Chapter 6 Test Record

Emergency Information on Mobile

Test Record

By Putchakarn Jaikon 542115031 Sawatdiporn Kitirot 542115065

Department of Software Engineering College of Arts, Media and Technology Chiang Mai University

Project Advisor

Aj.Chartchai Doungsa-ard

Document History

Document Name	Details	Status	Date	Viewable	Reviewer	Responsible
Documents						
EIOM-Test Record- V.0.1.docx	Chapter 1 • Introduction	Draft	15/6/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.0.2.docx	Chapter 2 • Server Part Unit Testing Record	Draft	16/6/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.0.3.docx	Chapter 2	Draft	27/5/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.0.4.docx	Modify Chapter 2 • Server Part Unit Testing Record	Draft	30/5/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.1.0.docx	Add Table of content and cover page	Release	30/5/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.1.1.docx	Modify chapter 1-2	Release	30/7/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.2.0.docx	• Remove UTC-12,13 of mobile part	Draft	21/10/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.2.0.docx	• Add UTC-12 – UTC-26	Release	21/10/2014	PJ, SK, CD	PJ, SK	PJ, SK
EIOM- Test Record - V.3.0.docx	• Add Test record of system test	Release	11/12/2014	PJ, SK, CD	PJ, SK	PJ, SK

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

Table of Content

Chapte	ter One Introduction	5
-	Purpose	
	Responsibility	
Chapte	ter Two Unit Testing Record	6
2.1 N	Mobile Part Unit Testing Record	6
2.2 \$	Server Part Unit Testing Record	10
Chapte	ter Three System Testing Record	22
3.1 N	Mobile Part System Testing Record	22
3.2 \$	Server Part System Testing Record	35

Document name: EIOM-Test Record-V.3.0.docx **Document Type:** Test Record **Page:** 4 / 49

Chapter One | Introduction

1.1 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.

1.2 Responsibility

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

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

(Expected Result	Actual Result	
Case	Description	Size of JSON Array	Size of JSON Array	Fass/Fail
_	Test to get JSON array size by input	_	1	Dogg
-	JSON object	T	1	г азэ

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

Test date: 05/07/2014

Tested by: Putchakarn

,	=	
Ę	Fass/Fail	Pass
Actual Result	Size of HelpPlace Array Size of HelpPlace Array	5
Expected Result	Size of HelpPlace Array	5
6	Description	Test get help place array's size
(Case	

	Description			Expected Result	esult		
Case				HelpPlace object	bject		
		pI	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

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 7/49

			Actual Result				
Case			HelpPlace object				Pass/Fail
	pI	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
S	5	Kriangkrai Konlakan Garage	7/2, See Ping Mueang Road, Tambon Chang Khlan, Amphoe Mueang, Chiang Mai	053244599	18.771195	98.983062	Pass

- Test Record-V.3.0.docx

Document Type: Test Record
Page: 8 / 49

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Unit Test Case Mobile 03 (UTCm-03): insertHelpPlace (ArrayList <HelpPlace> helpPlace): int **Test date:** 20/10/2014

Tested by: Putchakarn

		Expected Result	Actual Result	
Case	Description	List of Help Places ID	List of Help Places ID	Pass/Fail
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

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

Page: 9 / 49

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

		Expected Result	Actual Result	
Case	Description	List of help place object	List of help place object List of help place object Pass/Fail	Pass/Fail
		II)	(II)	
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

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

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 10/49

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

	rass/rall	Pass
Actual Result	Help Place object	IInu
Expected Result	Help place object	[[nu
	Description	Test find help place by input ID which is not in database
Ş	Case	2

Document Type: Test Record
Page: 11 / 49

Unit Test Case Server 03 (UTCs-03): updateHelpPlace (HelpPlace helpPlace): HelpPlace Test date: 04/07/2014
Tested by: Sawatdiporn

					I	Expected Result	sult			
Case	Description				H	Help place object	bject			
		Name	Address	District	Province	Zip code	Name Address District Province Zip code Phone Number Latitude Longitude Category	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	18.789602 98.974209 Hospital	Hospital

	Pace/Fail		al Pass
		Catego	Hospit
		Longitude	18.789602 98.974209 Hospital
		Latitude	18.789602
sult	object	ZipPhone NumberLatitudeLongitudeCategorycode	053111111
Actual Result	Help place object		50200
A	He	vin	Chiang Mai
		District	Mueang Chiang Mai
		Address	10 Suthep Rd Mueang Chia Chian Chiang Mai Mai
		Name	Maharaj Nakorn Chiang Mai Hospital
	0360	(43)	-

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

Test date: 05/07/2014

Tested by: Sawatdiporn

2	, , , , , , , , , , , , , , , , , , ,	Expected Result	Actual Result	Desce (Eq.
Case	Description	Boolean	Boolean	rass/ram
1	Test delete help place in database	true	ann	Pass
2	Test delete help place in database	true	ann	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

		Expected Result	Actual Result	
	Description	List of help place object	List of help place object	Pass/Fail
		E C	a a	T
L.	Fest get help place by input category id	1,2,3	1,2,3	Pass
L	2 Test get help place by input category id	5	5	Pass
	Test get help place by input category id which is not in database	lluu	lluu	Pass

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 13 / 49

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

Test date: 05/07/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
Case	Description	List of help place object	List	Pass/Fail
		ID		
1	Test get help place by input province id	1,2,5	1,2,5	Pass
2	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	lluu	null	Pass

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

Test date: 05/07/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
Case	Description	List of help place object	List of help place object Pass/Fail	Pass/Fail
		ID	a	
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	llun	llun	Pass
4	Test get help place by input category id and province id which is not in database	llun	llun	Pass

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record

Document name: EIOM-Test Record-V.3.0.docx

Release Date: 26/12/2014

Class name for testing: CategoryServiceImpl Unit Test Case Server 08 (UTCs-08): getCategories ():List<Category>

Test date: 05/07/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
Case	Description	List of province object I	List of province object	Pass/Fail
		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

		Expected Result Actual Result	Actual Result	
Case	Description	Category object	Category object Category object Pass/Fail	Pass/Fail
		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	lluu	lluu	Pass

Document Type: Test Record

Page 16/40

Document name: EIOM-Test Record-V.3.0.docx

Release Date: 26/12/2014

Class name for testing: ProvinceServiceImpl

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

Test date: 05/07/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
Case	Description	List of province object	List of province object	Pass/Fail
		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

		Expected Result Actual Result	Actual Result	
Case	Description	Province object	Province object Province object Pass/Fail	Pass/Fail
		ID	αI	
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	llnu	[[nu	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

		Expected Result	Actual Result	
	Description	List of help place object	List of help place object	Pass/Fail
		ID	II	
Tes	Test find nearest help place by input category's ID which is in database	1	1	Pass
Test	Test find nearest help place by input category's ID which is not in database	llnu	lluu	Pass

Page: 17 / 49

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

Test date: 17/10/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
	Description	List of help place object	List of help place object	Pass/Fail
		OI	(II	
	Test get help places by input scope which have help place locate	-	1	Pass
l	Test get help places by input scope which have help place locate	1,2	1,2	Pass
	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

Description	Expected Result Latitude surface distance	Actual Result Latitude surface distance	Pass/Fail
Test get latitude surface distance by input latitude	110649.0	110649.0	Pass
Test get latitude surface distance by input latitude	110649.0	110649.0	Pass

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Page: 18 / 49

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

Test date: 17/10/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
	Description	Longitude surface distance	Longitude surface distance	Pass/Fail
Test get	Test get longitude surface distance by input latitude	107551.0	107551.0	Pass
Test get	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

_	<u> </u>	
Pass/Fail	Pass	Pass
Actual Result Distance (meter)	478.7309966661931	155044.92200234122 155044.92200234122
Expected Result Distance (meter)	478.7309966661931	155044.92200234122
Description	Test get distance between two places by input latitude and longitude	Test get distance between two places by input latitude and longitude
Case	1	2

Page: 19 / 49

Class name for testing: HelpPlaceServiceImpl

Unit Test Case Server 17 (UTCs-17): calculate Average Rate (Integer id, double score): HelpPlace

Test date: 10/12/2014

Tested by: Sawatdiporn

		Expected Result	Actual Result	
Case	Description	New average rating score (double)	New average rating score (double)	Pass/Fail
1	Test calculates new help	3.5	3.5	Doog
	place's average rating score.			rass
2	Test calculates new help	3.25	3.25	Dogg
	place's average rating score.			r dss

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
1	Test get admin by input name	1	1	Dogs
	which has in the database			F 435
2	Test get admin by input name	llun	null	
	which does not has in the			Pass
	database			

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record Page: 20 / 49

Unit Test Case Server 19 (UTCs-19): saveUser(Admin admin):Admin
Test date: 10/12/2014
Tested by: Sawatdiporn

			Expected Result		Actual Result	Pass/Fail
	Description		Admin object		Admin object	
Case		Name	Password	Name	Password	
1	Test update admin	view.	21232f297a57a5a743894a0e4a8	A dississ	21232f297a57a5a743894a0e4a8	Pass
-	into database	Admini	01fc3	Admin	01fc3	

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

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
-	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

Page: 22 / 49

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
	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 System retrieves all help places from server and	System retrieves all help places from server and	Pass
	marker that located in the visible on device	shows marker that located in the visible on device	
	• Maharaj Nakorn Chiang Mai Hospital	 Maharaj Nakorn Chiang Mai Hospital 	
	• Chiangmai Ram Hospital	• Chiangmai Ram Hospital	
	• Chiang Mai Main Police Station	 Chiang Mai Main Police Station 	

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Page: 23 / 49

Page: 24 / 49 Document Type: Test Record

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
	System retrieves help places from database	System retrieves help places from database	Pass
	and shows	and shows	
	 Kriangkrai Konlakan Garage 	 Kriangkrai Konlakan Garage 	
	 Muang Chiang Mai Police Station 	 Muang Chiang Mai Police Station 	
	 Maharaj Nakorn Chiang Mai Hospital 	 Maharaj Nakorn Chiang Mai Hospital 	
	• Lanna Hospital	• Lanna Hospital	
	 Chang Phueak Police Station 	 Chang Phueak Police Station 	
	in the offline map	in the offline map	

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
-	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

Page: 25 / 49 Document Type: Test Record

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

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
_	System shows information of "Maharaj Nakorn	System shows information of "Maharaj Nakorn	Pass
	Chiang Mai Hospital"	Chiang Mai Hospital"	
	Name as "Maharaj Nakorn Chiang Mai Hospital"	Name as "Maharaj Nakorn Chiang Mai Hospital"	
	Phone Number as "053-999758"	Phone Number as "053-999758"	
	Address as "110 Suthep Rd, Mueang Chiang	Address as "110 Suthep Rd, Mueang Chiang	
	Mai, Chiang Mai, 50201"	Mai, Chiang Mai, 50201"	
	Latitude as "98.974209"	Latitude as "98.974209"	
	Longitude as "18.789602"	Longitude as "18.789602"	
	Rating score as "5"	Rating score as "5"	

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

Test By: Putchakarn Jaikon

Test Cases

Case	Expected Result	Actual Result	Pass/Fail
_	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

Document name: EIOM-Test Record-V.3.0.docx

Release Date: 26/12/2014

Page: 27 / 49 Document Type: Test Record

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

Test By: Putchakarn Jaikon

Test Cases

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

Page: 28 / 49

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

Test By: Putchakarn Jaikon

Test Cases

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

Document name: EIOM-Test Record-V.3.0.docx

Page: 29 / 49

Document Type: Test Record

Release Date: 26/12/2014

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

Test By: Putchakarn Jaikon

Test Cases

ase	Expected Result	Actual Result	Pass/Fail
	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
T	System collect help places to save into database	System collect help places to save into database	N/A
	• Hospital in range	• Hospital in range	
	 Police station in rang 	• Police station in rang	
	• Garage in rang	• Garage in rang	
	 Highway police station in rang 	 Highway police station in rang 	

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 30 / 49

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
_	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
-	System displays popup dialogue to show details of each point by providing time, distance per each point, average time and average distance.	e to show details of System displays popup dialogue to show details of istance per each point by providing time, distance per each point, average time and average distance.	Pass

Document name: EIOM-Test Record-V.3.0.docx

Release Date: 26/12/2014

Page: 31 / 49

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
	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".	of "SN Body Service". Name as "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".	Pass
	Rating score as "5.0"	Rating score as "5.0"	

Page: 32 / 49 Document Type: Test Record

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

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
-	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"	f"SN Body Service". Name as "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

Page: 33 / 49 Document Type: Test Record

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

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

Test By: Putchakarn Jaikon

Test Cases

Case	Expected Result	Actual Result	Pass/Fail
-	System refresh new average rating score as "5.0"	ystem refresh new average rating score as "5.0" System refresh new average rating score as "5.0" to	Pass
	to show on screen	show on screen	
7	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	When add successful, the system shall	When add successful, the system shall	Pass
	place information with valid	show successful message "The help	show successful message "The help	
	format	place has been added to database".	place has been added to database".	
2	Test add by input new help	The system shall show error message to	The system shall show error message to The system shall show error message to	Pass
	place information with invalid	input information again "The phone	input information again "The phone	
	format	number length should be 9-10	number length should be 9-10	
		characters".	characters".	

Document name: EIOM-Test Record-V.3.0.docx

Page: 35 / 49

Document Type: Test Record

Release Date: 26/12/2014

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	When edit successful, the system shall	When edit successful, the system shall	Pass
	place with valid format	show successful message "The help place	show successful message "The help place	
		has been added to database".	has been added to database".	
2	2 Test edit information of help	The system shall show error message to	The system shall show error message to	Pass
	place with invalid format	input information again "The phone	input information again "The phone	
		number length should be 9-10 characters".	number length should be 9-10 characters". number length should be 9-10 characters".	

Document Type: Test Record
Page: 36 / 49

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

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
	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	When remove successful, the system shall show successful message "The help place has been removed!", and the help place does not show on	Pass
		page.	home page.	
2	Test remove a help place out of the	When remove successful, the system	When remove successful, the system	Pass
	system by select "Chiang Mai Main	shall show successful message "The	shall show successful message "The	
	Police Station"	help place has been removed!", and the	help place has been removed!", and	
		help place does not show on home	the help place does not show on	
		page.	home page.	

Page: 37 / 49 Document Type: Test Record

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
П	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	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	Pass

Document Type: Test Record
Page: 38 / 49

Phone Number = $053-814313$	Phone Number = 053-814313
Latitude = 18.8083976	Latitude = 18.8083976
Longitude = 98.9764103	Longitude = 98.9764103
Category = Police Station	Category = Police Station
Average Rate = 4.5	Average Rate = 4.5

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

Г	
Pass/Fail	Pass
Actual Result	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
Expected Result	Test browse help places by select "Garage" 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
Description	Test browse help places by select "Garage"
Case	-

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 39 / 49

Name= Wirut Garage	Name = VN Auto Body	Name = SN Body Service
Province = Chiang Mai	Province = Chiang Mai	Province = Chiang Mai
Category = Garage	Category = Garage	Category = Garage
Name= Wirut Garage	Name = VN Auto Body	Name = SN Body Service
Province = Chiang Mai	Province = Chiang Mai	Province = Chiang Mai
Category = Garage	Category = Garage	Category = Garage

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	System shows help place "Chiang System shows help place "Chiang	System shows help place "Chiang	Pass
	"Chiang Rai"	Rai Police Station"	Rai Police Station"	
		Name = Chiang Rai Police Station	Name = Chiang Rai Police Station	
		Province = Chiang Rai	Province = Chiang Rai	
		Category = Police Station	Category = Police Station	

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

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
П	Test browse help places by select "Hospital" in "Lampang"	System shows help place "Lampang Hospital"	System shows help place "Lampang Hospital" Name = Lampang Hospital	Pass
		Name = Lampang Hospital Province = Lampang Category = Hospital	Province = Lampang Category = Hospital	
2	Test browse help places by select "Police Station" in	System shows help place "Chiang Rai Police System shows help place "Chiang Rai Police Station"	System shows help place "Chiang Rai Police Station"	Pass
	"Chiang Rai"	Name = Chiang Rai Police Station Province = Chiang Rai Category = Police Station	Name = Chiang Rai Police Station Province = Chiang Rai Category = Police Station	

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
-	Test login to the system with If login successful, the syalid username and password show home page of the Emergency Information Application.	Test login to the system with valid username and password 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

Document Type: Test Record

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

	Description	Expected Result	Actual Result	Pass/Fail
Te,	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
	Test update password of administrator	Fest update password of 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
-	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.	

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 43/49

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

Cas	Descripti	Expected Result
e	uo	
1	Test get	{"Helpplaces":[{"id":1,"category":"Police Station","phoneNumber":"053-947700","address":"110 Suthep Rd,
	list of all	Mueang Chiang Mai, Chiang Mai, 50201", "name": "Maharaj Nakorn Chiang Mai
	help	Hospital", "longitude": 98.974209, "latitude": 18.789602}, {"id": 2, "category": "Hospital", "phoneNumber": "053-
	places in	999758", "address": "Chang Phuak, Mueang Chiang Mai, Chiang Mai, 50300", "name": "Lanna
	the	Hospital", "longitude": 98.991151, "latitude": 18.812723}, {"id": 3, "category": "Hospital", "phoneNumber": "054-
	database	237400", "address": "Tambon Phrabat, Amphoe Mueang Lampang, Lampang, 52000", "name": "Lampang
	in form of	Hospital", "longitude": 99.506305, "latitude": 18.285378}, {"id": 4, "category": "Police Station", "phoneNumber": "053-
	JSON.	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\u201392
		0300", "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-

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Page: 44 / 49

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	Pass
Hospital", "Iongitude": 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 Mueano Lampano Lampano S2000" "name": "Lampano	
Hospital", "longitude": 99.506305, "latitude": 18.285378}, {"id": 4, "category": "Police Station", "phoneNumber": "053-	

Document name: EIOM-Test Record-V.3.0.docx **Release Date:** 26/12/2014

Document Type: Test Record
Page: 45/49

S":"	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":"1111111111", "address":" Ww, ww, Chiang Mai, 11111", "name":"ww", "longitude":-2.1073632846557757, "latitude":34.95633002033548}]}
	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-
"."S	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
	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-
	50300", "name": "Phu Ping Ratchaniwet Police Station", "Iongitude": 98.8986879, "latitude": 18.8061444}, {"id": 14, "category": "Garage", "phoneNumber": "053-
	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,
ice i,	50200", "name": "Chiang Mai Main Police Station", "longitude": 98.9/64103, "latitude": 18.80839/6}, { "id": 12, "category": "Police Station", "phoneNumber": "053-275704", "address": "184 Moo 3, Chiang Mai-Lamphun Rd., Mueang Chiang Mai, Chiang Mai,
	Station", "phoneNumber": "053-814313", "address": "169 Ratchadamnoen Rd., Mueang Chiang Mai District, Chiang Mai,
	Station", "phoneNumber":"053-218445", "address":"120/2 Chotana Rd., Mueang Chiang Mai District, Chiang Mai, 50200" "pome Physic Physics Station" "Janeity 2017 11, "person" "Janeity 2017 11, "person 2017 11, "pers
al 	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
	Hospital", "longitude": 98.972035, "latitude": 18.760426}, {"id": 9, "category": "Highway Police Station", "phoneNumber": "053-
	Hospital", "longitude": 98.977693, "latitude": 18.794931}, {"id": 8, "category": "Hospital", "phoneNumber": "053-
7	ress"8 Boonreungrit Rd., Mueang Chiang Mai District, Chiang Mai, 50200", "name". "Chiangmai Ram
- - - - - - -	1/7 Changpuek, Mueang Chiang Mai District, Chiang Mai, 50200", "name": "Changpuek Hosnital" "Iongitude": 98 986944 "Iatitude": 18 7989673 {"id": 7 "category": "Hosnital" "nhoneNumber": "053\u2013920300" "add
":"S	Garage", "longitude": 99.055108, "latitude": 18.750651}, {"id": 6, "category": "Hospital", "phoneNumber": "053-220022", "address": "
	242999", "address": "Outer Ring Road, Saraphi District, Chiang Mai, 50000", "name": "Ruangchai Yon
	603100", "address": "Kattanakeat Koad, Mueang Chiang Kai, Chiang Kai, 5/000", "name": "Chiang Kai Police Station" "Iongitude": 99 832526 "latitude": 19 912221} {"id": 5 "category": "Garage" "phoneNumber": "053-
	603100" "addrace"." Pattanalzaat Doad Misaana Chiana Bai Chiana Bai 57000" "nama"." Chiana Bai Dolica

Document Type: Test Record
Page: 46/49

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
	Test get the nearest help place of location (18.789643, 98.969758) and select "Hospital" category, in JSON form.	Fest get the nearest help place of coation (18.789643, 98.969758) and 947700", "address":"110 Suthep Rd, Mueang Chiang Mai, Chiang Mai, phoneNumber":"053-select "Hospital" category, in JSON Hospital", "longitude": 98.974209, "latitude": 18.789602}]

Pass/Fail	", Pass
Actual Result	{"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}]}

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}]

Pass/Fail	Pass
Actual Result	{"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}]}

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
-	Test get help place of ID= 1 and give rating score = 2	{"HelpplaceNewAverageRate":[{"id":1,"averageRate":3.5,"category":"Hospital","phoneNumb er":"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/Fail	Pass
Actual Result	{"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}]}