

Document History						
Document Name	Version	Status	Date	Viewable	Editable	Response
Promotion Provider_Test Plan_0.1	Promotion Provider_Test Plan_0.1 Added - Chapter 1 Introduction	Draft	15-07-2015	TS, NC, PS	TS, NC	TS
Promotion Provider_Test Plan_0.2	Promotion Provider_Test Plan_0.2 Added - Chapter 2 Test plan and test procedure	Draft	17-07-2015	TS, NC, PS	TS, NC	TS
Promotion Provider_Test Plan_0.3	Promotion Provider_Test Plan_0.3 Updated - Test procedure	Draft	25-07-2015	TS, NC, PS	TS, NC	TS
Promotion Provider_Test Plan_1.0	Promotion Provider_Test Plan_1.0 Updated - Test Case number	Approved	27-07-2015	TS, NC, PS	TS, NC	TS
Promotion Provider_Test Plan_1.1	Promotion Provider_Test Plan_1.0 Updated - Test Case	Approved	20-08-2015	TS, NC, PS	TS, NC	TS

Document Designed by

Tanawat Sitthitan
Nattakit Chaiwongsri
July 29, 2015

Document Approved by

Mr. Phudinan Singkhamfu
August 28, 2015

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	1 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

CONTENT

Chapter 1 Introduction	3
1.1 Purpose.....	3
1.2 Scope.....	3
1.3 Objective	3
1.4 Key Definition	3
Chapter 2 Test plan and Test procedure.....	5
2.1 Test Objectives.....	5
2.2 The scope of testing	5
2.3 Test Responsibility.....	5
2.4 Test Strategy	5
2.5 Result of testing	5
2.6 Test Environment.....	5
2.6.1 Hardware.....	5
2.6.2 Software	6
Chapter 3 Unit testing	7
3.1 Web server.....	7

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	2 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

CHAPTER 1 | INTRODUCTION

This test approach document describes the appropriate strategies, process, workflows and methodologies used to plan, organize, execute and manage testing of promotion provider.

1.1 Purpose

The purpose of Test Plan document describes the test plan for the promotion provider. In this document consists of the test cases, which have to test in each progress period. The system testing covers the URS to ensure that the failures are discovered and fixed in the system.

1.2 Scope

Test plan explains the unit testing activities to detect the failures of implemented methods in system. Also explains the system testing activities to verify consistency between test and URS.

1.3 Objective

The objective of test plan of Promotion Provider is to ensure all failures are discovered and fixed. Project can satisfy all of user's requirements and all of functions are consistently and reliability

1.4 Key Definition

- IEEE Institute for Electrical and Electronics Engineers. Biggest global interest group for engineers of different branches and for computer scientists. [IEEE90]
- Requirement (1) A condition or capability needed by a user to solve a problem or achieve an objective. (2) A condition or capability that must be met or possessed by a system or system component to satisfy a contract, standard, specification, or other formally imposed document. (3) A documented representation of a condition or capability as in definition (1) or (2). [IEEE90]
- Feature Transformation of input parameters to output parameters based on a specified algorithm. It describes the functionality of a product in the language of the product. Used for requirements analysis, design, coding, testing or maintenance.[IEEE90]
- Use Case (1) Concept to describe a system based on usage of system resources by its environment. Characterized by an objective set of

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	3 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

interactions within and at the borders of that system. (2) Notation from UML for describing a scenario (Usage approach, operational scenario) from the perspective of its users. [IEEE90]

- Web Application A computer software application that is coded in a browser supported and reliant on a common web browser to render the application executable.
- Software Engineering The application of a systematic, disciplined, quantifiable approach to the development, operation, and maintenance of software; that is, the application of engineering to software.” [IEEE90]
- Specification Precise description of an activity or work product which serves as basis or input for further activities or work product. A specification can comprise requirements to a product and how they will be solved. Different parts of a specification (e.g., what is to be done, how it will be done) must not be mixed.[IEEE90]

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	4 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

CHAPTER 2 | TEST PLAN AND TEST PROCEDURE

2.1 Test Objectives

The objectives of testing Promotion provider are:

1. All failures are discovered
2. All failures are fixed
3. All functions are covered requirements

2.2 The scope of testing

Promotion provider will test unit testing. Then, it will record the test result in test record

2.3 Test Responsibility

Item	Responsibility
Unit test	Tanawat
Unit test record	Tanawat

2.4 Test Strategy

Promotion provider tests strategy will be follow by:

1. Design test case for each method
2. Prepare test data for each method
3. Determine expected result for each method
4. Perform testing on individual method
5. Record result of testing
6. Store test file in project repository

2.5 Result of testing

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

1. Actual output: the actual output those are perform by each test case.
2. Pass/Fail criteria:
 - 2.1 Pass: the result of actual result is same like expected result
 - 2.2 Fail: the result of actual result is not same like expected result

2.6 Test Environment

2.6.1 Hardware

1. Laptop

- MacBook Pro (15-inch, Late 2011)
- Processor 2.2 GHz Intel Corei7
- Memory 8 GB 1600 MHz DDR3
- OS X Yosemite

2. Mobile

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	5 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

- iPhone 4s

2.6.2 Software

- PhpStrom 7.3.1
- Terminal 2.5.3 (343.7)
- Google Chrome 43.0.2357.132

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	6 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

CHAPTER 3 | UNIT TESTING

3.1 Web server

Class: AccountDAOImpl

Unit Test Case 1 (UTC01):

doLogin(email:String, password:String): AccountInfo

Description:

This test case is for evaluating the result of procedure when user log in to system. System will find matching email and password in database then return matched as AccountInfo object.

Test Data:

No.	Email	Password	Remark
1	admin1@gmail.com	1234	-
2	admin1@gmail.com	1111	Invalid password
3	test@wap.com	test	Invalid email and password
4	admin1	1234	Invalid email

Test Case:

Id	Description	Input	Expected result
1	Able to log in because matched email and password in database	Email : admin1@gmail.com, Password: 1234	Object(AccountInfo)[accountId: 2, email: admin@wap.com, password: 1234, role: admin, join_date: 2015-08-08 00:00:00, status: 1]
2	Unable to log in because password is not matched in database	Email : admin1@gmail.com, Password: 1111	null
3	Unable to log in because email and password is not exist in database	Email : test@wap.com, Password: test	null
4	Able to log in because email is not matched in database	Email : admin, Password: 1234	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	7 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: AccountDAOImpl

Unit Test Case 2 (UTC02):

addNewAccount(accountinfo:AccountInfo): Int

Description:

This test case is for evaluating the result of procedure when add new account into database then system will return account id from database

Test Data:

No.	Account Id	Email	Password	Role	Join date	Status	Remark
1	9	coffeesmith@gmail.com	1234	user	2015-08-08 13:10:47	1	-
2	10	ohyeah@gmail.com	1234	user	2015-08-08 13:10:47	1	-
3	11	whatttt@gmail.com	1234	user	2015-08-08 13:10:47	1	-

Test Case:

Id	Description	Input	Expected result
1	Add account data to data to database	accountId: null, Email: warmup@wap.com, Password: 1234, role: user, status: 1	Return ID: 6
2	Add account data to data to database	accountId: null, Email : hey@wap.com, Password: 1111, role: user, status: 1	Return ID: 7
3	Add account data to data to database	accountId: null, Email : ohman@wap.com, Password: 4321, role: user, status: 1	Return ID: 8

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	8 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: AccountDAOImpl

Unit Test Case 3 (UTC03):

getAccountById(id: Int): AccountInfo

Description:

This test case is for evaluating the result of procedure when gather account by using id. System will find account in database where id is equal to inputted id.

Test Data:

No.	Account Id	Remark
1	2	-
2	3	-
3	4	-
5	100	Invalid id

Test Case:

Id	Description	Input	Expected result
1	Can gather account data from database because there is account that has id equal to 1	accountId: 2	Object(AccountInfo)[accountId: 10, email: admin1@wap.com, password: 81dc9bdb52d04dc20036dbd8313ed055, role: admin, join_date: 2015-06-19, status: 1]
2	Can gather account data from database because there is account that has id equal to 2	accountId: 3	Object(AccountInfo)[accountId: 10, email: admin2@wap.com, password: 81dc9bdb52d04dc20036dbd8313ed055, role: admin, join_date: 2015-06-19, status: 1]
3	Cannot gather account data from database because there is no account that has id equal to 28	accountId: 4	Object(AccountInfo)[accountId: 10, email: admin3@wap.com, password: 81dc9bdb52d04dc20036dbd8313ed055, role: admin, join_date: 2015-06-19, status: 1]
4	Cannot gather account data from database because there is no account that has id equal to 69	accountId: 100	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	9 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: AccountDAOImpl

Unit Test Case 4 (UTC04):

getAccountByEmail(email:String): AccountInfo

Description:

This test case is for evaluating the result of procedure when gather account by using email. System will find account in database where email is equal to inputted email.

Test Data:

No.	Email	Remark
1	admin1@gmail.com	-
2	admin2@gmail.com	-
4	wishmeluck@gmail	Invalid email
5	admin	Invalid email

Test Case:

Id	Description	Input	Expected result
1	Can gather account data from database because there is account that has email equal to inputted email	Email : admin1@gmail.com	Object(AccountInfo)[accountId: 2, email: admin1@gmail.com, password: c09e487ab20c68cdc5c21dce226b0426, role: admin, join_date: 2015-08-08 00:00:00, status: 1]
2	Can gather account data from database because there is account that has email equal to inputted email	Email : admin2@gmail.com	Object(AccountInfo)[accountId: 3, email: admin2@wap.com, password: 81dc9bdb52d04dc20036dbd8313ed055, role: admin, join_date: 2015-08-08 00:00:00, status: 1]
3	Cannot gather account data from database because there is account that has no email equal to inputted email	Email : wishmeluck@gmail	null
4	Cannot gather account data from database because there is account that has no email equal to inputted email	Email : admin	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	10 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: AccountDAOImpl

Unit Test Case 5 (UTC05):

getAllAccount(): List<AccountInfo>

Description:

This test case is for evaluating the result of procedure when gather all account. System will show all account in database. In this test case, we use number of data in account table to evaluate result.

Test Data:

-

Test Case:

Id	Description	Input	Expected result
1	Can gather all account data from database and number of data is correct	-	9

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	11 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: AccountDAOImpl

Unit Test Case 6 (UTC06):

changePassword (id:int, password:String): Boolean

Description:

This test case is for evaluating the result of procedure when user change password. System will update new password into database and return number of updated row from database.

Test Data:

No.	Account Id	Password	Remark
1	1	1111	-
2	2	1111	-
3	100	1234	Invalid Id
4	-4100	4444	Invalid Id

Test Case:

Id	Description	Input	Expected result
1	Can change password	accountId: 1, Password: 4411	1
2	Can change password	accountId: 2, Password: 6589	1
3	Cannot change password because invalid id	accountId: 100, Password: 1234	0
4	Cannot change password because invalid id	accountId: -100, Password: 4444	0

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	12 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: AccountDAOImpl

Unit Test Case 7 (UTC07):

deleteAccount(id:int): int

Description:

This test case is for evaluating the result of procedure when delete account from database then system will return number of deleted row (1).

Test Data:

No.	Account Id	Remark
1	2	-
2	3	-
4	4	-
5	100	Invalid Id

Test Case:

Id	Description	Input	Expected result
1	Can delete account from database	accountId: 2	1
2	Can delete account from database	accountId: 3	1
3	Can delete account from database	accountId: 4	1
4	Cannot delete account from database because invalid account id	accountId: 100	0

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	13 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 8 (UTC08):

addNewPromotion(promotion:Promotion): int

Description:

This test case is for evaluating the result of procedure when add new promotion into database then system will return promotion id.

Test Data:

No.	Shop Id	Name	Description	Shared	Start Date	End Date	Status	Remark
1	6	Friday special !!	Breakfast buffet 150.- for each	0	2015-07-23	2015-07-31	1	-
2	7	Get a FREE order of Dog pretzel	with the purchase of a Green mint mocha	0	2015-08-01	2015-08-09	1	-
3	8	Show student card for a special 10% discount	Not to be used in conjunction with other voucher	0	2015-08-18	2015-09-09	1	-
4	100	FREE coffee or tea	3pm – 6pm (Everyday) With any order on our menu + dessert menu	0	2015-07-28	2015-09-28	1	Invalid shop id

Test Case:

Id	Description	Input	Expected result
1	Can add new promotion into database	shopId: 6, name: Friday special !!, description: Breakfast buffet 150.- for each, shared: null, startDate: 2015-07-23, endDate: 2015-07-31, status: 1,	1
2	Can add new promotion into database	shopId: 7, name: Get a FREE order of Dog pretzel, description: with the purchase of a Green mint mocha, shared: null, startDate: 2015-08-01, endDate: 2015-08-09, status: 1,	2
3	Can add new promotion into database	shopId: 8, name: Show student card for a special 10% discount, description: Not to be used in	3

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	14 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

		conjunction with other voucher, shared: null, startDate: 2015-08-18, endDate: 2015-09-09, status: 1,	
4	Cannot add promotion because invalid shop id	shopId: 100, name: FREE coffee or tea, description: 3pm – 6pm (Everyday) With any order on our menu + dessert menu, shared: null, startDate: 2015-07-28, endDate: 2015-09-28, status: 1,	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	15 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 9 (UTC09):

deletePromotionByPromotionId(id:int): int

Description:

This test case is for evaluating the result of procedure when delete promotion by using promotion id then system will return number of deleted row.

Test Data:

No.	Promotion Id	Remark
1	1	-
2	2	-
3	33	Invalid promotion Id

Test Case:

Id	Description	Input	Expected result
1	Can delete promotion information by using promotion id	id: 1	1
2	Can delete promotion information by using promotion id	id: 2	1
3	Cannot delete promotion information cause of invalid promotion id	id: 33	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	16 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 10 (UTC10):

deletePromotionByShopId(shopId:int): int

Description:

This test case is for evaluating the result of procedure when delete promotion by using shop id then system will return number of deleted row.

Test Data:

No.	Promotion Id	Remark
1	6	-
2	7	-
3	1004	No this shop Id

Test Case:

Id	Description	Input	Expected result
1	Can delete promotion information by using promotion id	shopId: 6	1
2	Can delete promotion information by using promotion id	shopId: 7	3
3	Cannot delete promotion information cause of no shop id in database	shopId: 1004	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	17 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 11 (UTC11):

getAllPromotion(): List<Promotion>

Description:

This test case is for evaluating the result of procedure when gather all promotion in database then system will return list of promotion.

Test Data:

-

Test Case:

Id	Description	Input	Expected result
1	Can gather all promotion from database	-	5

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	18 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 12 (UTC12):

getPromotionById(id:int): Promotion

Description:

This test case is for evaluating the result of procedure when gather promotion by using promotion id then system will return promotion information.

Test Data:

No.	Id	Remark
1	1	-
2	2	-
3	33	Invalid id

Test Case:

Id	Description	Input	Expected result
1	Can gather promotion information by using promotion id	id: 1	Object(Promotion)[id: 1, shop_id: 6, name: Friday special, description: Breakfast buffet 150.- for each, shared: null, start_date: 2015-07-23, end_date: 2015-07-31, status: 1]
2	Can gather promotion information by using promotion id	id: 2	Object(Promotion)[id: 1, shop_id: , name: Get a FREE order of Dog pretzel, description: with the purchase of a Green mint mocha, shared: null, start_date: 2015-08-01, end_date: 2015-08-09, status: 1]
3	Cannot gather promotion information cause of invalid promotion id	id: 33	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	19 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 13 (UTC13):

editPromotion(promotion:Promotion): int

Description:

This test case is for evaluating the result of procedure when edit promotion information then system will update promotion information into database.

Test Data:

No.	Promotion id	Promotion name	Description	Start Date	End Date	Remark
1	1	Friday special	with the purchase of a beverage menu	2015-08-01	2015-08-09	-
2	2	Get a FREE order of Dog pretzel	Not to be used in conjunction with other voucher	2015-08-18	2015-09-09	-
3	90	FREE coffee or tea	3pm – 6pm (Everyday) With any order on our menu + dessert menu	2015-07-28	2015-08-28	Invalid promotion id

Test Case:

Id	Description	Input	Expected result
1	Can edit promotion description from “Breakfast buffet 150.- for each” to “with the purchase of a beverage menu”	name: Get a FREE order of Dog pretzel, description: with the purchase of a beverage menu, startDate: 2015-08-01, endDate: 2015-08-09	1
2	Can edit promotion name from “with the purchase of a Green mint mocha” to “Show student card for a special 15% discount”	name: Show student card for a special 15% discount, description: Not to be used in conjunction with other voucher, startDate: 2015-08-18, endDate: 2015-09-09	1
3	Cannot edit promotion information cause of invalid end date	name: FREE coffee or tea, description: 3pm – 6pm (Everyday) With any order on our menu + dessert menu, startDate: 2015-07-28, endDate: 2015-08-28	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	20 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionDAOImpl

Unit Test Case 14 (UTC14):

getPromotionByShopId(id:int): List<Promotion>

Description:

This test case is for evaluating the result of procedure when gather promotion by using shop id then system will return list of promotion.

Test Data:

No.	Shop Id	Remark
1	6	-
2	8	This account has no promotion
3	253	Invalid id

Test Case:

Id	Description	Input	Expected result
1	Can gather list of promotion by using shop id	id: 3	Number promotion: 2
2	Can gather list of promotion by using shop id	id: 45	null
3	Cannot gather list of promotion by using shop id cause of invalid id	id: #23	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	21 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionImageDAOImpl

Unit Test Case 15 (UTC15):

addImage(promotionImage:PromotionImage): int

Description:

This test case is for evaluating the result of procedure when add new promotion image into database then system will return promotion id.

Test Data:

No.	Promotion Id	Image Path	Add Date	Remark
1	1	user_upload/16/shop_images/amazon.jpg	2015-07-23 15:11:24	-
2	1	user_upload/16/shop_images/sale.jpg	2015-07-23 15:11:24	-
3	2	user_upload/21/shop_images/wanilla.jpg	2015-07-23 18:41:32	-
4	100	user_upload/100/shop_images/latte.jpg	2015-07-23 18:45:52	Invalid promotion id

Test Case:

Id	Description	Input	Expected result
1	Can add new promotion image into database	Promotion_id: 16, Image_path: user_upload/16/shop_images/amazon.jpg, add_date: 2015-07-23 15:11:24	1
2	Can add new promotion image into database	Promotion_id: 16, Image_path: user_upload/16/shop_images/sale.jpg, add_date: 2015-07-23 15:11:24	2
3	Can add new promotion image into database	Promotion_id: 21, Image_path: user_upload/21/shop_images/wanilla.jpg, add_date: 2015-07-23 18:41:32	3
4	Cannot add new promotion image into database cause of invalid promotion id	Promotion_id: 100, Image_path: user_upload/100/shop_images/ latte.jpg, add_date: 2015-07-23 18:45:52	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	22 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionImageDAOImpl

Unit Test Case 16 (UTC16):

getImageByPromotionId(prmotionId:int): List<PromotionImage>

Description:

This test case is for evaluating the result of procedure when gather promotion image by using promotion id then system will return list of promotion image.

Test Data:

No.	Promotion Id	Remark
1	1	-
2	2	-
3	3	This promotion has no image
4	100	Invalid promotion id

Test Case:

Id	Description	Input	Expected result
1	Can gather promotion image from database	Promotion_id: 1	Number of promotion image: 2
2	Can gather promotion image from database	Promotion_id: 2	Number of promotion image: 1
3	Can gather promotion image from database	Promotion_id: 3	null
4	Cannot gather promotion image from database, invalid promotion id	Promotion_id: 100	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	23 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionImageDAOImpl

Unit Test Case 17 (UTC17):

getImageById(id:int): PromotionImage

Description:

This test case is for evaluating the result of procedure when gather promotion image by using image id then system will return promotion information.

Test Data:

No.	Id	Remark
1	2	-
2	6	-
3	1009	No image id
4	#3	Invalid image id

Test Case:

Id	Description	Input	Expected result
1	Can gather promotion image from database	id: 1	Object(PromotionImage)[id: 1, promotion_id 1: , Image_path: : user_upload/16/shop_images/amazon.jpg, add_date: 2015-07-23 15:11:24]
2	Can gather promotion image from database	id: 2	Object(PromotionImage)[id: 1, promotion_id 1: , Image_path: : user_upload/16/shop_images/sale.jpg, add_date: 2015-07-23 15:11:24]
3	Cannot gather promotion image from database, no promotion image id	id: 1009	null
4	Cannot gather promotion image from database, invalid promotion image id	id: 103	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	24 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionImageDAOImpl

Unit Test Case 18 (UTC18):

deleteImageByPromotionId(promotionId:int): int

Description:

This test case is for evaluating the result of procedure when delete image by using promotion id then system will return number of deleted row.

Test Data:

No.	Promotion Id	Remark
1	1	-
2	2	-
3	19	Invalid promotion id
4	23	Invalid promotion id

Test Case:

Id	Description	Input	Expected result
1	Can delete promotion image from database	promotion_id: 1	2
2	Can delete promotion image from database	promotion_id: 2	1
3	Can delete promotion image from database	promotion_id: 19	null
4	Can delete promotion image from database, invalid promotion id	promotion_id: 23	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	25 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: PromotionImageDAOImpl

Unit Test Case 19 (UTC19):

deleteImageById(promotionId:int): int

Description:

This test case is for evaluating the result of procedure when delete image by using image id then system will return number of deleted row.

Test Data:

No.	Image Id	Remark
1	1	-
2	2	-
3	100	Invalid promotion id
4	80	Invalid promotion id

Test Case:

Id	Description	Input	Expected result
1	Can delete promotion image from database	id: 1	1
2	Can delete promotion image from database	id: 2	1
3	Can delete promotion image from database, no promotion id	id: 100	null
4	Can delete promotion image from database, invalid promotion id	id: 80	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	26 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopImageDAOImpl

Unit Test Case 20 (UTC20):

addImage(shopImage:ShopImage): int

Description:

This test case is for evaluating the result of procedure when add shop image into database. System will return image id.

Test Data:

No.	Shop Id	Image Path	Add Date	Remark
1	6	user_upload/6/shop_images/cookies.png	2015-07-03	-
2	7	Xxxasdad34234	2015-07-03	-
3	78	user_upload/6/shop_images/cookies.png	2015-07-03	Invalid shop id
4	100	user_upload/6/shop_images/cookies.png	2015-07-03	Invalid shop id

Test Case:

Id	Description	Input	Expected result
1	Can add new shop image into database	Shop id: 6, Image path: user_upload/6/shop_images/cookies.png, add date: 2015-07-03	1
2	Can add new shop image into database	Shop id: 6, Image path: Xxxasdad34234, add date: 2015-07-03	1
3	Cannot add new shop image into database because invalid shop id	Shop id: 6, Image path: user_upload/6/shop_images/cookies.png, add date: 2015-07-03	null
4	Cannot add new shop image into database because invalid shop id	Shop id: 6, Image path: user_upload/6/shop_images/cookies.png, add date: 2015-07-03	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	27 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopImageDAOImpl

Unit Test Case 21 (UTC21):

deleteImageByShopId(shopId:int): int

Description:

This test case is for evaluating the result of procedure when delete shop image from database by using shop id. System will return number of deleted row.

Test Data:

No.	Shop Id	Remark
1	6	-
2	7	-
3	100	Invalid shop id
4	2885	Invalid shop id

Test Case:

Id	Description	Input	Expected result
1	Can delete shop image from database by using shop id	shopId: 6	1
2	Can delete shop image from database by using shop id	shopId: 7	1
3	Can delete shop image from database by using shop id	shopId: 100	null
4	Cannot delete shop image cause of no shop id in database	shopId: 2885	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	28 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopImageDAOImpl

Unit Test Case 22 (UTC22):

getImageByAccountId(accountId:int): List<ShopImage>

Description:

This test case is for evaluating the result of procedure when get shop image from database by using account id then system will return list of shop image.

Test Data:

No.	Account Id	Remark
1	6	-
2	7	-
3	8	This id has no image
4	250	Invalid shop id

Test Case:

Id	Description	Input	Expected result
1	Can gather image from database by using account id	6	Number of ShopImage: 2
2	Can gather image from database by using account id	7	Number of ShopImage: 1
3	Cannot gather image from database because this account id has no image	8	null
4	Cannot gather image from database because account id is invalid	250	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	29 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopImageDAOImpl

Unit Test Case 23 (UTC23):

deleteImageById(id:int): int

Description:

This test case is for evaluating the result of procedure when delete shop image from database by using image id. System will return number of deleted row.

Test Data:

No.	Id	Remark
1	1	-
2	2	-
3	100	Invalid image id
4	250	Invalid image id

Test Case:

Id	Description	Input	Expected result
1	Can delete shop image from database by using id	id: 1	1
2	Can delete shop image from database by id	id: 2	1
3	Can delete shop image from database by id	id: 100	null
4	Cannot delete shop image cause of invalid image id	id: 250	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	30 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopImageDAOImpl

Unit Test Case 24 (UTC24):

getImageById(id:int): ShopImage

Description:

This test case is for evaluating the result of procedure when gather shop image from database by using image id then system will return shop image information.

Test Data:

No.	Id	Remark
1	1	-
2	2	-
3	85	Invalid id
4	100	Invalid id

Test Case:

Id	Description	Input	Expected result
1	Can gather image from database by using image id	id: 1	Object(ShopImage) [id: 1, shop_id:6 , image_path: user_upload/6/shop_images/cookies.png, added_date:]
2	Can gather image from database by using image id	id: 2	Object(ShopImage) [id: 1, shop_id: 6, image_path: user_upload/6/shop_images/bg.png , added_date:]
3	Can gather image from database by using image id	id: 85	null
4	Cannot gather image from database cause of invalid id	id: 100	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	31 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopInformationDAOImpl

Unit Test Case 25 (UTC25):

addNewShopInformation(shopInformation:ShopInformation): int

Description:

This test case is for evaluating the result of procedure when add new shop information into database then system will return number of shop id.

Test Data:

No.	1	2	3	4
Account Id	10	11	12	100
Name	Oh yeah	Hello	Coffee Smith	Test add
Address	40 Nimmarnhem Rd., T.Suthep, A.Muang,, Chiang Mai, 50200	41 Nimmarnhem Rd., T.Suthep, A.Muang,, Chiang Mai, 50200	42 Nimmarnhem Rd., T.Suthep, A.Muang,, Chiang Mai, 50200	43 Nimmarnhem Rd., T.Suthep, A.Muang,, Chiang Mai, 50200
Phone Number	053 400 888	053 545 676	053 434 676	053 656 676
Sub District	1	2	3	4
Latitude	18.7951095	18.7951095	18.7951095	18.7951095
Longitude	98.9650533	98.9650533	98.9650533	98.9650533
Open Time	Every day	Everyday	6.00 - 12.00	All time no close
Description	This is description	This is description	This is description	This is description
Category	null	null	null	null
Remark	-	-	-	Invalid account id

Test Case:

Id	Description	Input	Expected result
1	Can add new shop information into database	accounts_id: 10, name: Oh yeah, address: 40 Nimmarnhem Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 400 888, sub_district: 1, latitude: 18.7951095, longitude: 98.9650533, open_time: Every day, description: This is description, category: null	10
2	Can add new shop information into database	accounts_id: 11, name: Hello, address: 41 Nimmarnhem Rd., T.Suthep, A.Muang,, Chiang Mai, 50200,	11

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	32 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

		phone_number: 053 545 676, sub_district: 2, latitude: 18.7951095, longitude: 98.9650533, open_time: Everyday, description: This is description, category: null	
3	Can add new shop information into database	accounts_id: 12, name: Coffee Smith, address: 42 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 434 676 , sub_district: 3, latitude: 18.7951095, longitude: 98.9650533, open_time: 6.00 - 12.00, description: This is description, category: null	12
4	Cannot add new shop information into database because invalid account id	accounts_id: 100, name: Test add, address: 43 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 656 676, sub_district: 4, latitude: 18.7951095, longitude: 98.9650533, open_time: All time no close, description: This is description, category: null	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	33 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopInformationDAOImpl

Unit Test Case 26 (UTC26):

deleteShopInformation(id:int): int

Description:

This test case is for evaluating the result of procedure when delete shop information from database by using id then system will return number of deleted row.

Test Data:

No.	Id	Remark
1	10	-
2	11	-
3	12	-
4	100	Invalid id

Test Case:

Id	Description	Input	Expected result
1	Can delete shop information from database	10	1
2	Can delete shop information from database	11	1
3	Can delete shop information from database	12	1
4	Cannot delete shop information from database because invalid id	100	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	34 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopInformationDAOImpl

Unit Test Case 27 (UTC26):

editShopInformation(shopInformation:ShopInformation): int

Description:

This test case is for evaluating the result of procedure when edit shop information then system will update and return shop id.

Test Data:

No.	1	2	3	4
Account Id	10	11	12	100
Name	Hiii	Hey yo	Coffee Smith nimman	Warm up cafe
Address	40 Nimmanhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200	41 Nimmanhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200	42 Nimmanhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200	43 Nimmanhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200
Phone Number	053 400 888	053 545 676	053 434 676	053 656 676
Sub District	1	2	3	4
Latitude	18.7951095	18.7951095	18.7951095	18.7951095
Longitude	98.9650533	98.9650533	98.9650533	98.9650533
Open Time	Every day	Everyday	6.00 - 12.00	All time no close
Description	This is description	This is description	This is description	This is description
Category	null	null	null	null
Remark	-	-	-	Invalid account id

Test Case:

Id	Description	Input	Expected result
1	Can add new shop information into database	accounts_id: 10, name: Hiii, address: 40 Nimmanhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 400 888, sub_district: 1, latitude: 18.7951095, longitude: 98.9650533, open_time: Every day, description: This is description, category: null	1
2	Can add new shop information into database	accounts_id: 11, name: Hey yo, address: 41 Nimmanhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 545	1

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	35 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

		676, sub_district: 2, latitude: 18.7951095, longitude: 98.9650533, open_time: Everyday, description: This is description, category: null	
3	Can add new shop information into database	accounts_id: 12, name: Coffee smith nimman, address: 42 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 434 676 , sub_district: 3, latitude: 18.7951095, longitude: 98.9650533, open_time: 6.00 - 12.00, description: This is description, category: null	1
4	Cannot add new shop information into database because invalid account id	accounts_id: 100, name: Warm up cafe, address: 43 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 656 676, sub_district: 4, latitude: 18.7951095, longitude: 98.9650533, open_time: All time no close, description: This is description, category: null	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	36 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopInformationDAOImpl

Unit Test Case 28 (UTC28):

getAllShopInformation(): List<shopInformation>

Description:

This test case is for evaluating the result of procedure when gather all shop information then system will return list of shop information.

Test Data:

-

Test Case:

Id	Description	Input	Expected result
1	Can gather all shop information from database	-	Number of shop information in database: 5

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	37 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

Class: ShopInformationDAOImpl

Unit Test Case 29 (UTC29):

getShopInformationById(id:int): ShopInformation

Description:

This test case is for evaluating the result of procedure when gather shop information from database by using shop id then system will return shop information.

Test Data:

No.	Id	Remark
1	10	-
2	11	-
3	12	-
4	100	Invalid id

Test Case:

Id	Description	Input	Expected result
1	Can gather shop information by using shop id	10	Object(ShopInformation) [accounts_id: 10, name: Hiii, address: 40 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 400 888, sub_district: 1, latitude: 18.7951095, longitude: 98.9650533, open_time: Every day, description: This is description, category: null]
2	Can gather shop information by using shop id	11	Object(ShopInformation) [accounts_id: 11, name: Hey yo, address: 41 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200, phone_number: 053 545 676, sub_district: 2, latitude: 18.7951095, longitude: 98.9650533, open_time: Everyday, description: This is description, category: null]
3	Can gather shop information by using shop id	12	Object(ShopInformation) [accounts_id: 100, name: Warm up cafe, address: 43 Nimmarnhemin Rd., T.Suthep, A.Muang,, Chiang Mai, 50200,

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	38 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015

			phone_number: 053 656 676, sub_district: 4, latitude: 18.7951095, longitude: 98.9650533, open_time: All time no close, description: This is description, category: null]
4	Can gather shop information by using shop id	100	null

Document Name	Promotion Provider_Test Plan_1.0	Owner	Project Team	Page	39 / 39
Document Type	Test Plan	Release Date	29 July 2015	Print Date	28 August 2015