to satisfy requirements. [IEEE90]

IEEE Institute for Electrical and Electronics Engineers. Biggest global interest group for engineers of different branches and for computer scientists. [IEEE90]

Requirement (1) A condition or capability needed by a user to solve a problem or achieve an objective. (2) A condition or capability that must be met or processed by system or system component to satisfy a contract, standard, specification, or other formally imposed document. (3) A documented representation of a condition or capability as in definition (1) or (2). [IEEE90]

Specification Precise description of an activity or work product which serves as basis or input for further activities or work product. A specification can comprise requirements to a product and how they will be solved. Different parts of a specification (e.g. what is to be done, how it will be done) must not be mixed. [IEEE90]

White box testing Testing process that focus on internal structure. The tester should know the code inside the program and test it through the code and determines the appropriate outputs.

Black box testing Process, device or system that focus on input, output and transfer characteristics without knowledge about it internal structure.

Unit Testing A level of the software testing process where individual units/components of a software/system are tested. The purpose is to validate that each unit of the performs as designed.

System testing A level of the software testing process where a complete, integrated system/software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements.

**Abbreviation**

Unit Test Case-xx Unit test case number

System Test Case-xx System test case number

**Dependency Document**

This Test Plan is depended on the following documents

* Software Project Management plan
* Software Requirement Specification
* Software Design Document
* Traceability Record

**Chapter Two | Test Plan and Test Procedure**

**Test Objectives**

The objectives of The Chiang Mai Red taxi Service Assistant are to ensure that the system fulfills the followings:

* Bugs and defects are detected and fixed.
* All user requirements are met.
* All functionalities and features are provided.
* All functionalities and features conform to the descriptions in the Project Requirement Specification and the Project Design Specification.

**Scope of Testing**

The Chiang Mai Red taxi Service Assistant will be tested using both white-box testing technique (i.e. unit testing) and black-box testing technique (i.e. system testing). The test results will be documented in the Test Record.

**Test Duration**

|  |  |
| --- | --- |
| **Progress** | **Date and Duration** |
| Progress Report I | Perform date: 1 July 2014-30 July 2014  Duration: 30 days |
| Progress Report II | Perform date:-  Duration:- |
| Final Progress | Perform date:-  Duration:- |

**Test Responsibility**

|  |  |
| --- | --- |
| **Item** | **Responsibility** |
| Unit Test | Kanittee, Pimchittra |
| Unit Test Record | Kanittee, Pimchittra |
| Integration Test | Kanittee, Pimchittra |
| Integration Test Record | Kanittee, Pimchittra |
| System Test | Kanittee, Pimchittra |
| System Test Record | Kanittee, Pimchittra |

**Test Strategy**

The Chiang Mai red taxi service assistant test strategy will ne follow by:

1.Design test case for each feature.

2.Prepare test data each feature.

3.Determine expected results.

4.Perform testing on individual features.

5.Result of testing will be record.

6.All test files will be store in the project repository

**Result of Testing**

In the test record the test result will separate into two parts, which are:

1.Actual output: The actual outputs that are performed by each test case.

2.Pass/Fail criteria:

2.1 Pass: the result of actual result is same like expected result.

2.2 Fail: the result of actual result is not same like expected result.

**Test Environment**

**Hardware**

-Computer : Lenovo Windows 7 500GB HDD, 2GB DDR3 memory

-Smart Phone : Lenovo A316i android operating system 4.2.2

**Software**

-Java Android SDK 4.0

-Google map V.3

-PHP

-JSON

**Unit Test Case-Driver side**

**UTC 01-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

ChatActivity

**Unit Test Case 01 (UTC-01):** onCreate(Bundle savedInstanceState)

**Description:** Chatroom should be active all the time when Driver clicks to accept Passenger’s request. Test that the chatroom is active when onCreate() method is invoked.

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that System that Chat room is active when Oncreate() is invoked | - | assertEquals(tclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | True |

**UTC 02-** **addListenerOnButton()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

ChatActivity

**Unit Test Case 02 (UTC-02):** addListenerOnButton()

**Description:** Chatting process should be active all the time when Driver clicks to send the chat message to passenger.

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that System that Chat room is active when Oncreate() is invoked | - | assertEquals(tclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | True |

**UTC 03-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MainActivity

**Unit Test Case 03 (UTC-03):** onCreate(Bundle savedInstanceState)

**Description:** Login page should be active all the time when Driver start the application .

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that System that log in page is active when Oncreate() is invoked | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 04-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 04 (UTC-04):** onCreate(Bundle savedInstanceState)

**Description:** Search page should be active when Driver login to the system successfully.Test the update driving information page is active when invoke method onCreate(Bundle savedInstanceState).

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that Search page is active when invoke onCreate(Bundle savedInstanceState) | - | assertEquals(tclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 05- showOnMap(double lat,double lng)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 05 (UTC-05):** showOnMap(double lat,double lng)

**Description:** The map should be active when Driver access to the update driving information.The map should be active when invoke the method showOnMap(double lat,double lng)**.**

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that the map is active when invoke method showOnMap(double lat,double lng) | 18.767925361556415, 98.96840095521543 | assertEquals(tclass.callResult,"showOnMap(double lat,double lng):Success"); | true |

**UTC 06- updatePosition()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 06 (UTC-06):** updatePosition()

**Description:** Updating position should be active when Driver already login to the system. Testing to update position is active when invoke the method updatePosition()

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing to update position is active when invoke the method updatePosition() | - | assertEquals(tclass.callResult,"updatePosition():Success"); | true |

**UTC 07- createDestSpinner()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 07 (UTC-07):** createDestSpinner()

**Description:** Destination spinner (drop down list) should be active when Driver is in update driving information page. Testing Destination spinner is active when invoke the method createDestSpinner().

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Destination spinner is active when invoke the method createDestSpinner(). | - | assertEquals(tclass.callResult,"createDestSpinner():Success"); | true |

**UTC 08- addListenerOnButton()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 08 (UTC-08):** addListenerOnButton()

**Description:** Updating driving information should be active when Driver click on the OK button ,after inputting driving information . Testing Updating driving information is active when invoke the method addListenerOnButton()

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Updating driving information is active when invoke the method addListenerOnButton() | - | assertEquals(tclass.callResult,"addListenerOnButton():Success"); | true |

**UTC 09- onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

mysearchActivity

**Unit Test Case 09 (UTC-09):** addListenerOnButton()

**Description:** Request page should be active when Driver click update driving information . Testing Request page is active when invoke onCreate(Bundle savedInstanceState)**.**

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | . Testing Request page is active when invoke onCreate(Bundle savedInstanceState). | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 10- createDestListView(ListView view,String url,String type)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

mysearchActivity

**Unit Test Case 10 (UTC-10):** createDestListView(ListView view,String url,String type)

**Description:** Request list should be active when Driver click update driving information . Testing Request list is active when invoke onCreate(Bundle savedInstanceState)**.**

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Request list is active when invoke onCreate(Bundle savedInstanceState)**.** | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 11- testupdateChatStatus()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

mysearchActivity

**Unit Test Case 11 (UTC-11):** testupdateChatStatus()

**Description:** updating Chat status should be active when Driver click accept the passenger request Testing updating Chat status is active when invoke testupdateChatStatus()

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing updating Chat status is active when invoke testupdateChatStatus() | - | assertEquals(tclass.callResult,"updateChatStatus(String request\_status):Success"); | true |

**UTC 12-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

RegisterActivity

**Unit Test Case 12 (UTC-12):** onCreate(Bundle savedInstanceState)

**Description:**

Register page should be active all the time when Driver click on “register” button in login page . Testing Register page is active when invoke the method onCreate(Bundle savedInstanceState).

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Register page is active when invoke the method onCreate(Bundle savedInstanceState). | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**Unit Test Case-Passenger side**

**UTC 13-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

ChatActivity

**Unit Test Case 13 (UTC-13):** onCreate(Bundle savedInstanceState)

**Description:** Chatroom should be active all the time when Passenger clicks to send request to Driver. Test that the chatroom is active when onCreate() method is invoked.

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that System that Chat room is active when Oncreate() is invoked | - | assertEquals(tclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | True |

**UTC 14-** **addListenerOnButton()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

ChatActivity

**Unit Test Case 14 (UTC-14):** addListenerOnButton()

**Description:** Chatting process should be active all the time when Passenger clicks to send the chat message to Driver.

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that System that Chat room is active when Oncreate() is invoked | - | assertEquals(tclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | True |

**UTC 15-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MainActivity

**Unit Test Case 15 (UTC-15):** onCreate(Bundle savedInstanceState)

**Description:** Login page should be active all the time when Passenger start the application . Test that login page is active when the method invoke onCreate(Bundle savedInstanceState).

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that System that log in page is active when onCreate(Bundle savedInstanceState).is invoked | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 16-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 16 (UTC-16):** onCreate(Bundle savedInstanceState)

**Description:** Search page should be active when Passenger login to the system successfully.Test the Search page is active when invoke method onCreate(Bundle savedInstanceState).

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that Search page is active when invoke onCreate(Bundle savedInstanceState) | - | assertEquals(tclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 17- showOnMap(double lat,double lng)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 17 (UTC-17):** showOnMap(double lat,double lng)

**Description:** The map should be active when Passenger access to the search page.The map should be active when invoke the method showOnMap(double lat,double lng)**.**

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Test that the map is active when invoke method showOnMap(double lat,double lng) | 18.767925361556415, 98.96840095521543 | assertEquals(tclass.callResult,"showOnMap(double lat,double lng):Success"); | true |

**UTC 18- createDestSpinner()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 18 (UTC-18):** createDestSpinner()

**Description:** Destination spinner (drop down list) should be active when Passenger is in search page. Testing Destination spinner is active when invoke the method createDestSpinner().

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Destination spinner is active when invoke the method createDestSpinner(). | - | assertEquals(tclass.callResult,"createDestSpinner():Success"); | true |

**UTC 19- addListenerOnButton()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

MylocatemapActivity

**Unit Test Case 19 (UTC-19):** addListenerOnButton()

**Description:** Updating driving information should be active when Passenger click on the OK button ,after inputting condition. Testing Updating driving information is active when invoke the method addListenerOnButton()

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Updating driving information is active when invoke the method addListenerOnButton() | - | assertEquals(tclass.callResult,"addListenerOnButton():Success"); | true |

**UTC 20- onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

mysearchActivity

**Unit Test Case 20 (UTC-20):** addListenerOnButton()

**Description:** Search result page should be active when Passenger search for the red taxi . Testing Search result page is active when invoke onCreate(Bundle savedInstanceState)**.**

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | . Testing Search result page is active when invoke onCreate(Bundle savedInstanceState). | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**UTC 21- createDestListView(ListView view,String url,String type)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

mysearchActivity

**Unit Test Case 21 (UTC-21):** createDestListView(ListView view,String url,String type)

**Description:** Taxi result list should be active when Passenger click search for the taxu .Testing Taxi result list is active when invoke createDestListView(ListView view,String url,String type)

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Taxi result list is active when invoke createDestListView(ListView view,String url,String type) | - | assertEquals(tclass.callResult,"createDestListView(ListView view,String url):Success"); | true |

**UTC 22- testupdateChatStatus()**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

mysearchActivity

**Unit Test Case 22 (UTC-22):** testupdateChatStatus()

**Description:** updating Chat status should be active when Passenger click accept the passenger request Testing updating Chat status is active when invoke testupdateChatStatus()

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing updating Chat status is active when invoke testupdateChatStatus() | - | assertEquals(tclass.callResult,"updateChatStatus(String request\_status):Success"); | true |

**UTC 23-** **onCreate(Bundle savedInstanceState)**

**Package:**

com.taxiservice.chiangmairedtaxi.test

**Class:**

RegisterActivity

**Unit Test Case 23 (UTC-23):** onCreate(Bundle savedInstanceState)

**Description:**

Register page should be active all the time when Passenger click on “register” button in login page . Testing Register page is active when invoke the method onCreate(Bundle savedInstanceState).

**Prerequisites:**

ReportFunctionCallResult(String functionName, boolean functionCallResult)

**Test data:**

**-**

**Test cases:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Assertion** | **Expected Result** |
| 1 | Testing Register page is active when invoke the method onCreate(Bundle savedInstanceState). | - | assertEquals(testclass.callResult,"onCreate(Bundle saveInstanceState):Success"); | true |

**Unit Test Case –PHP side**

**UTC 24- $conn = mysql\_connect (‘localhost’, ’theredta\_usr’, ‘theredta\_pwd’);**

Class : \_conn.php

**Unit Test Case 24 (UTC-24):** $conn = mysql\_connect (‘localhost’, ’theredta\_usr’, ‘theredta\_pwd’);

**Description**

Test the method by check localhost, username and password.

**Prerequisites or Test input**

The test input is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | localhost= theredtaxi  theredta\_usr= mel  theredta\_pwd= 321 | by mysql, query data into the database | the data has been query into the database |
| 2 | Test adding another correct element resource | localhost= theredtaxi  theredta\_usr= kkk  theredta\_pwd= fcc | by mysql, query data into the database | the data has been query into the database |
| 3 | Test adding incorrect element resource | localhost= theredtaxi  theredta\_usr= nnn  theredta\_pwd= jjj | by mysql, cannot query data into the database because no this input element in database | the data has not been query into the database |
| 4 | Test adding blank element resource | localhost= theredtaxi  theredta\_usr=null  theredta\_pwd=null | by mysql, cannot query data into the database because not input elements. | the data has not been query into the database |

**UTC 25-** **$conn\_db = mysql\_select\_db('theredta\_db', $conn);**

Class : \_conn.php

**Unit Test Case 25 (UTC-25):** $conn\_db = mysql\_select\_db('theredta\_db', $conn);

**Description**

Test method that database can query with ‘conn’ function.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | mysql\_select\_db =theredta\_db “tdriver” | by mysql, query data into the database name tdriver | the data has been query into the database (tdriver) |
| 2 | Test adding another correct element resource | mysql\_select\_db =theredta\_db “tpassenger” | by mysql, query data into the database name tpassenger | the data has been query into the database (tpassenger) |
| 3 | Test adding incorrect element resource | mysql\_select\_db =theredta\_db “tpassenger\_ggg” | by mysql, cannot query data into the database name tpassenger\_ggg because no this database’s name | the data has not been query into the database |
| 4 | Test adding blank element resource | null | by mysql, cannot query data | the data has not been query into the database |

**UTC 26- Blank\_to\_Null ($strChk)**

Class : \_function.php

**Unit Test Case 26 (UTC-26):** Blank\_to\_Null ($strChk)

**Description**

Test Blank\_to\_null method that change element to null

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_id = null  driver\_name=null | from tdriver, if element is null then will return “null” | display “null” in database |
| 2 | Test adding another correct element resource | driver\_id = 140522034348  driver\_name=null | if some elements are null, return null. | display “null” in database |
| 3 | Test adding incorrect element resource | driver\_id = 1111  driver\_name=xxx | if not null, return text | display “1111”and “xxx” |

**UTC 27- Blank\_to\_Text ($strChk,$strChange)**

Class : \_function.php

**Unit Test Case 27 (UTC-27):** Blank\_to\_Text ($strChk,$strChange)

**Description**

Test Blank\_to\_Text method that change element to Text.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_id = 140522034348  driver\_name=jay | from tdriver, if element is fill text, return text. | display “140522034348” and “jay” |
| 2 | Test adding another correct element resource | driver\_id = 140602035531  driver\_name=park | from tdriver, if element is fill text, return text. | display “140602035531”  and “park” |
| 3 | Test adding incorrect element resource | driver\_id = null  driver\_name= null | from tdriver, if elements are null, return null. Not text. | display “null” |

**UTC 28- FixInputText($chr\_Start,$chr\_End)**

Class : \_function.php

**Unit Test Case 28 (UTC-28):** FixInputText($chr\_Start,$chr\_End)

**Description**

Test FixInputText method that fix element only number or text.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_id = 140522034348 | from tdriver, element is number | display “140522034348” |
| 2 | Test adding another correct element resource | driver\_id = 140602035531 | from tdriver, element is number | display “140602035531” |
| 3 | Test adding incorrect element resource | driver\_id = uuuuu | from tdriver, element is only number, but put in text | cannot display elements |
| 4 | Test adding blank element resource | driver\_id=null | from tdriver, if element is null | display “null” |

**UTC 29- Get\_Value($sField,$sTable,$sConditional)**

Class : \_function.php

**Unit Test Case 29 (UTC-29):** Get\_Value($sField,$sTable,$sConditional)

**Description**

Test Get\_value method that get function form, value and condition.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id= 984723  pass\_name= Adam lav | from tpassenger\_position | the data has been updates in database |
| 2 | Test adding another correct element resource | pass\_id= 140602012236  pass\_name= brooke | from tpassenger\_position | the data has been updates in database |
| 3 | Test adding incorrect element resource | pass\_id= vvvv  pass\_name= \*\*(&( | from tpassenger\_position, pass\_id and pass\_name is not in the database | the data has not been updates in database |
| 4 | Test adding blank element resource | pass\_id= null  pass\_name= null | from tpassenger\_position, the elements are no input data | the data has not been updates in database |

**UTC 30- Count\_value($sField,$sTable,$sConditional)**

Class : \_function.php

**Unit Test Case 30 (UTC-30):** Count\_value($sField,$sTable,$sConditional**)**

**Description**

Test Count\_value method that count data from value in database.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id= 984723  pass\_name= Adam lav | count value =1,  for collect in a row | the data is count in row of database |
| 2 | Test adding another correct element resource | pass\_id=984723  pass\_name= Adam lav | count value =1,  for collect in a row | the data is count in row of database |
| pass\_id= 123456789456  pass\_name= Dan Klin | count value =1,  for collect in a row |
| 3 | Test adding incorrect element resource | - | this is count value data, should have a data. | the data is not count in row of database |

**UTC 31- Sum\_value($sField,$sTable,$sConditional)**

Class : \_function.php

**Unit Test Case 31 (UTC-31):** Sum\_value($sField,$sTable,$sConditional)

**Description**

Test Sum\_value method that summary value.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id= 984723  pass\_name= Adam lav | sum value =1,  for summary result | the result of data has been summary in database |
| 2 | Test adding another correct element resource | pass\_id=984723  pass\_name= Adam lav | sum value =3,  for summary result | the result of data has been summary in database |
| pass\_id= 123456789456  pass\_name= Dan Klin |
| pass\_id= 140616012549  pass\_name=nornae |
| 3 | Test adding incorrect element resource | - | this is summary value data, should have a data. | the result of data has not been summary in database |

**UTC 32- GenID($sField,$stable,$nCount)**

Class : \_function.php

**Unit Test Case 32 (UTC-32):** GenID($sField,$stable,$nCount)

**Description**

Test GenID method that check that primary key of table not duplicated.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id=1527434  pass\_name=balii saa | from tpassenger, not duplicated data | the data has been updates into database |
| 2 | Test adding another correct element resource | pass\_id=23133  pass\_name=kaa lop | from tpassenger, not duplicated data | the data has been updates into database |
| 3 | Test adding incorrect element resource | pass\_id=152734  pass\_name=balii saa | from tpassenger and duplicated from test case id 1,so it’s will false. | the data has not been updates into database |

**UTC 33- Create\_Combo1Display($sSelected,$sFiled1,$sFiled2,$sTable,$sCondition)**

Class : \_function.php

**Unit Test Case 33 (UTC-33):** Create\_Combo1Display($sSelected,$sFiled1,$sFiled2,$sTable,$sCondition)

**Description**

Test Create\_Combo1Display method that can view data in list.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | Chiang Mai gate  Chiang Mai university | from destination combo list | display “Chiang Mai gate” and “Chiang Mai University” in combo list |
| 2 | Test adding another correct element resource | Ping River | from destination combo list | display “Ping River” in combo list |
| 3 | Test adding incorrect element resource | - | - | - |

**UTC 34- date\_now($split)**

Class : \_function.php

**Unit Test Case 34 (UTC-34):** date\_now($split)

**Description**

Test date\_now method that displays date.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | d = 17  m = June  y= 2014 | d = day  m= month  y =year | the data has been display “ 2014-06-17” |
| 2 | Test adding another correct element resource | d = 3  m = April  y= 2007 | d = day  m= month  y =year | the data has been display “ 2007-04-03” |
| 3 | Test adding incorrect element resource | d = xxx  m = \*&(^&  y= ttttt | d = day  m= month  y =year | the data has not been display |

**UTC 35- ShowMode($sActMode)**

Class : \_function.php

**Unit Test Case 35 (UTC-35):** ShowMode($sActMode)

**Description**

Test ShowMode method that actions administrator’s functions “add” and “edit”.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $sActMode =“add” | show add action of destination. | display “add” action on site. |
| 2 | Test adding another correct element resource | $sActMode =“edit” | show edit action of destination | display “edit” action on site. |
| 3 | Test adding incorrect element resource | - | - | - |

**UTC 36- Quote($str)**

Class : \_function.php

**Unit Test Case 36 (UTC-36):** function Quote($str)

**Description**

Test Quote method that checks function can process completely.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $str =“select” | show select action of destination. | the data has been selected |
| 2 | Test adding another correct element resource | $str =“delete” | show delete action of destination. | the data has been deleted from the database |
| 3 | Test adding incorrect element resource | - | - | - |

**UTC 37- RepSearch($str)**

Class : \_function.php

**Unit Test Case 37 (UTC-37):** RepSearch($str)

**Description**

Test RepSearch method that fills text on function.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $str =“ ^“ | display text “^” | the data display “^” |
| 2 | Test adding another correct element resource | $str =“%” | display text “%” | the data display “%” |
| 3 | Test adding incorrect element resource | null | not adding any texts or functions | the data has not been display |

**UTC 38- cancellink($srefer,$sdefault)**

Class : \_function.php

**Unit Test Case 38 (UTC-38):** cancellink($srefer,$sdefault)

**Description**

Test cancellink method that checks the method can cancel.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | “cancel” | show cancel action | the data has been clear |
| 2 | Test adding another correct element resource | - | - | - |
| 3 | Test adding incorrect element resource | null or others | not cancel | the data has not been clear |

**UTC 39- ShowPictureFixSize($sType,$sSub,$IDAndJoiner,$sPic,$nWidth,$nHeight)**

Class : \_function.php

**Unit Test Case 39 (UTC-39):** ShowPictureFixSize($sType,$sSub,$IDAndJoiner,$sPic,$nWidth,$nHeight)

**Description**

Test ShowPictureFixSize method that can fix the picture size to displays.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | height = 100  width = 200 | picture that fix into display’s size | the picture show that size |
| 2 | Test adding another correct element resource | height = 300  width = 150 | picture that fix into display’s size | the picture show that size |
| 3 | Test adding incorrect element resource | height = ^%&^  width = \*&(\*( | wrong input element of picture size | the picture not show |
| 4 | Test by not adding element resource | null | displays “No picture” | the picture not show |

**UTC 40- ColorBackground($sColor,$sChoice1,$sChoice2)**

Class : \_function.php

**Unit Test Case 40 (UTC-40):** ColorBackground($sColor,$sChoice1,$sChoice2)

**Description**

Test ColorBackground method that displays the background color.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | “choice1” | choose one picture in choice1 | the color1 has been displays |
| 2 | Test adding another correct element resource | “choice2” | choose one picture in choice2 | the color2 has been displays |
| 3 | Test adding incorrect element resource | null select | not select any choice | not display any background color |

**UTC 41- Chk\_Order($strField)**

Class : \_function.php

**Unit Test Case 41 (UTC-41):** Chk\_Order($strField)

**Description**

Test Chk\_Order method that checks the stable of order.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | Chk\_Order= “pass\_id984523” | check order with passenger ‘s stable id. | the data has been show stable status |
| 2 | Test adding another correct element resource | Chk\_order= “pass\_id140601043534” | check order with passenger ‘s stable id. | the data has been show stable status |
| 3 | Test adding incorrect element resource | null | not show pass\_id in stable status | the data has not been show stable status |

**UTC 42- Show\_Order($strField)**

Class : \_function.php

**Unit Test Case 42 (UTC-42):** Show\_Order($strField)

**Description**

Test Show\_Order method that displays the order.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | Show\_Order= “pass\_id984523” | display pass\_id | the data has been display on screen |
| 2 | Test adding another correct element resource | Show\_Orfer= “pass\_id140601043534” | display pass\_id | the data has been display on screen |
| 3 | Test adding incorrect element resource | null | not display passenger’s order | the data has not been display on screen |

**UTC 43- convert\_deDateThai($Date)**

Class : \_function.php

**Unit Test Case 43 (UTC-43):** convert\_deDateThai($Date)

**Description**

Test convert\_deDateThai that date can convert in to thai version.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | d = 10  m = January  y = 2014 | d = day  m = month  y = year+543  \*y+543 is thai’s date | the data has been display “ 2557-01-10” |
| 2 | Test adding another correct element resource | d = 23  m = May  y = 2014 | d = day  m = month  y = year+543  \*y+543 is thai’s date | the data has been display “ 2557-04-23” |
| 3 | Test adding incorrect element resource | d = \*($%$%  m = %$^\*\*  y = (\*)(\*%^ | d = day  m = month  y = year+543  \*y+543 is thai’s date | the data has not been displays. |

**UTC44- $request\_status =Get\_Value("request\_status","trequest"," where pass\_id='".$\_SESSION['pass\_id']."' and driver\_id='".$\_SESSION['driver\_id']."' ")**

Class : chatmsg.php

**Unit Test Case 44 (UTC-44):** $request\_status =Get\_Value("request\_status","trequest"," where pass\_id='".$\_SESSION['pass\_id']."' and driver\_id='".$\_SESSION['driver\_id']."' ")

**Description**

Test method that checks value can update information.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | if($request\_status=="1") echo "Waiting for response from driver..." | input status number 1, return echo | the request status displays “1” on database |
| 2 | Test adding another correct element resource | if($request\_status=="2") echo "Accept by driver " | input status number 2, return echo | the request status displays “2” on database |
| 3 | Test adding another correct element resource | if($request\_status=="3") echo "Reject by driver " | input status number 3, return echo | the request status displays “3” on database |
| 4 | Test adding incorrect element resource | null | not input status number 1,2 or 3 | the request status not displays on database |

**UTC 45- isset($\_POST['pass\_id']) && $\_POST['pass\_id']!=""**

Class : chatstatussave.php

**Unit Test Case 45 (UTC-45):** isset($\_POST['pass\_id']) && $\_POST['pass\_id']!=""

**Description**

Test method that get insert request status from Passenger.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id = 140725123701  driver\_id = 140728011914  request\_status=3  request\_date=11:june:2014 | from trequest, the element is display status of passenger | the data has been update status of passenger in database |
| 2 | Test adding another correct element resource | pass\_id = 140616013549  driver\_id = 140616012707  request\_status=1  request\_date=6:july:2014 | from trequest, the element is display status of passenger | the data has been update status of passenger in database |
| 3 | Test adding incorrect element resource | pass\_id = uiy&^\*%  driver\_id = ^%\*^$&xxx  request\_status=1  request\_date=9:july:2014 | from trequest, the element wrong on id | the data has been not update status of passenger in database |

**UTC 46- isset($\_POST['driver\_lat']) && $\_POST['driver\_lat']!=""**

Class : driverlocatesave.php

**Unit Test Case 46 (UTC-46):** isset($\_POST['driver\_lat']) && $\_POST['driver\_lat']!=""

**Description**

Test method that driver can get latitude.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_lat= 23.94827394302  driver\_lng= 12.9479034345 | check driver latitude | the latitude has been update into database |
| 2 | Test adding another correct element resource | driver\_lat= 18.67886  driver\_lng= 98.9276879 | check driver latitude | the latitude has been update into database |
| 3 | Test adding incorrect element resource | null | not have driver latitude | the latitude has not been update into database |

**UTC 47- isset($\_POST['driver\_lng']) && $\_POST['driver\_lng']!=""**

Class : driverlocatesave.php

**Unit Test Case 47 (UTC-47):** isset($\_POST['driver\_lng']) && $\_POST['driver\_lng']!=""

**Description**

Test method that driver can get longitude.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_lat= 23.94827394302  driver\_lng= 12.9479034345 | check driver longitude | the longitude has been update into database |
| 2 | Test adding another correct element resource | driver\_lat= 18.67886  driver\_lng= 98.9276879 | check driver longitude | the longitude has been update into database |
| 3 | Test adding incorrect element resource | null | not have driver longitude | the longitude has not been update into database |

**UTC 48- getData\_Form()**

Class : driverregedt.php

**Unit Test Case 48 (UTC-48):** getData\_Form()

**Description**

Test getData\_Form method that can display form and process.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_name=Rose  driver\_idcard= 5555555  driver\_mobile= 9999000  driver\_password= 1234 | Driver register into the database | the data form has been displays. |
| 2 | Test adding another correct element resource | driver\_name=kiki  driver\_idcard=0123  driver\_mobile=111  driver\_password= 111 | Driver register into the database | the data form has been displays. |
| 3 | Test adding incorrect element resource | driver\_name=xxxx  driver\_idcard=\*&\*&^  driver\_mobile= 090909090  driver\_password= 123456789 | Driver register into the database with wrong adding text | the data form has not been displays. |
| 4 | Test adding blank element resource | driver\_name=null  driver\_idcard=null  driver\_mobile=null  driver\_password= null | Driver cannot register into the database | the data form has not been displays. |

**UTC 49- Update\_Data($sUpdateMode)**

Class : driverregedt.php

**Unit Test Case 49 (UTC-49):** Update\_Data($sUpdateMode)

**Description**

Test Update\_Date method that add new driver information.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $sUpdateMode =“add” | update driver information into database by “add” | the data has been updates correctly into the database |
| 2 | Test adding another correct element resource | - | - | - |
| 3 | Test adding incorrect element resource | null | not updates | the data has not been updates correctly into the database |

**UTC 50- isset($\_POST['send\_msg']) && $\_POST['send\_msg']!=""**

Class : driversendmsg.php

**Unit Test Case 50 (UTC-50):** && isset($\_POST['send\_msg']) && $\_POST['send\_msg']!=""

**Description**

Test method that passenger can get message from driver.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id=123456789456  driver\_id=140522030100  send\_from=Ta Pae Gate  send\_msg= “xxx”  send\_date=8:October:2014 | get Driver’s request from Ta Pae gate | passenger get the message “xxx” |
| 2 | Test adding another correct element resource | pass\_id=123456789456  driver\_id=140522030100  send\_from=Chiang Mai University  send\_msg= “tttt”  send\_date=6:November:2014 | get Driver’s request from Chiang Mai University | passenger get the message “tttt” |
| 3 | Test adding incorrect element resource | null | not show the message | passenger cannot get the message |

**UTC 51- isset($\_POST['avialable\_seat']) &&$\_POST['avialable\_seat']!=""**

Class : driverupdate\_destseat.php

**Unit Test Case 51 (UTC-51):** isset($\_POST['avialable\_seat']) && $\_POST['avialable\_seat']!=""

**Description**

Test method that driver can update available seat.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_status = “start”  avialable\_seat=12  last\_destination= Ta Pae Gate | driver updates seat that available | the data has been updates into database |
| 2 | Test adding another correct element resource | driver\_status = “start”  avialable\_seat=6  last\_destination= Chiang Mai University | driver updates seat that available | the data has been updates into database |
| 3 | Test adding incorrect element resource | driver\_status = “start”  avialable\_seat= 0  last\_destination=null | driver not update seat | the data has not been updates into database |

**UTC 52- isset($\_POST['last\_destination']) && $\_POST['last\_destination']!=""**

Class : driverupdate\_destseat.php

**Unit Test Case 52 (UTC-52):** isset($\_POST['last\_destination']) && $\_POST['last\_destination']!=""

**Description**

Test method that driver can update destination.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_status = “start”  avialable\_seat=12  last\_destination= Nimman | driver updates destination  \*destination is combo list | the data has been updates into database |
| 2 | Test adding another correct element resource | driver\_status = “start”  avialable\_seat=6  last\_destination= Chiang Mai University | driver updates destination  \*destination is combo list | t the data has been updates into database |
| 3 | Test adding incorrect element resource | driver\_status = “start”  avialable\_seat= 0  last\_destination=null | driver not update destination  \*destination is combo list | the data has not been updates into database |

**UTC 53- $start\_lat = Get\_Value("pass\_lat","tpassenger\_position","where pass\_id='$\_REQUEST[pass\_id]' ");**

Class : getdriverdest.php

**Unit Test Case 53 (UTC-53):**

$start\_lat = Get\_Value("pass\_lat","tpassenger\_position","where pass\_id='$\_REQUEST[pass\_id]' ");

**Description**

Test method that system get passenger destination (latitude).

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $start\_lat=18.89323435 | get passenger latitude | the latitude has been display on database |
| 2 | Test adding another correct element resource | $start\_lat=87.093245678 | get passenger latitude | the latitude has been display on database |
| 3 | Test adding incorrect element resource | $start\_lat=\*(&^%^&% | get wrong passenger latitude | the latitude has not been display on database |
| 4 | Test adding blank element resource | $start\_lat=null | not show passenger latitude | the latitude has not been display on database |

**UTC 54- $start\_lng= Get\_Value("pass\_lng","tpassenger\_position","where pass\_id='$\_REQUEST[pass\_id]' ");**

Class : getdriverdest.php

**Unit Test Case 54 (UTC-54):**

$start\_lng= Get\_Value("pass\_lng","tpassenger\_position","where pass\_id='$\_REQUEST[pass\_id]' ");

**Description**

Test method that system get passenger destination (longitude).

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $start\_lng=24.46546553 | get passenger longitude | the longitude has been display on database |
| 2 | Test adding another correct element resource | $start\_lng=27.489346643 | get passenger longitude | the longitude has been display on database |
| 3 | Test adding incorrect element resource | $start\_lng=^%&\*&\*(% | get wrong passenger longitude | the longitude has not been display on database |
| 4 | Test adding blank element resource | $start\_lng=null | not show passenger longitude | the longitude has not been display on database |

**UTC 55- $sqlnear ="select CONCAT(nearby1,CONCAT(',',nearby2)) as nearby from tdestinations where destinationid='$\_REQUEST[destinationid]' ";**

Class : getdrivernearbydest.php

**Unit Test Case 55 (UTC-55):** $sqlnear ="select CONCAT(nearby1,CONCAT(',',nearby2)) as nearby from tdestinations where destinationid='$\_REQUEST[destinationid]' ";

**Description**

Test method that system can display nearest destination if Passenger don’t want the destination on list.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $driver\_date=12:june:2014  $pass\_id=140602012236  $start\_lat=18.789553333333334  $start\_lng=98.96634666666665 | near by  $start\_lat=18.78956563  $start\_lng=97.96565434  and can select location that “nearby” | the destination show nearby list |
| 2 | Test adding another correct element resource | $driver\_date=16:july:2014  $pass\_id=140602012236  $start\_lat=18.89340323445434  $start\_lng=97.234356778678 | near by  $start\_lat=18.78956563  $start\_lng=97.96565434  and can select location that “nearby” | the destination show nearby list |
| 3 | Test adding incorrect element resource | $driver\_date=5:May:2014  $pass\_id=140602012236  $start\_lat=78.093023434  $start\_lng=14.908453456 | near by  $start\_lat=18.78956563  $start\_lng=97.96565434  cannot select nearby destination because it’s much far and not in nearby lists | the destination not show nearby list |

**UTC 56- sql="select \* from tdriver where driver\_mobile='$\_POST[driver\_mobile]' and driver\_password ='$\_POST[driver\_password]**'

Class : getlogin.php

**Unit Test Case 56 (UTC-56):** $sql="select \* from tdriver where driver\_mobile='$\_POST[driver\_mobile]' and driver\_password ='$\_POST[driver\_password]' ";

**Description**

Test method that driver can login to system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | driver\_mobile= 9999000  driver\_password=1234 | by mysql, driver login to database | the data can query to the database |
| 2 | Test adding another correct element resource | driver\_mobile=77  driver\_password=11 | by mysql, driver login to database | the data can query to the database |
| 3 | Test adding incorrect element resource | driver\_mobile=\*&(\*&)  driver\_password=()(\*(&^ | the elements are not in database | the data cannot query to the database |

**UTC 57- $sql="select \* from tpassenger where pass\_mobile='$\_POST[pass\_mobile]' and pass\_password ='$\_POST[pass\_password]' ";**

Class : getlogin\_pass.php

**Unit Test Case 57 (UTC-57):** $sql="select \* from tpassenger where pass\_mobile='$\_POST[pass\_mobile]' and pass\_password ='$\_POST[pass\_password]' ";

**Description**

Test method that passenger can login to the system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | Passenger\_mobile= 0859796651  Passenger\_password=1234 | by mysql, passenger login to database | the data can query to the database |
| 2 | Test adding another correct element resource | Passenger\_mobile= 55  Passenger\_password=66 | by mysql, passenger login to database | the data can query to the database |
| 3 | Test adding incorrect element resource | Passenger\_mobile= &^\*&%  Passenger\_password=&^\*&% | the elements are not in database | the data cannot query to the database |

**UTC 58- isset($\_POST['pass\_lat']) && $\_POST['pass\_lat']!=""**

Class : passlocatsave.php

**Unit Test Case 58 (UTC-58):** isset($\_POST['pass\_lat']) && $\_POST['pass\_lat']!=""

**Description**

Test method that set passenger latitude.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id= 123456789456  pass\_lat= 39.9845823223434 | get latitude from passenger | the latitude has been updates into database |
| 2 | Test adding another correct element resource | pass\_id= 140602012236  pass\_lat= 18.6807561 | get latitude from passenger | the latitude has been updates into database |
| 3 | Test adding incorrect element resource | pass\_id= \*&(&\*(%  pass\_lat= 87.02342334 | wrong passenger id and cannot get latitude | the latitude has not been updates into database |

**UTC 59- isset($\_POST['pass\_lng']) && $\_POST['pass\_lng']!=""**

Class : passlocatsave.php

**Unit Test Case 59 (UTC-59):** isset($\_POST['pass\_lng']) && $\_POST['pass\_lng']!=""

**Description**

Test method that set passenger longitude.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id= 123456789456  pass\_lng= 99.1243434664345 | get latitude and longitude from passenger | the longitude has been update into database |
| 2 | Test adding another correct element resource | pass\_id= 140602012236  pass\_lng= 98.9276879 | get latitude and longitude from passenger | the longitude has been update into database |
| 3 | Test adding incorrect element resource | pass\_name= \*&(&\*(%  pass\_lng= 34.0897923 | wrong passenger name and cannot get latitude and longitude | the longitude has not been update into database |

**UTC 60- getData\_Form()**

Class : passregedt.php

**Unit Test Case 60 (UTC-60):** getData\_Form()

**Description**

Test getData\_Form method that can display form and process.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $pass\_id=140602012236  $pass\_name=brooke  $pass\_idcard=1555  $pass\_mobile=888  $pass\_password=999 | passenger register into the database | the data form has been displays. |
| 2 | Test adding another correct element resource resource | $pass\_id=140616013549  $pass\_name=nornae  $pass\_idcard=55  $pass\_mobile=55  $pass\_password=66 | passenger register into the database | the data form has been displays. |
| 3 | Test adding incorrect element resource | $pass\_id=\*&(\*^&\*  $pass\_name=^&%^%  $pass\_idcard=^&\*^$  $pass\_mobile=gggg  $pass\_password=ffff | passenger put wrong data and cannot register into the database | the data form has not been displays. |
| 4 | Test adding blank element resource | $pass\_id=null  $pass\_name=null  $pass\_idcard=null  $pass\_mobile=null  $pass\_password=null | cannot register into the database | the data form has not been displays. |

**UTC 61- Update\_Data($sUpdateMode)**

Class : passregedt.php

**Unit Test Case 61 (UTC-61):** Update\_Data($sUpdateMode)

**Description**

Test Update\_Date method that updates passenger information.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $sUpdateMode =“add” | update passenger information into database by “add” | The data has been updated correctly in the database |
| 2 | Test adding another correct element resource | - | - | - |
| 3 | Test adding incorrect element resource | null | not updates | The data has not been updated correctly in the database |

**UTC 62- isset($\_POST['send\_msg']) && $\_POST['send\_msg']!="")**

Class : passsendmsg.php

**Unit Test Case 62 (UTC-62):** isset($\_POST['send\_msg']) && $\_POST['send\_msg']!="")

**Description**

Test method that driver can get message from passenger.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | pass\_id=984723  driver\_id=2302323  send\_from=Chiang Mai University  send\_msg= “aaa”  send\_date=9:march:2014 | get Passenger’s request from Chiang Mai University | driver get the message “aaa” |
| 2 | Test adding another correct element resource | pass\_id=984723  driver\_id=2302323  send\_from=Ta Pae Gate  send\_msg= “yyyy”  send\_date= 3:june:2014 | get Passenger’s request from Ta Pae Gate | driver get the message “yyyy” |
| 3 | Test adding incorrect element resource | null | not show the message | driver cannot get the message |

**UTC 63- isset($\_POST['pass\_seat']) && $\_POST['pass\_seat']!=""**

Class : passupdate\_destseat.php

**Unit Test Case 63 (UTC-63):** isset($\_POST['pass\_seat']) && $\_POST['pass\_seat']!=""

**Description**

Test method that passenger can update seat and destination.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | passenger\_status = “start”  avialable\_seat=7  last\_destination= Ta Pae Gate | passenger updates seat | the seat has been updates into database |
| 2 | Test adding another correct element resource | passenger\_status = “start”  avialable\_seat=9  last\_destination= Chiang Mai University | passenger updates seat | the seat has been updates into database |
| 3 | Test adding incorrect element resource | passenger\_status = “start”  avialable\_seat= 0  last\_destination=null | passenger not update seat and | the seat has not been updates into database |

**UTC 64- isset($\_POST['pass\_dest']) && $\_POST['pass\_dest']!="")**

Class : passupdate\_destseat.php

**Unit Test Case 64 (UTC-64):** isset($\_POST['pass\_dest']) && $\_POST['pass\_dest']!=""**)**

**Description**

Test method that passenger can update seat and destination.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | passenger\_status = “start”  avialable\_seat=7  last\_destination= Ta Pae Gate | passenger updates destination  \*destination is combo list | the data has been updates into database |
| 2 | Test adding another correct element resource | passenger\_status = “start”  avialable\_seat=9  last\_destination= Chiang Mai University | passenger updates destination  \*destination is combo list | the data has been updates into database |
| 3 | Test adding incorrect element resource | passenger\_status = “start”  avialable\_seat= 0  last\_destination=null | driver not update destination  \*destination is combo list | the data has not been updates into database |

**UTC 65- Update\_Data($sUpdateMode)**

Class : registeredt.php

**Unit Test Case 65 (UTC-65):** Update\_Data($sUpdateMode)

**Description**

Test that user can register to database.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $sUpdateMode =“add” | update user information into database by “add” | the data has been updates correctly into database |
| 2 | Test adding another correct element resource | - | - | - |
| 3 | Test adding incorrect element resource | null | not updates | the data has been updates correctly into database - |

**UTC 66- $res=mysql\_query($sql);if($row=mysql\_fetch\_assoc($res)){$picture=$row[picture]; $information=$row[information];}**

Class : showdestinationdsc

**Unit Test Case 66 (UTC-66):** $res=mysql\_query($sql);if($row=mysql\_fetch\_assoc($res)){$picture=$row[picture]; $information=$row[information];}

**Description**

Test that system query information in row.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test case**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test case ID** | **Description** | **Input** | **Remark** | **Expected Results** |
| 1 | Test adding correct element resource | $destinationid= Chiang Mai international Airport  $picture = “chiangmaiairport.jpg”  $information = “ chiang mai international airport is the first…” | display picture and information of destination | the data has been updates into database |
| 2 | Test adding another correct element resource | $destinationid= Ta Pae gate  $picture = “1309799402.jpg”  $information = “Ta Pae gate is the south gate…” | display picture and information of destination | the data has been updates into database |
| 3 | Test adding incorrect element resource | null | not display picture and information in row. | the data has not been updates into database |

**System Test Case**

**System Test Case 1(STC-01): Passenger can register to the system.**

**Description** This Test case can check that Passenger can register to system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Passenger can open an application.

2.Passenger fills information for register information.

3.Passenger clicks confirm button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data valid in database | Use Test input no.3 | User is redirected to the main page |
| 2 | Test that data invalid to database | pass\_id=&^(\*&$  pass\_name=\*(&\*%  pass\_idcard=\*(&\*%  pass\_mobile=$&^\*$  pass\_password=\*&(\*&  pass\_photo=\*&(\*%  pass\_regdate=%$%#^ | display error message that wrong data |
| 3 | Test that blank data | pass\_mobile=null  pass\_password=null | display error message that user must input data |

**System Test Case 2(STC-02): Passenger can log in to the system.**

**Description** This Test case is for check that Passenger can log in to the system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Passenger fills mobile and password.

2.Passenger clicks confirm button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data is valid in database | pass\_mobile=0859796651  pass\_password=1234 | User is redirected to the main page |
| 2 | Test that data nvalid in database | pass\_mobile=%$&(  pass\_password=\*&^ | display error message that wrong data |
| 3 | Test that blank data | pass\_mobile=null  pass\_password=null | display error message that user must input data |

**System Test Case 3(STC-03): Passenger can log out from the system.**

**Description** This Test case for check that Passenger can log out from the system after log in to the system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Passenger clicks log out button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that passenger can log out by click log out button | log out or exit | Redirect to log in page. |

**System Test Case 4(STC-04): Passenger can search for the red taxi.**

**Description** This test case is for check matching condition between User and system by number of seats and destination.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Passenger input seat and select list of destination.

2.Passenger confirm to search for red taxi.

3.Passenger can get list of red taxi.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that valid input data | seat=3  destination=CMU | display the list of red taxi |
| 2 | Test that invalid input data | seat= (\*(\*%  destination=CMU | display error message with input wrong data |
| 3 | Test that blank input data | seat= null  destination=null | display error message that user must input data |

**System Test Case 5(STC-05): Passengers can send a request for taxi.**

**Description**  This test case is for check the Passenger send request to Driver.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Passenger selects red taxi from the list.

2.Passenger send request for red taxi

3.Passenger confirm list.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that valid input data | Use Test input no.5 and no.6 | display passenger information on driver |
| 2 | Test that invalid input data | pass\_lat=45.83284334  pass\_lng=3985230503  pass\_date=2014-05-01  pass\_status =0  pass\_seat=0  driver\_id=\*(&&()\*(%^&  send\_date=2014-05-01  send\_from=CMU  send\_msg= “LLL” | cannot display passenger information on driver |

**System Test Case 6(STC-06): Passenger can chat with driver.**

**Description** The test case is check for Passenger can chat with driver

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Passenger selects list of red taxi.

2.Passenger click send message to driver

3.Passenger confirms send message.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that passenger can send message | send\_msg= “LLL” | driver get message “LLL” |

**System Test Case 7(STC-07): Driver can register to the system.**

**Description** This Test case can check that driver can register to system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Driver opens an application.

2.Driver fills information for register information.

3.Driver clicks confirm button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data valid in database | Use Test input no.2 | User is redirected to the main page |
| 2 | Test that data invalid data in database | driver\_id=&^\*&(  driver\_name=%^#()\*(  driver\_idcard=^%&^%  driver\_mobile=&^%(\*  driver\_password=&^\*  driver\_photo=^&\*\*)  driver\_regdate=&^\*) | display error message that input wrong data |
| 3 | Test that blank data in database | driver\_id=null  driver\_name=null  driver\_idcard=null  driver\_mobile=null  driver\_password=null  driver\_photo=null  driver\_regdate=null | display error message that user must input data |

**System Test Case 8(STC-08) : Driver can log in to the system.**

**Description** This Test case is for check that driver can log in to the system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Driver fills mobile and password.

2.Driver clicks confirm button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data is valid in database | driver\_mobile=222  driver\_password=222 | User is redirected to the main page |
| 2 | Test that data invalid in database | driver\_mobile=&^&\*)  driver\_password=\*()\_)( | display error message that input wrong data |
| 3 | Test that blank data in database | driver\_mobile=null  driver\_password=null | display error message that user must input data |

**System Test Case 09(STC-09): Drivers can log out from the system.**

**Description** This Test case for check that drivers can log out from the system after log in to the system.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Driver clicks log out button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that driver can log out by click log out button | log out or exit | Redirect to log in page. |

**System Test Case 10(STC-10): Drivers can update driving information.**

**Description**  This Test case for check that driver can update the driving information.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Drivers log in.

2.Driver clicks update information.

3.Driver clicks confirm.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that input valid data | Use Test input no.4 | display driving information |
| 2 | Test that input invalid data | driver\_lat=&^\*&  driver\_lng=(&\*(  driver\_date=&^\*\*  driver\_status= %$^%  available\_seat=^%\*^\*  last\_destination=^&^$ | redirect back to input form |
| 3 | Test that input blank data | driver\_lat=null  driver\_lng=null  driver\_date=null  driver\_status= null  available\_seat=null  last\_destination=null | redirect back to input form |

**System Test Case 11(STC-11): Drivers respond to Passenger’s request.**

**Description** This Test case is check that the drivers can respond the passenger request.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Driver selects Passenger’s request message.

2.Driver respond Passenger’s request message by confirm request.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that valid input data | select “pass\_id: 140728011914” | show accepted request on passenger |
| 2 | Test that invalid input data | null select | Redirect to passenger by automated reject. |

**System Test Case 12(STC-12): Driver can chat with passenger.**

**Description** This Test case is check that the drivers can chat with passenger.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Driver selects Passenger’s message.

2.Driver clicks send message to passenger.

3.Driver confirms send message.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that driver can send message | send\_msg= PPP” | Passenger get message “PPP” |

**System Test Case 13(STC-13): Administrator can login to the Administration system.**

**Description** This Test case is check that the administrator can log in.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator open administration system

2.Administrator fills username and password

3.Administrator confirms log in.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data is valid in database | username =admin  password=admin | User is redirected to the main page |
| 2 | Test that data invalid in database | username =&&77  password=$#% | redirect back to log in page |
| 3 | Test that blank data in database | username =null  password=null | redirect back to log in page |

**System Test Case 14(STC-14): Administrator can log out.**

**Description** This Test case is check that the administrator can log out.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator clicks log out button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that administrator can log out by click log out button | log out or exit | Redirect to log in page. |

**System Test Case 15(STC-15): Administrator can add destinations.**

**Description** This Test case is check that the Administrator can add destinations.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator log in to the system.

2.Admimistrator add destination.

3.Admistrator confirms add destination by clicks submit button.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data is valid in database | Destination=Doi Su Thep  Picture= “doisuthep.jpg”  Nearby1=Chiang Mai zoo  Nearby2=CMU  Information= “AAA”  lat=68.09434  lng=55.93366 | User is redirected to the main page |
| 2 | Test that data invalid in database | Destination=&\*&%  Picture=^%&)  Nearby1=&^\*  Nearby2=%$^&  Information=\*(&  lat=68.09434  lng=55.93366 | redirect back to log in page |
| 3 | Test that blank data in database | Destination=null  Picture=null  Nearby1=null  Nearby2=null  Information=null  lat=null  lng=null | redirect back to log in page |

**System Test Case 16(STC-16): Administrator can browse the destination.**

**Description** This Test case is check that the Administrator can browse the destination

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator log in to the system.

2.Admimistrator browse menu of destination.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that can select destination at browse menu | select “Destinations” | Redirect to destination page |
| 2 | Test that can select clear at browse menu | select “ Clear data” | Redirect to database page |

**System Test Case 17(STC-17): Administrator can edit destinations.**

**Description** This Test case is check that the Administrator can edit destinations.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator log in to the system.

2.Admimistrator edit destination.

3.Admistrator confirms edit destination.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data is valid in database | Destination=Doi Su Thep  Picture= “doisuthep2.jpg”  Nearby1=Nimman  Nearby2=CMU  Information= “AAAbbbnnn”  lat=68.09434666677  lng=55.9336688888 | User is redirected to the main page |
| 2 | Test that data invalid in database | Destination=&\*&%  Picture=^%&)  Nearby1=&^\*  Nearby2=%$^&  Information=\*(&  lat=68.09434  lng=55.93366 | redirect back to log in page |
| 3 | Test that blank data in database | Destination=null  Picture=null  Nearby1=null  Nearby2=null  Information=null  lat=null  lng=null | redirect back to log in page |

**System Test Case 18(STC-18): Administrator can delete destinations.**

**Description** This Test case is check that the Administrator can delete destinations.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator log in to the system.

2.Admimistrator delete destination.

3.Admistrator confirms edit destination.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data can deleted from database | select “Ping River” | Redirect to main destination page |

**System Test Case 19(STC-19): Administrator can search destinations.**

**Description** This Test case is check that the Administrator can search destinations.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator log in to the system.

2.Admimistrator search destination.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that data is valid in database | key=Nimman  from=Destinaion | display “Nimman” |
| 2 | Test that another data is valid in database | key=Nimman  from=nearby1 | display “not found” |
| 3 | Test that data invalid in database | key=\*(&)(  from=nearby2 | Redirect back to main page |
| 4 | Test that blank data in database | key=null  from=null | Redirect back to main page |

**System Test Case 20(STC-20): Administrator can clear data.**

**Description** This Test case is check that the Administrator can clear data.

**Prerequisites or Test input**

The test data is available in Appendix A.

**Test Data**

The test data is available in Appendix B.

**Test script:**

1.Administrator log in to the system.

2.Admimistrator clear data of database.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test case No.** | **Description** | **Input** | **Expected Result** |
| 1 | Test that database table can be clear by deleted | select “trequest\_msg” | Redirect to main database page |

**Appendix A. Test Input**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Input** | **Examples** | **Notes** |
| 1 | localhost  theredta\_usr  theredta\_pwd | theredtaxi  mel  321 | -length: 1-20 characters  -type : alphabet or number |
| 2 | driver\_id  driver\_name  driver\_idcard  driver\_mobile  driver\_password  driver\_photo  driver\_regdate | 140522034348  jay  1213  222  222  null  2014-05-22 15:43:48 | -length: 1-20 characters  -type : alphabet or number or date |
| 3 | pass\_id  pass\_name  pass\_idcard  pass\_mobile  pass\_password  pass\_photo  pass\_regdate | 140602012236  brooke  1555  888  999  null  2014-06-02 01:22:36 | -length: 1-20 characters  -type : alphabet or number or date |
| 4 | driver\_lat  driver\_lng  driver\_date  driver\_status  available\_seat  last\_destination | 23.94827394302  12.9479034345  2014-05-23 03:31:06  1  4  wat pra sing | -length: 1-20 characters  -type : alphabet or number or date  -status : 1= available, 0= not available |
| 5 | pass\_lat  pass\_lng  pass\_date  pass\_status  pass\_seat  driver\_id | 18.789553333333334  98.96634666666665  2014-07-28 15:24:49  1  5  null | -length: 1-20 characters  -type : alphabet or number or date  -status : 1= available, 0= not available |
| 6 | send\_date  send\_from  send\_msg | 2014-07-28 21:12:00  140728011812  >< | -length: 1-40 characters  -type : alphabet or number or date |

**Appendix B. Database**

**Passenger Information - tpassenger**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **pass\_id** | **pass\_name** | **pass\_idcard** | **pass\_mobile** | **pass\_password** | **pass\_photo** | **pass\_regdate** |
| 1527434 | balii saa | 12009493 | null | 874734 | null | 0000-00-00 00:00:00 |
| 123456789456 | Dan Klin | 3609900496665 | 0859796651 | 1234 | null | 2014-05-30 00:00:00 |
| 140602012236 | brooke | 1555 | 888 | 999 | null | 2014-06-02 01:22:36 |
| 140616013549 | nornae | 55 | 55 | 66 | null | 2014-06-16 01:35:49 |

**Passenger Information – tpassenger\_position**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **pass\_ id** | **pass\_ name** | **pass\_ lat** | **pass\_ lng** | **pass\_ date** | **pass\_ seat** | **pass\_ dest** | **pass\_ status** | **driver\_ id** |
| 984723 | Adam lav | 39.9845823223434 | 99.1243434664345 | 2014-05-23 03:31:06 | 4 | wat pra sing | null | null |
| 140602012236 | brooke | 18.789553333333334 | 98.96634666666665 | 2014-07-28 15:24:49 | 5 | 140609032237 | 1 | null |
| 140616013549 | nornae | 18.67886 | 98.921585 | 2014-07-03 01:22:26 | 5 | 140609032237 | 1 | null |

**Driver Information - tdriver**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **driver\_id** | **driver\_name** | **driver\_idcard** | **driver\_mobile** | **driver\_password** | **driver\_photo** | **drivrt\_regdate** |
| 140529051946 | kiki | 0123 | 111 | 111 | null | 2014-05-29 05:19:46 |
| 140602035531 | park | 123 | 77 | 11 | null | 2014-06-02 15:55:31 |
| 140616012707 | mel | 123 | 123 | 321 | null | 2014-06-16 01:27:07 |
| 140522030100 | Rose | 5555555 | 9999000 | 1234 | null | 2014-05-22 15:01:00 |
| 140522034348 | jay | 1213 | 222 | 222 | null | 2014-05-22 15:43:48 |

**Driver Information – tdriver\_position**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **driver\_id** | **driver\_name** | **driver\_lat** | **driver\_lng** | **driver\_date** | **driver\_status** | **aviable\_seat** | **last\_destination** |
| 2302323 | lalisa | 23.94827394302 | 12.9479034345 | 2014-05-03 07:06:45 | 1 | 4 | wat pra sing |
| 140602035531 | park | 18.67886 | 98.921585 | 2014-06-09 15:56:27 | 1 | 10 | 140609032237 |
| 140529051946 | kiki | 18.797573 | 98.966533 | 2014-07-28 22:15:02 | 1 | 11 | 140609031901 |
| 140616012707 | mel | 18.8071766666665 | 98.956395 | 2014-07-28 17:34:11 | 1 | 10 | 140609032237 |

**Destination - tdestination**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **destinationid** | **destinationtitle** | **nearby1** | **nearby2** | **latitude** | **longitude** | **Information** | **picture** |
| 140510043030 | Thaphae Gate | 140519040517 | 140519050320 | 8.78801743704621 | 98.9937686920166 | ประตูท่าแพสถานบันเทิง สำหรับชาวต่างชาติ | 1309799402.jpg |
| 140609032237 | Chiang Mai International Airport | 140510052640 | 140609031954 | 18.767925361556415 | 98.96840095521543 | Chiang Mai is a major gateway to Northern Thailand | chiangmaiairport.jpg |
| 140519040517 | Ping River | 140510052640 | 140519050320 | 18.791145815560682 | 99.00191783906553 | Go to Ping River | Ping\_river-1.JPG |

**Menu -tmenu**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **smenu id** | **smenu name** | **sorder by** | **smenu link** | **csec\_ dsc** | **nsec\_ dsc** | **csec\_ edt** | **nsec\_ edt** | **csec\_ del** | **nsec\_ del** | **cuse** |
| 01 | Destinations | 01 | placelst.php | 1 | 1 | 1 | 2 | 1 | 3 | 1 |
| 02 | Clear Data | 02 | cleardatalst.php | 1 | 4 | 0 | 5 | 1 | 6 | 1 |

**Request – trequest**

|  |  |  |  |
| --- | --- | --- | --- |
| **driver\_id** | **passenger\_id** | **request\_date** | **request\_status** |
| 140725123701 | 140728011914 | 2014-07-28 20:27:07 | 3 |
| 140725123701 | 140602012236 | 2014-07-28 20:34:45 | 3 |
| 140725123701 | 140728011812 | 2014-07-28 20:58:27 | 1 |

**Request – trequest\_msg**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **driver\_id** | **pass\_id** | **send\_date** | **send\_from** | **send\_msg** |
| 140725123701 | 140728022201 | 2014-07-28 21:12:00 | 140728011812 | >< |

**tuser**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **suserid** | **suserfname** | **suserlname** | **smobile** | **semail** | **susername** | **spassword** | **ssec** | **scomment** | **dusedlast** | **cmenulast** |
| 1 | administrator | site admin | 0891636750 | maumiv @hotmail.com | admin | admin | 111101 | comment | 2014-07-28 14:20:16 | 02 |