**Chapter 6**

**Test Record**

**Emergency Information on Mobile**

Test Record

By

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**Document History**

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PJ – Putchakarn Jaikon, SK – Sawatdiporn Kitirot, CD – Chartchai Doungsa-ard

Table of Content

[Chapter One | Introduction 5](#_Toc406063996)

[1.1 Purpose 5](#_Toc406063997)

[1.2 Responsibility 5](#_Toc406063998)

[Chapter Two| Unit Testing Record 6](#_Toc406063999)

[2.1 Mobile Part Unit Testing Record 6](#_Toc406064000)

[2.2 Server Part Unit Testing Record 10](#_Toc406064001)

[Chapter Three| System Testing Record 22](#_Toc406064002)

[3.1 Mobile Part System Testing Record 22](#_Toc406064003)

[3.2 Server Part System Testing Record 35](#_Toc406064004)

# Chapter One | Introduction

## Purpose

The purpose of test record for Emergency Information on Mobile project is for recording the actual result and Pass, Fail, N/A criteria of each test case that have designed in the test plan and executed.

This document will include Unit Testing Record which contains Test date, Person who responsibility of Testing Record and Testing Record Table.

**Test Record** is a document, which recording the actual result of each test case that have designed in the test plan.

## Responsibility

|  |  |
| --- | --- |
| **Item** | **Responsibility** |
| Record unit test and system test of web application (Server Part) | Sawatdiporn |
| Record unit test and system test of mobile application (Mobile Part) | Putchakarn |

# Chapter Two| Unit Testing Record

## 2.1 Mobile Part Unit Testing Record

**2.1.1 Class name for testing**: HelpPlaceServiceImpl

**Unit Test Case Mobile 01 (UTCm-01):** testGetHelpPlaceByJsonOBJ (JSONObject jsonOBJ):JSONArray

**Test date:** 05/07/2014

**Tested by:** Putchakarn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** |  | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Description** | **Size of JSON Array** | **Size of JSON Array** |
| 1 | Test to get JSON array size by input JSON object | 1 | 1 | Pass |

**Unit Test Case Mobile 02 (UTCm-02):** testGetHelpPlaceByJsonOBJ (JSONObject jsonOBJ):JSONArray

**Test date:** 05/07/2014

**Tested by:** Putchakarn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Size of HelpPlace Array** | **Size of HelpPlace Array** |
| 1 | Test get help place array’s size | 5 | 5 | Pass |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | | | | | |
| **HelpPlace object** | | | | | |
| **Id** | **Name** | **Address** | **Phone Number** | **Latitude** | **Longitude** |
| 1 | Test to get help place object from device database | 1 | Maharaj Nakorn Chiang Mai Hospital | 110 Suthep Rd, Mueang Chiang Mai District, Chiang Mai | 053947700 | 18.789602 | 98.974209 |
| 2 | Test to get help place object from device database | 2 | Lanna Hospital | Chang Phuak Amphoe Mueang Chiang Mai, Chang Wat Chiang Mai | 053999758 | 18.812723 | 98.991151 |
| 3 | Test to get help place object from device database | 3 | Muang Chiang Mai Police Station | Si Phum Mueang Chiang Mai District, Chiang Mai | 053276040 | 18.788341 | 98.984755 |
| 4 | Test to get help place object from device database | 4 | Chang Phueak Police Station | Mueang Chiang Mai District, Chiang Mai | 053218443 | 18.818822 | 98.975520 |
| 5 | Test to get help place object from device database | 5 | Kriangkrai Konlakan Garage | 7/2, See Ping Mueang Road, Tambon Chang Khlan, Amphoe Mueang, Chiang Mai | 053244599 | 18.771195 | 98.983062 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Actual Result** | | | | | | **Pass/Fail** |
| **HelpPlace object** | | | | | |
| **Id** | **Name** | **Address** | **Phone Number** | **Latitude** | **Longitude** |
| 1 | 1 | Maharaj Nakorn Chiang Mai Hospital | 110 Suthep Rd, Mueang Chiang Mai District, Chiang Mai | 053947700 | 18.789602 | 98.974209 | Pass |
| 2 | 2 | Lanna Hospital | Chang Phuak Amphoe Mueang Chiang Mai, Chang Wat Chiang Mai | 053999758 | 18.812723 | 98.991151 | Pass |
| 3 | 3 | Muang Chiang Mai Police Station | Si Phum Mueang Chiang Mai District, Chiang Mai | 053276040 | 18.788341 | 98.984755 | Pass |
| 4 | 4 | Chang Phueak Police Station | Mueang Chiang Mai District, Chiang Mai | 053218443 | 18.818822 | 98.975520 | Pass |
| 5 | 5 | Kriangkrai Konlakan Garage | 7/2, See Ping Mueang Road, Tambon Chang Khlan, Amphoe Mueang, Chiang Mai | 053244599 | 18.771195 | 98.983062 | Pass |

**Unit Test Case Mobile 03 (UTCm-03):** insertHelpPlace(ArrayList <HelpPlace> helpPlace): int

**Test date:** 20/10/2014

**Tested by:** Putchakarn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** |  | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Description** | **List of Help Places**  **ID** | **List of Help Places**  **ID** |
| 1 | Test insert array list of help places into database | 1,2,3,4,5 | 1,2,3,4,5 | Pass |
| 2 | Test insert array list of help places are not null | 1,2,3,4,5 | Not null | Pass |

**Unit Test Case Mobile 04 (UTCm-04):** deleteAllHelpPlaces (): boolean

**Test date:** 20/10/2014

**Tested by:** Putchakarn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Boolean** | **Boolean** |
| 1 | Test delete all help places in database | true | true | Pass |

## 2.2 Server Part Unit Testing Record

**Class name for testing**: HelpPlaceServiceImpl

**Unit Test Case Server 01 (UTCs-01):** getHelpPlaces():List<HelpPlace>

**Test date:** 04/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of help place object** | **List of help place object** |
| **ID** | **ID** |
| 1 | Test get all help place in database | 1,2,3,4,5 | 1,2,3,4,5 | Pass |

**Unit Test Case Server 02 (UTCs-02):** findById(Integer id):HelpPlace

**Test date:** 04/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | | | | | | | | |
| **Help place object** | | | | | | | | |
| **Name** | **Address** | **District** | **Province** | **Zip code** | **Phone Number** | **Latitude** | **Longitude** | **Category** |
| 1 | Test find help place by input ID which is in database | Maharaj Nakorn Chiang Mai Hospital | 10 Suthep Rd | Mueang Chiang Mai | Chiang Mai | 50200 | 053111111 | 18.789602 | 98.974209 | Hospital |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Actual Result** | | | | | | | | | **Pass/Fail** |
| **Help place object** | | | | | | | | |
| **Name** | **Address** | **District** | **Province** | **Zip code** | **Phone Number** | **Latitude** | **Longitude** | **Category** |
| 1 | Maharaj Nakorn Chiang Mai Hospital | 10 Suthep Rd | Mueang Chiang Mai | Chiang Mai | 50200 | 053111111 | 18.789602 | 98.974209 | Hospital | Pass |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Help place object** | **Help Place object** |
| 2 | Test find help place by input ID which is not in database | null | null | Pass |

**Unit Test Case Server 03 (UTCs-03):** updateHelpPlace(HelpPlace helpPlace):HelpPlace

**Test date:** 04/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | | | | | | | | |
| **Help place object** | | | | | | | | |
| **Name** | **Address** | **District** | **Province** | **Zip code** | **Phone Number** | **Latitude** | **Longitude** | **Category** |
| 1 | Test update help place into database | Maharaj Nakorn Chiang Mai Hospital | 10 Suthep Rd | Mueang Chiang Mai | Chiang Mai | 50200 | 053111111 | 18.789602 | 98.974209 | Hospital |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Actual Result** | | | | | | | | | **Pass/Fail** |
| **Help place object** | | | | | | | | |
| **Name** | **Address** | **District** | **Province** | **Zip code** | **Phone Number** | **Latitude** | **Longitude** | **Category** |
| 1 | Maharaj Nakorn Chiang Mai Hospital | 10 Suthep Rd | Mueang Chiang Mai | Chiang Mai | 50200 | 053111111 | 18.789602 | 98.974209 | Hospital | Pass |

**Unit Test Case Server 04 (UTCs-04):** deleteHelpPlace(HelpPlace helpPlace):boolean

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Boolean** | **Boolean** |
| 1 | Test delete help place in database | true | true | Pass |
| 2 | Test delete help place in database | true | true | Pass |
| 3 | Test delete help place which not in database | false | false | Pass |

**Unit Test Case Server 05 (UTCs-05):** getHelpPlacesByCategory(Integer categoryId)**:**List<HelpPlace>

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of help place object** | **List of help place object** |
| **ID** | **ID** |
| 1 | Test get help place by input category id | 1,2,3 | 1,2,3 | Pass |
| 2 | Test get help place by input category id | 5 | 5 | Pass |
| 3 | Test get help place by input category id which is not in database | null | null | Pass |

**Unit Test Case Server 06 (UTCs-06):** getHelpPlacesByProvince(Integer provinceId)**:**List<HelpPlace>

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of help place object** | **List of help place object** |
| **ID** | **ID** |
| 1 | Test get help place by input province id | 1,2,5 | 1,2,5 | Pass |
| 2 | Test get help place by input province id | 4 | 4 | Pass |
| 3 | Test get help place by input province id which is not in database | null | null | Pass |

**Unit Test Case Server 07 (UTCs-07):** getHelpPlacesByCategoryAndProvince(Integer categoryId,Integer

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of help place object** | **List of help place object** |
| **ID** | **ID** |
| 1 | Test get help place by input category id and province id | 1, 2 | 1, 2 | Pass |
| 2 | Test get help place by input category id and province id | 3 | 3 | Pass |
| 3 | Test get help place by input category id and province id which is not in database | null | null | Pass |
| 4 | Test get help place by input category id and province id which is not in database | null | null | Pass |

**Class name for testing**: CategoryServiceImpl

**Unit Test Case Server 08 (UTCs-08):** getCategories():List<Category>

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of province object** | **List of province object** |
| **ID** | **ID** |
| 1 | Test get all categories in database | 1, 2, 3 | 1, 2, 3 | Pass |

**Unit Test Case Server 09 (UTCs-09):** getCategoryById (Integer id): Category

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Category object** | **Category object** |
| **ID** | **ID** |
| 1 | Test find category by input ID which is in database | 1 | 1 | Pass |
| 2 | Test find category by input ID which is not in database | null | null | Pass |

**Class name for testing**: ProvinceServiceImpl

**Unit Test Case Server 10 (UTCs-10):** getProvinces():List<Province>

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of province object** | **List of province object** |
| **ID** | **ID** |
| 1 | Test get all provinces in database | 1, 2, 3 | 1, 2, 3 | Pass |

**Unit Test Case Server 11 (UTCs-11):** getProvinceById (Integer id):Province

**Test date:** 05/07/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Province object** | **Province object** |
| **ID** | **ID** |
| 1 | Test find province by input ID which is in database | 1 | 1 | Pass |
| 2 | Test find province by input ID which is not in database | null | null | Pass |

**Class name for testing**: HelpPlaceServiceImpl

**Unit Test Case Server 12 (UTCs-12):** getNearestHelpPlace(double userLatitude,double userLongitude,Integer categoryId) :HelpPlace

**Test date:** 17/10/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of help place object** | **List of help place object** |
| **ID** | **ID** |
| 1 | Test find nearest help place by input category’s ID which is in database | 1 | 1 | Pass |
| 2 | Test find nearest help place by input category’s ID which is not in database | null | null | Pass |

**Unit Test Case Server 13 (UTCs-13):** getHelpPlacesInScope(double userLatitude, double userLongitude, double scope)**:**List<HelpPlace>

**Test date:** 17/10/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **List of help place object** | **List of help place object** |
| **ID** | **ID** |
| 1 | Test get help places by input scope which have help place locate | 1 | 1 | Pass |
| 2 | Test get help places by input scope which have help place locate | 1,2 | 1,2 | Pass |
| 3 | Test get help places by input scope which does not have help place locate | Empty List | Empty List | Pass |

**Unit Test Case Server 14 (UTCs-14):** getLatitudeDistance(double latitude)**:**double

**Test date:** 17/10/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Latitude surface distance** | **Latitude surface distance** |
| 1 | Test get latitude surface distance by input latitude | 110649.0 | 110649.0 | Pass |
| 2 | Test get latitude surface distance by input latitude | 110649.0 | 110649.0 | Pass |

**Unit Test Case Server 15 (UTCs-15):** getLongitudeDistance(double longitude)**:**double

**Test date:** 17/10/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Longitude surface distance** | **Longitude surface distance** |
| 1 | Test get longitude surface distance by input latitude | 107551.0 | 107551.0 | Pass |
| 2 | Test get longitude surface distance by input latitude | 107551.0 | 107551.0 | Pass |

**Unit Test Case Server 16 (UTCs-16):** findDistance(double la1, double long1, double la2, double long2)**:**double

**Test date:** 17/10/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Distance (meter)** | **Distance (meter)** |
| 1 | Test get distance between two places by input latitude and longitude | 478.7309966661931 | 478.7309966661931 | Pass |
| 2 | Test get distance between two places by input latitude and longitude | 155044.92200234122 | 155044.92200234122 | Pass |

**Class name for testing**: HelpPlaceServiceImpl

**Unit Test Case Server 17 (UTCs-17):** calculateAverageRate(Integer id, double score):HelpPlace

**Test date:** 10/12/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **New average rating score (double)** | **New average rating score (double)** |
| 1 | Test calculates new help place’s average rating score. | 3.5 | 3.5 | Pass |
| 2 | Test calculates new help place’s average rating score. | 3.25 | 3.25 | Pass |

**Class name for testing**: AdminServiceImpl

**Unit Test Case Server 18 (UTCs-18):** findByName(String name):Admin

**Test date:** 10/12/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **Admin object ID** | **Admin object ID** |
| 1 | Test get admin by input name which has in the database | 1 | 1 | Pass |
| 2 | Test get admin by input name which does not has in the database | null | null | Pass |

**Unit Test Case Server 19 (UTCs-19):** saveUser(Admin admin):Admin

**Test date:** 10/12/2014

**Tested by:** Sawatdiporn

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | | **Actual Result** | | **Pass/Fail** |
| **Admin object** | | **Admin object** | |
| **Name** | **Password** | **Name** | **Password** |
| 1 | Test update admin into database | Admin | 21232f297a57a5a743894a0e4a801fc3 | Admin | 21232f297a57a5a743894a0e4a801fc3 | Pass |

# Chapter Three| System Testing Record

## 3.1 Mobile Part System Testing Record

**System Test Case Mobile 01 (STCm-01): User can view the online map with their current location**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows the online map and provides the user’s current location. The coordinate is shown the marker at latitude 98.974210 and 18.789610 on the map. | System shows the online map and provides the user’s current location. The coordinate is shown the marker at latitude 98.974210 and 18.789610 on the map. | Pass |

**System Test Case Mobile 02 (STCm-02): User can view the offline map with their current location**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows the offline map and provides the user’s current location. The coordinate is shown the marker at latitude 98.95166 and 18.8005956 on the map. | System shows the offline map and provides the user’s current location. The coordinate is shown the marker at latitude 98.95166 and 18.8005956 on the map. | Pass |

**System Test Case Mobile 03 (STCm-03): User can view help places in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System retrieves all help places from server and shows marker that located in the visible on device  • Maharaj Nakorn Chiang Mai Hospital  • Chiangmai Ram Hospital  • Chiang Mai Main Police Station | System retrieves all help places from server and shows marker that located in the visible on device  • Maharaj Nakorn Chiang Mai Hospital  • Chiangmai Ram Hospital  • Chiang Mai Main Police Station | Pass |

**System Test Case Mobile 04 (STCm-04): User can view help places in offline map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System retrieves help places from database and shows  • Kriangkrai Konlakan Garage  • Muang Chiang Mai Police Station  • Maharaj Nakorn Chiang Mai Hospital  • Lanna Hospital  • Chang Phueak Police Station  in the offline map | System retrieves help places from database and shows  • Kriangkrai Konlakan Garage  • Muang Chiang Mai Police Station  • Maharaj Nakorn Chiang Mai Hospital  • Lanna Hospital  • Chang Phueak Police Station  in the offline map | Pass |

**System Test Case Mobile 05 (STCm-05): User can view help information of each help place in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows information of “Lanna Hospital”.  **Name** as “Lanna Hospital”  **Phone Number** as “053-999758”  **Address** as “Chang Phuak, Mueang Chiang Mai, Chiang Mai, 50300”  **Latitude** as “98.991151”  **Longitude** as “18.812723”  **Rating score** as “5” | System shows information of “Lanna Hospital”.  **Name** as “Lanna Hospital”  **Phone Number** as “053-999758”  **Address** as “Chang Phuak, Mueang Chiang Mai, Chiang Mai, 50300”  **Latitude** as “98.991151”  **Longitude** as “18.812723”  **Rating score** as “5” | Pass |

**System Test Case Mobile 06 (STCm-06): User can view help information of each help place in offline map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows information of “Maharaj Nakorn Chiang Mai Hospital”  **Name** as “Maharaj Nakorn Chiang Mai Hospital”  **Phone Number** as “053-999758”  **Address** as “110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50201”  **Latitude** as “98.974209”  **Longitude** as “18.789602”  **Rating score** as “5” | System shows information of “Maharaj Nakorn Chiang Mai Hospital”  **Name** as “Maharaj Nakorn Chiang Mai Hospital”  **Phone Number** as “053-999758”  **Address** as “110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50201”  **Latitude** as “98.974209”  **Longitude** as “18.789602”  **Rating score** as “5” | Pass |

**System Test Case Mobile 07 (STCm-07): User can make emergency call to each help place in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System display the connection of telephone service with 053999758 and system is calling from the application to 053999758 | System display the connection of telephone service with 053999758 and system is calling from the application to 053999758 | Pass |

**System Test Case Mobile 08 (STCm-08): User can make emergency call to each help place in offline map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System display the connection of telephone service with 053947700 and system is calling from the application to 053947700 | System display the connection of telephone service with 053947700 and system is calling from the application to 053947700 | Pass |

**System Test Case Mobile 09 (STCm-09): User can search help place’s name by keyword in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows list of name in the system “Maharaj Nakorn Chiang Mai Hospital” | System shows list of name in the system “Maharaj Nakorn Chiang Mai Hospital” | Pass |
| 2 | System shows empty list | System shows empty list | Pass |
| 3 | System shows the list of all help places in Appendix test data 5 | System shows the list of all help places in Appendix test data 5 | Pass |

**System Test Case Mobile 10 (STCm-10): User can find the nearest help place by selection the category in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows “Maharaj Nakorn Chiang Mai Hospital” | System shows “Maharaj Nakorn Chiang Mai Hospital” | Pass |
| 2 | System shows “Chiang Mai Main Police Station” preview information of help by showing name and address | System shows “Chiang Mai Main Police Station” preview information of help by showing name and address | Pass |
| 3 | System shows “SN Body Service” preview information of help by showing name and address | System shows “SN Body Service” preview information of help by showing name and address | Pass |
|  | System shows “Chiang Mai Provincial Highway Police Station” preview information of help by showing name and address | System shows “Chiang Mai Provincial Highway Police Station” preview information of help by showing name and address | Pass |

**System Test Case Mobile 11 (STCm-11): User can set the scope for downloading data**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System display in setting scope dialouge, it select  “15 KM” | System display in setting scope dialouge, it select  “15 KM” | Pass |

**System Test Case Mobile 12 (STCm-12): Mobile application can collect help place information automatically**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System collect help places to save into database  • Hospital in range  • Police station in rang  • Garage in rang  • Highway police station in rang | System collect help places to save into database  • Hospital in range  • Police station in rang  • Garage in rang  • Highway police station in rang | N/A |

**System Test Case Mobile 13 (STCm-13): User can view the route of distance between the current locations of user to the destination**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System displays polyline on the map of distance from current location to destination. | System displays polyline on the map of distance from current location to destination. | Pass |

**System Test Case Mobile 14 (STCm-14): User can view details of each point on routing the direction**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System displays popup dialogue to show details of each point by providing time, distance per each point, average time and average distance. | System displays popup dialogue to show details of each point by providing time, distance per each point, average time and average distance. | Pass |

**System Test Case Mobile 15 (STCm-15): User can view average rating score of each help place in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows information of “SN Body Service”.  **Name** as “SN Body Service”  **Phone Number** as “053-202849”  **Address** as “14/12 Mahidol Rd., Mueang Chiang Mai District, Chiang Mai, 50100”  **Latitude** as “98.985429”  **Longitude** as “18.767368”  **Rating score** as “5.0” | System shows information of “SN Body Service”.  **Name** as “SN Body Service”  **Phone Number** as “053-202849”  **Address** as “14/12 Mahidol Rd., Mueang Chiang Mai District, Chiang Mai, 50100”  **Latitude** as “98.985429”  **Longitude** as “18.767368”  **Rating score** as “5.0” | Pass |

**System Test Case Mobile 16 (STCm-16): User can view average rating score of each help place in offline map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System shows information of “SN Body Service”.  **Name** as “SN Body Service”  **Phone Number** as “053-202849”  **Address** as “14/12 Mahidol Rd., Mueang Chiang Mai District, Chiang Mai, 50100”  **Latitude** as “98.985429”  **Longitude** as “18.767368”  **Rating score** as “5.0” | System shows information of “SN Body Service”.  **Name** as “SN Body Service”  **Phone Number** as “053-202849”  **Address** as “14/12 Mahidol Rd., Mueang Chiang Mai District, Chiang Mai, 50100”  **Latitude** as “98.985429”  **Longitude** as “18.767368”  **Rating score** as “5.0” | Pass |

**System Test Case Mobile 17 (STCm-17): User can rate the help place in online map**

**Test Date:** 9/12/2014

**Test By:** Putchakarn Jaikon

**Test Cases**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | System refresh new average rating score as “5.0” to show on screen | System refresh new average rating score as “5.0” to show on screen | Pass |
| 2 | System display show the original score “5.0” | System display show the original score “5.0” | Pass |

## 3.2 Server Part System Testing Record

**System Test Case server 01 (STCs-01): The administrator can add help place’s information, which include name, address, district, province, zip code, phone number, category, latitude and longitude.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test add by input new help place information with valid format | When add successful, the system shall show successful message “The help place has been added to database”. | When add successful, the system shall show successful message “The help place has been added to database”. | Pass |
| 2 | Test add by input new help place information with invalid format | The system shall show error message to input information again “The phone number length should be 9-10 characters”. | The system shall show error message to input information again “The phone number length should be 9-10 characters”. | Pass |

**System Test Case server 02 (STCs-02): The administrator can edit help place’s information, which include name, address, district, province, zip code, phone number, category, latitude and longitude.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test edit information of help place with valid format | When edit successful, the system shall show successful message “The help place has been added to database”. | When edit successful, the system shall show successful message “The help place has been added to database”. | Pass |
| 2 | Test edit information of help place with invalid format | The system shall show error message to input information again “The phone number length should be 9-10 characters”. | The system shall show error message to input information again “The phone number length should be 9-10 characters”. | Pass |

**System Test Case server 03 (STCm-03): The administrator can remove help place.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test remove a help place out of the system by select “Maharaj Nakorn Chiang Mai Hospital” | When remove successful, the system shall show successful message “The help place has been removed!”, and the help place does not show on home page. | When remove successful, the system shall show successful message “The help place has been removed!”, and the help place does not show on home page. | Pass |
| 2 | Test remove a help place out of the system by select “Chiang Mai Main Police Station” | When remove successful, the system shall show successful message “The help place has been removed!”, and the help place does not show on home page. | When remove successful, the system shall show successful message “The help place has been removed!”, and the help place does not show on home page. | Pass |

**System Test Case server 04 (STCs-04): The administrator can view help information of each help place.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test view information of “Maharaj Nakorn Chiang Mai Hospital” help place | System shows information of “Maharaj Nakorn Chiang Mai Hospital”.  Name = Maharaj Nakorn Chiang Mai Hospital  Address = Ban Kan Rd.  District = Mueang Chiang Mai  Zipcode = 50200  Province = Chiang Mai  Phone Number = 053-947700  Latitude = 18.789602  Longitude = 98.974209  Category =Hospital | System shows information of “Maharaj Nakorn Chiang Mai Hospital”.  Name = Maharaj Nakorn Chiang Mai Hospital  Address = Ban Kan Rd.  District = Mueang Chiang Mai  Zipcode = 50200  Province = Chiang Mai  Phone Number = 053-947700  Latitude = 18.789602  Longitude = 98.974209  Category =Hospital | Pass |
| 2 | Test view information of “Chiang Mai Main Police Station” help place | System shows information of “Chiang Mai Main Police Station”.  Name = Chiang Mai Main Police Station  Address = 169 Ratchadamnoen Rd.  District = Mueang Chiang Mai District  Zipcode = 50200  Province = Chiang Mai  Phone Number = 053-814313  Latitude = 18.8083976  Longitude = 98.9764103  Category = Police Station  Average Rate = 4.5 | System shows information of “Chiang Mai Main Police Station”.  Name = Chiang Mai Main Police Station  Address = 169 Ratchadamnoen Rd.  District = Mueang Chiang Mai District  Zipcode = 50200  Province = Chiang Mai  Phone Number = 053-814313  Latitude = 18.8083976  Longitude = 98.9764103  Category = Police Station  Average Rate = 4.5 | Pass |

**System Test Case server 05 (STCs-05): The administrator can browse the help place by category.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test browse help places by select “Garage” | System shows list of help places which are Ruangchai Yon Garage, Nakornping Workshop Garage, Wirut Garage, VN Auto Body, and SN Body Service.  Name = Ruangchai Yon Garage  Province = Chiang Mai  Category = Garage  Name = Nakornping Workshop Garage  Province = Chiang Mai  Category = Garage  Name= Wirut Garage  Province = Chiang Mai  Category = Garage  Name = VN Auto Body  Province = Chiang Mai  Category = Garage  Name = SN Body Service  Province = Chiang Mai  Category = Garage | System shows list of help places which are Ruangchai Yon Garage, Nakornping Workshop Garage, Wirut Garage, VN Auto Body, and SN Body Service.  Name = Ruangchai Yon Garage  Province = Chiang Mai  Category = Garage  Name = Nakornping Workshop Garage  Province = Chiang Mai  Category = Garage  Name= Wirut Garage  Province = Chiang Mai  Category = Garage  Name = VN Auto Body  Province = Chiang Mai  Category = Garage  Name = SN Body Service  Province = Chiang Mai  Category = Garage | Pass |

**System Test Case server 06 (STCs-06): The administrator can browse the help place by province of Thailand.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test browse help places by select “Chiang Rai” | System shows help place “Chiang Rai Police Station”  Name = Chiang Rai Police Station  Province = Chiang Rai  Category = Police Station | System shows help place “Chiang Rai Police Station”  Name = Chiang Rai Police Station  Province = Chiang Rai  Category = Police Station | Pass |

**System Test Case server 07 (STCs-07):** **The administrator can browse the help place by category and province of Thailand.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test browse help places by select “Hospital” in “Lampang” | System shows help place “Lampang Hospital”  Name = Lampang Hospital  Province = Lampang  Category = Hospital | System shows help place “Lampang Hospital”  Name = Lampang Hospital  Province = Lampang  Category = Hospital | Pass |
| 2 | Test browse help places by select “Police Station” in “Chiang Rai” | System shows help place “Chiang Rai Police Station”  Name = Chiang Rai Police Station  Province = Chiang Rai  Category = Police Station | System shows help place “Chiang Rai Police Station”  Name = Chiang Rai Police Station  Province = Chiang Rai  Category = Police Station | Pass |

**System Test Case server 08 (STCs-08): The administrator can login to the system.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test login to the system with valid username and password | If login successful, the system shall show home page of the Emergency Information Web Application. | If login successful, the system shall show home page of the Emergency Information Web Application. | Pass |
| 2 | Test login to the system with invalid username and password | The system shall show error message “You have entered an invalid username or password!” | The system shall show error message “You have entered an invalid username or password!” | Pass |

**System Test Case server 09 (STCs-09): The administrator can logout of the system.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test logout of system | If logout successful, the system shall show login page of the Emergency Information Web Application. | If logout successful, the system shall show login page of the Emergency Information Web Application. | Pass |

**System Test Case server 10 (STCs-10): The administrator can update their account’s password.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Case** | **Description** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| 1 | Test update password of administrator | If update successful, the system shall show home page of the Emergency Information Web Application. | If update successful, the system shall show home page of the Emergency Information Web Application. | Pass |

**System Test Case server 11 (STCs-11): The mobile application can get list of all help places in the database.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Case** | **Description** | **Expected Result** |
|
| 1 | Test get list of all help places in the database in form of JSON. | {"Helpplaces":[{"id":1,"category":"Police Station","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50201","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602},{"id":2,"category":"Hospital","phoneNumber":"053-999758","address":"Chang Phuak, Mueang Chiang Mai, Chiang Mai, 50300","name":"Lanna Hospital","longitude":98.991151,"latitude":18.812723},{"id":3,"category":"Hospital","phoneNumber":"054-237400","address":"Tambon Phrabat, Amphoe Mueang Lampang, Lampang, 52000","name":"Lampang Hospital","longitude":99.506305,"latitude":18.285378},{"id":4,"category":"Police Station","phoneNumber":"053-603100","address":"Rattanakeat Road, Mueang Chiang Rai, Chiang Rai, 57000","name":"Chiang Rai Police Station","longitude":99.832526,"latitude":19.912221},{"id":5,"category":"Garage","phoneNumber":"053-242999","address":"Outer Ring Road, Saraphi District, Chiang Mai, 50000","name":"Ruangchai Yon Garage","longitude":99.055108,"latitude":18.750651},{"id":6,"category":"Hospital","phoneNumber":"053-220022","address":" 1/7 Changpuek, Mueang Chiang Mai District, Chiang Mai, 50200","name":"Changpuek Hospital","longitude":98.986944,"latitude":18.798967},{"id":7,"category":"Hospital","phoneNumber":"053\u2013920300","address":"8 Boonreungrit Rd., Mueang Chiang Mai District, Chiang Mai, 50200","name":"Chiangmai Ram Hospital","longitude":98.977693,"latitude":18.794931},{"id":8,"category":"Hospital","phoneNumber":"053-272788","address":"158 Pardat, Mueang Chiang Mai District, Chiang Mai, 50100","name":"Chiangmai Klaimor Hospital","longitude":98.972035,"latitude":18.760426},{"id":9,"category":"Highway Police Station","phoneNumber":"053-242441","address":" Inburi-Chaingmai Rd., Muang Chiang Mai District, Chiang Mai, 50000","name":"Chiang Mai Provincial Highway Police Station","longitude":99.002148,"latitude":18.7893955},{"id":10,"category":"Police Station","phoneNumber":"053-218445","address":"120/2 Chotana Rd., Mueang Chiang Mai District, Chiang Mai, 50200","name":"Chang Phuak Police Station","longitude":98.975552,"latitude":18.818797},{"id":11,"category":"Police Station","phoneNumber":"053-814313","address":"169 Ratchadamnoen Rd., Mueang Chiang Mai District, Chiang Mai, 50200","name":"Chiang Mai Main Police Station","longitude":98.9764103,"latitude":18.8083976},{"id":12,"category":"Police Station","phoneNumber":"053-275704","address":"184 Moo 3, Chiang Mai-Lamphun Rd., Mueang Chiang Mai, Chiang Mai, 50200","name":"Mae Ping Police Station","longitude":99.009687,"latitude":18.751725},{"id":13,"category":"Police Station","phoneNumber":"053-211750","address":"194 Moo 1, Huai Kaew Rd., Chang Phuak, Chiang Mai, 50300","name":"Phu Ping Ratchaniwet Police Station","longitude":98.8986879,"latitude":18.8061444},{"id":14,"category":"Garage","phoneNumber":"053-491777","address":"6 259, San Na Meng, San Sai District, Chiang Mai, 50210","name":"Nakornping Workshop Garage","longitude":99.072494,"latitude":18.84407},{"id":15,"category":"Garage","phoneNumber":"053-396617","address":"4/1 San Sai, Chiang Mai, Chiang Mai, 50210","name":"Wirut Garage","longitude":99.038605,"latitude":18.843677},{"id":16,"category":"Garage","phoneNumber":"053-805900","address":" 178 Mae Hia, Mueang Chiang Mai District, Chiang Mai, 50100","name":"VN Auto Body","longitude":98.987728,"latitude":18.703818},{"id":17,"category":"Garage","phoneNumber":"053-202849","address":"14/12 Mahidol Rd., Mueang Chiang Mai District, Chiang Mai, 50100","name":"SN Body Service","longitude":98.985429,"latitude":18.767368},{"id":19,"category":"Hospital","phoneNumber":"111111111","address":"Ww, ww, Chiang Mai, 11111","name":"ww","longitude":-2.1073632846557757,"latitude":34.95633002033548}]} |

|  |  |
| --- | --- |
| **Actual Result** | **Pass/Fail** |
| {"Helpplaces":[{"id":1,"category":"Police Station","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50201","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602},{"id":2,"category":"Hospital","phoneNumber":"053-999758","address":"Chang Phuak, Mueang Chiang Mai, Chiang Mai, 50300","name":"Lanna Hospital","longitude":98.991151,"latitude":18.812723},{"id":3,"category":"Hospital","phoneNumber":"054-237400","address":"Tambon Phrabat, Amphoe Mueang Lampang, Lampang, 52000","name":"Lampang Hospital","longitude":99.506305,"latitude":18.285378},{"id":4,"category":"Police Station","phoneNumber":"053-603100","address":"Rattanakeat Road, Mueang Chiang Rai, Chiang Rai, 57000","name":"Chiang Rai Police Station","longitude":99.832526,"latitude":19.912221},{"id":5,"category":"Garage","phoneNumber":"053-242999","address":"Outer Ring Road, Saraphi District, Chiang Mai, 50000","name":"Ruangchai Yon Garage","longitude":99.055108,"latitude":18.750651},{"id":6,"category":"Hospital","phoneNumber":"053-220022","address":" 1/7 Changpuek, Mueang Chiang Mai District, Chiang Mai, 50200","name":"Changpuek Hospital","longitude":98.986944,"latitude":18.798967},{"id":7,"category":"Hospital","phoneNumber":"053\u2013920300","address":"8 Boonreungrit Rd., Mueang Chiang Mai District, Chiang Mai, 50200","name":"Chiangmai Ram Hospital","longitude":98.977693,"latitude":18.794931},{"id":8,"category":"Hospital","phoneNumber":"053-272788","address":"158 Pardat, Mueang Chiang Mai District, Chiang Mai, 50100","name":"Chiangmai Klaimor Hospital","longitude":98.972035,"latitude":18.760426},{"id":9,"category":"Highway Police Station","phoneNumber":"053-242441","address":" Inburi-Chaingmai Rd., Muang Chiang Mai District, Chiang Mai, 50000","name":"Chiang Mai Provincial Highway Police Station","longitude":99.002148,"latitude":18.7893955},{"id":10,"category":"Police Station","phoneNumber":"053-218445","address":"120/2 Chotana Rd., Mueang Chiang Mai District, Chiang Mai, 50200","name":"Chang Phuak Police Station","longitude":98.975552,"latitude":18.818797},{"id":11,"category":"Police Station","phoneNumber":"053-814313","address":"169 Ratchadamnoen Rd., Mueang Chiang Mai District, Chiang Mai, 50200","name":"Chiang Mai Main Police Station","longitude":98.9764103,"latitude":18.8083976},{"id":12,"category":"Police Station","phoneNumber":"053-275704","address":"184 Moo 3, Chiang Mai-Lamphun Rd., Mueang Chiang Mai, Chiang Mai, 50200","name":"Mae Ping Police Station","longitude":99.009687,"latitude":18.751725},{"id":13,"category":"Police Station","phoneNumber":"053-211750","address":"194 Moo 1, Huai Kaew Rd., Chang Phuak, Chiang Mai, 50300","name":"Phu Ping Ratchaniwet Police Station","longitude":98.8986879,"latitude":18.8061444},{"id":14,"category":"Garage","phoneNumber":"053-491777","address":"6 259, San Na Meng, San Sai District, Chiang Mai, 50210","name":"Nakornping Workshop Garage","longitude":99.072494,"latitude":18.84407},{"id":15,"category":"Garage","phoneNumber":"053-396617","address":"4/1 San Sai, Chiang Mai, Chiang Mai, 50210","name":"Wirut Garage","longitude":99.038605,"latitude":18.843677},{"id":16,"category":"Garage","phoneNumber":"053-805900","address":" 178 Mae Hia, Mueang Chiang Mai District, Chiang Mai, 50100","name":"VN Auto Body","longitude":98.987728,"latitude":18.703818},{"id":17,"category":"Garage","phoneNumber":"053-202849","address":"14/12 Mahidol Rd., Mueang Chiang Mai District, Chiang Mai, 50100","name":"SN Body Service","longitude":98.985429,"latitude":18.767368},{"id":19,"category":"Hospital","phoneNumber":"111111111","address":"Ww, ww, Chiang Mai, 11111","name":"ww","longitude":-2.1073632846557757,"latitude":34.95633002033548}]} | Pass |

**System Test Case server 12 (STCs-12): The mobile application can get the nearest help place by the selected category.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Case** | **Description** | **Expected Result** |
|
| 1 | Test get the nearest help place of location (18.789643, 98.969758) and select “Hospital” category, in JSON form. | {"NearestHelpPlace":[{"id":1,"averageRate":5,"category":"Hospital","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50200","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602}]} |

|  |  |
| --- | --- |
| **Actual Result** | **Pass/Fail** |
| {"NearestHelpPlace":[{"id":1,"averageRate":5,"category":"Hospital","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50200","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602}]} | Pass |

**System Test Case server 13 (STCs-13): The mobile application can get list of help places where locate in the setting scope.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Case** | **Description** | **Expected Result** |
|
| 1 | Test get list of help places where locate in scope of 1000 meters around the location (18.789643, 98.969758), in JSON form. | {"HelpplacesInScope":[{"id":1,"averageRate":5,"category":"Hospital","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50200","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602}]} |

|  |  |
| --- | --- |
| **Actual Result** | **Pass/Fail** |
| {"HelpplacesInScope":[{"id":1,"averageRate":5,"category":"Hospital","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50200","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602}]} | Pass |

**System Test Case server 14 (STCs-14**): **The mobile application can retrieve the help place with new average rating score.**

**Test Date:** 9/12/2014

**Test By:** Sawatdiporn Kitirot

**Test Cases**

|  |  |  |
| --- | --- | --- |
| **Case** | **Description** | **Expected Result** |
|
| 1 | Test get help place of ID= 1 and give rating score = 2 | {"HelpplaceNewAverageRate":[{"id":1,"averageRate":3.5,"category":"Hospital","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50200","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602}]} |

|  |  |
| --- | --- |
| **Actual Result** | **Pass/Fail** |
| {"HelpplaceNewAverageRate":[{"id":1,"averageRate":3.5,"category":"Hospital","phoneNumber":"053-947700","address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, 50200","name":"Maharaj Nakorn Chiang Mai Hospital","longitude":98.974209,"latitude":18.789602}]} | Pass |