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Document Designed by

Tanawat Sitthitan
Nattakit Chaiwongsri
July 29, 2015

Document Approved by

_____

Mr. Phudinan Singkhamfu

July 29, 2015

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Chapter1 | Introduction

1.1 Purpose

The purpose of software requirement specification is used to describe the operation of software that will be developed by developers. Software requirement specification will be an agreement between developers and stakeholder. This document is provided for the users and developers to explicit understand the detail of each requirement. The purpose of Promotion Provider, we aim to provide people the easiest way to search for restaurants to go. The project will focus exclusively on the providing promotion and notification when the user gets closer than 20 meters. Also, the SRS document is used in the software design phase, which is lead to consistency between the software product and functional requirement.

1.2 Intended Audience and Reading Suggestions

This Software Requirement specification (SRS) is intended to use for:

1. Developer can read and understand how Promotion Provider works and they can use this document to help them in implementation phrase easier.
2. Customer can read and understand the overall of the system by this document.
3. User can use this document to understanding how use the software and all features.
4. This document using to be a reference for testing system.

1.3 Software Scope

Promotion Provider is an application on iOS platform. We develop this application for letting user know the special offer. It can provide a much needed restaurant, and help user to get direction to the restaurant. It is also the simply way to find which restaurant has a promotion. It can help the users make a decision which restaurant is the most appropriate one to go, and it also help saving time that may be wasted during the process of searching for the place. The scope of software has controlled by the user requirements.

1.4 Operation Environment

Promotion Provider support only iOS7 on device IPhone4 and iPhones 5, iPod touch. This application is not available without Internet connection and GPS may not accurate in the rainy day.

1.5 Definition, Acronyms and Abbreviation

1.5.1 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 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]

1.5.2 Keys Acronyms and Abbreviations

Key Acronyms	Abbreviation
IEEE	Institute of Electrical and Electronics Engineers
UC-WSXX	Use Case Diagram web service number XX
UC-MAXX	Use Case Diagram Mobile Application number XX
SRS-XX	Software Requirement Specification number XX
URS-XX	User Requirement Specification number XX
UI	User Interface
UC	Use case Diagram
AD	Activity Diagram

Chapter 2 | Overall Description & Requirement

2.1 Product Perspective

Promotion Provider is an application on iOS platform. This application allows a user conveniently find a special offer or promotion from the restaurant or hotel, as well as get the notification while the user gets close to the restaurant. It also provides the route and distance to the restaurant. It will advise a famous restaurant to the user without any typing. It can receive information from the owners who want to promote their business. It can receive feedback and review from the user. The user allows to share and check in to show their friend. We will develop this application to be guidance for the tourist who use iPhones and is controlled the quality of software following the ISO29110.

2.2 Product Features

This section is outlines all functions of Promotion Provider.

2.2.1 Web Server

Web server provided shops, promotions to iOS application. Administrator can manage all information included shops and promotions. Shop owners can manage their own promotions and their own account.

Admin able to:

- Log in
- Log out
- Manage account
    - Add account
    - Edit account
    - Delete account
- Manage Promotion
    - Add promotion
    - Edit promotion
    - Delete promotion
- Accept register request
- Reject register request
- Search
    - Search account by shop name
    - Search account by email
    - Search account by id
    - Search promotion by name
    - Search promotion by id

        - Search promotion by shop name
        - Search user's logs by function
        - Search user's logs by shop name
        - Search user's logs by email
    - View
        - Shop list
        - Promotion list
        - Shop information
        - Promotion information
        - User's action logs
        - Redeem code list
        - Redeem code information
        - Mobile user list
        - Mobile user information
    - Change password

Shop owner able to:

- Log in
- Log out
- Mange promotion
    - Add promotion
    - Edit promotion
    - Delete promotion
- Change password
- Submit redeem code

Guest able to:

- Sent register request

2.3 User Class and Characteristics

Promotion Provider is an iOS mobile application on iPhone, it provides the promotions for users. Admin should be able to manage all information on web server. Shop owner should be able to create promotions on the web server. Mobile user should be received a notification when they get close enough to the restaurant where has the promotion.

2.4 Constraints

- CO-01: The web server cannot provides information to mobile application without internet connection.
- CO-02: Mobile application supports iOS7 or later on device iPhone4 and iPhone5, iPhone 6 and iPod touch.

- CO-03: Mobile application not available without Internet connection.
- CO-04: Mobile application requires to turn on location service on the user mobile for identifying the user location.

Chapter 3 | Functional Requirement

3.1 User Requirement Specification

3.1.1 Administration (Web Server)

- **URS-01:** Admin can login to web server
- **URS-02**: Admin can logout from web server
- **URS-03**: Admin can add shop owner account
- **URS-04**: Admin can edit shop owner account
- **URS-05**: Admin can delete shop owner account
- **URS-06**: Admin can add promotion to shop owner
- **URS-07**: Admin can edit shop owner promotion
- **URS-08**: Admin can delete shop owner promotion
- **URS-09**: Admin can accept register request
- **URS-10**: Admin can reject register request
- **URS-11**: Admin can view account list
- **URS-12**: Admin can view account information
- **URS-13**: Admin can view promotion list
- **URS-14**: Admin can view promotion information
- **URS-15**: Admin can view user logs
- **URS-16**: Admin can view redeem code list
- **URS-17**: Admin can view redeem code information
- **URS-18**: Admin can view mobile user list
- **URS-19**: Admin can view mobile user information
- **USR-20**: Admin can search account by shop name
- **URS-21**: Admin can search account by email
- **URS-22**: Admin can search account by id
- **URS-23**: Admin can search promotion by name
- **URS-24**: Admin can search promotion by id
- **URS-25**: Admin can search promotion by shop name
- **URS-26**: Admin can search logs by function
- **URS-27**: Admin can search logs by shop name
- **URS-28**: Admin can search logs by email
- **URS-29**: Admin can change password

3.1.2 Shop owner (Web Server)

- **URS-30**: Shop owner can add promotion

- **URS-31**: Shop owner can edit promotion
- **URS-32**: Shop owner can delete promotion
- **URS-33**: Shop owner can update their profile
- **URS-34**: Shop owner can change password
- **URS-35**: Shop owner can log in to web server
- **URS-36**: Shop owner can log out from web server
- **URS-37**: Shop owner can submit redeem code
- **URS-38**: Shop owner can view promotion list
- **URS-39**: Shop owner can promotion information

3.1.3 Guest (Web Server)

- **URS-40**: Guest can sent register request

3.2 System requirement specification

- **SRS-01**: The system shall provides user interface to log in.
- **SRS-02**: The system shall verifies email and password.
- **SRS-03**: The system shall keeps user's session.
- **SRS-04**: The system shall destroys session.
- **SRS-05**: The system shall provides user interface to logout.
- **SRS-06**: The system shall provides add account user interface to add new shop owner account.
- **SRS-07**: The system shall checks not available email in database.
- **SRS-08**: The system shall provides user interface to delete shop owner
- **SRS-09**: The system shall provides user interface to delete promotion
- **SRS-10**: The system shall provides user interface to accept register request
- **SRS-11**: The system shall checks all input required.
- **SRS-12**: The system shall records new account into database.
- **SRS-13**: The system shall provides edit account page to edit shop owner account.
- **SRS-14**: The system shall updates new input information to database.
- **SRS-15**: The system shall verifies redeem code
- **SRS-16**: The system shall provides user list.
- **SRS-17**: The system shall updates account status.
- **SRS-18**: The system shall provides add promotion user interface to add new promotion.
- **SRS-19**: The system shall checks consistency between start date and end date.
- **SRS-20**: The system shall checks all input required.
- **SRS-21**: The system shall records new promotion into database.
- **SRS-22**: The system shall provides edit promotion user interface to edit promotion.
- **SRS-23**: The system shall provides promotion list.
- **SRS-24**: The system shall updates promotion status.

- **SRS-25**: The system shall creates a directory for account
- **SRS-26**: The system shall creates a sub directory for profile
- **SRS-27**: The system shall uploads image to directory.
- **SRS-28**: The system shall gets file path.
- **SRS-29**: The system shall creates a sub directory for promotion
- **SRS-30**: The system shall removes image in directory.
- **SRS-31**: The system shall checks there is no image in directory
- **SRS-32**: The system shall removes directory
- **SRS-33**: The system shall removes image path in database.
- **SRS-34**: The system shall updates user interface
- **SRS-35**: The system shall records user action in database
- **SRS-36**: The system shall selects data from database
- **SRS-37**: The system shall return account list
- **SRS-38**: The system shall updates register request status
- **SRS-39**: The system shall provides user interface to reject register request
- **SRS-40**: The system shall gets data from database
- **SRS-41**: The system shall provides user interface to show account list
- **SRS-42**: The system shall provides user interface to show account information
- **SRS-43**: The system shall provides user interface to show promotion list
- **SRS-44**: The system shall provides user interface to show promotion information
- **SRS-45**: The system shall provides user interface to show user logs
- **SRS-46**: The system shall provides user interface to show redeem code list
- **SRS-47**: The system shall provides user interface to show redeem code information
- **SRS-48**: The system shall provides user interface to show mobile user list
- **SRS-49**: The system shall provides user interface to show mobile user information
- **SRS-50**: The system shall finds account by shop name in database
- **SRS-51**: The system shall finds account by shop email in database
- **SRS-52**: The system shall finds account by shop id in database
- **SRS-53**: The system shall return promotion list
- **SRS-54**: The system shall finds promotion by name in database
- **SRS-55**: The system shall finds promotion by id in database
- **SRS-56**: The system shall finds promotion by shop name in database
- **SRS-57**: The system shall finds logs by function in database
- **SRS-58**: The system shall find slogs by shop name in database
- **SRS-59**: The system shall return logs list
- **SRS-60**: The system shall finds logs by email in database
- **SRS-61**: The system shall verifies password and confirm password
- **SRS-62**: The system shall deducts mobile user redeem point
- **SRS-63**: The system shall updates redeem code status
- **SRS-64**: The system shall provide register request page to send request to register.
- **SRS-65**: The system shall records new request into database.

3.3 User Requirement Specification with System Requirement Specification.

3.3.1 Administration (Web Server)

URS-01: Admin can login to web server

Admin can log in to system by input email and password. The operations in system mostly required to log in to identify user role and user information.

SRS-01: The system shall provides user interface to log in.
SRS-02: The system shall verifies email and password.
SRS-03: The system shall keeps user's session.

URS-02: Admin can logout from web server

Admin can log out from server. When the admin log out they can't do anything with system

SRS-05: The system shall provides user interface to logout.
SRS-04: The system shall destroys session.

URS-03: Admin can add shop owner account

Admin can add or create shop owner account to system. Admin have to input shop owner information to the system. After admin completed add shop owner account, that account will allowed to log in to system.

SRS-06: The system shall provides add account page to add new shop owner account.
SRS-07: The system shall checks not available email in database.
SRS-25: The system shall creates a directory for account
SRS-26: The system shall creates a sub directory for profile
SRS-27: The system shall upload image to directory.
SRS-28: The system shall gets file path.
SRS-11: The system shall checks all input required.
SRS-12: The system shall records new account into database.

URS-04: Admin can edit user account

Admin can edit user account in system by update existing information or input new information. Email is the only one information that can not be changed.

SRS-13: The system shall provides edit account page to edit user account.
SRS-11: The system shall checks all input required.
SRS-14: The system shall updates new input information to database.

URS-05: Admin can delete user account

Admin can delete unwanted account in system. After admin deleted account, the account will not allowed to login to system anymore and account can't do any thing with system.

SRS-08: The system shall provides user interface to delete user

SRS-30: The system shall removes image in directory.
SRS-31: The system shall checks there is no image in directory
SRS-32: The system shall removes directory
SRS-33: The system shall removes image path in database.
SRS-17: The system shall updates account status.
SRS-34: The system shall update user interface

URS-06: Admin can add promotion to shop owner

Admin can add promotion to shop owner account. Admin have to input promotion information. When admin has added promotion to shop owner account, the promotion will appear in shop owner promotion.

SRS-18: The system shall provides add promotion user interface to add new promotion.
SRS-19: The system shall checks consistency between start date and end date.
SRS-29: The system shall creates a sub directory for promotion
SRS-27: The system shall upload image to directory.
SRS-28: The system shall gets file path.
SRS-20: The system shall checks all input required.
SRS-21: The system shall records new promotion into database.

URS-07: Admin can edit shop owner promotion

Admin can edit shop owner promotion in system by update existing information or input new information.

SRS-22: The system shall provides edit promotion user interface to edit promotion.
SRS-19: The system shall checks consistency between start date and end date.
SRS-20: The system shall checks all input required.
SRS-21: The system shall records new promotion into database.

URS-08: Admin can delete shop owner promotion

Admin can delete unwanted promotion in shop owner account. When promotion has been deleted, it will disappear from shop owner account.

SRS-09: The system shall provides user interface to delete promotion
SRS-30: The system shall removes image in directory.
SRS-31: The system shall checks there is no image in directory
SRS-32: The system shall removes directory
SRS-33: The system shall removes image path in database.
SRS-24: The system shall updates promotion status.
SRS-34: The system shall update user interface

URS-09: Admin can accept register request

Admin can accept or approve register request from guest. After admin accepted request, guest can login to system.

SRS-10: The system shall provides user interface to accept register request
SRS-38: The system shall update register request status
SRS-12: The system shall records new account into database.

URS-10: Admin can reject register request

Admin can reject register request from guest. This operator can not undo.

SRS-39: The system shall provides user interface to reject register request
SRS-38: The system shall update register request status

URS-11: Admin can view account list

Admin can view user account list in system.
SRS-40: The system shall gets data from database
SRS-41: The system shall provide user interface to show account list

URS-12: Admin can view account information

Admin can view account information included image.
SRS-40: The system shall gets data from database
SRS-42: The system shall provide user interface to show account information

URS-13: Admin can view promotion list

Admin can view promotion list in system.

SRS-40: The system shall gets data from database

SRS-43: The system shall provide user interface to show promotion list

URS-14: Admin can view promotion information

Admin can view promotion information included image.

SRS-40: The system shall gets data from database

SRS-44: The system shall provide user interface to show promotion information

URS-15: Admin can view user logs

Admin can view user logs.

SRS-40: The system shall gets data from database

SRS-45: The system shall provide user interface to show user logs

URS-16: Admin can view redeem code list

Admin can view redeem code list in system.

SRS-40: The system shall gets data from database

SRS-46: The system shall provides user interface to show redeem code list

URS-17: Admin can view redeem code information

Admin can view redeem code information.

SRS-40: The system shall gets data from database

SRS-47: The system shall provides user interface to show redeem code information

URS-18: Admin can view mobile user list

Admin can view mobile user list

SRS-40: The system shall gets data from database

SRS-48: The system shall provides user interface to show mobile user list

URS-19: Admin can view mobile user information

Admin can view mobile user information

SRS-40: The system shall gets data from database
SRS-49: The system shall provides user interface to show mobile user information

USR-20: Admin can search account by shop name

Admin can search account by input shop name

SRS-50: The system shall find account by shop name in database
SRS-37: The system shall return account list
SRS-41: The system shall provides user interface to show account list

URS-21: Admin can search account by email

Admin can search account by input email

SRS-51: The system shall find account by shop email in database
SRS-37: The system shall return account list
SRS-41: The system shall provides user interface to show account list

URS-22: Admin can search account by id

Admin can search account by input id

SRS-52: The system shall find account by shop id in database
SRS-37: The system shall return account list
SRS-41: The system shall provides user interface to show account list

URS-23: Admin can search promotion by name

Admin can search promotion by input promotion name

SRS-54: The system shall find promotion by name in database
SRS-53: The system shall return promotion list
SRS-43: The system shall provides user interface to show promotion list

URS-24: Admin can search promotion by id

Admin can search promotion by input promotion id

SRS-55: The system shall find promotion by id in database
SRS-53: The system shall return promotion list
SRS-43: The system shall provides user interface to show promotion list

URS-25: Admin can search promotion by shop name

Admin can search promotion by input shop name

SRS-56: The system shall find promotion by shop name in database
SRS-53: The system shall return promotion list
SRS-43: The system shall provides user interface to show promotion list

URS-26: Admin can search logs by function

Admin can search user logs by function

SRS-57: The system shall find logs by function in database
SRS-50: The system shall return logs list
SRS-45: The system shall provides user interface to show user logs

URS-27: Admin can search logs by shop name

Admin can search user logs by shop name

SRS-49: The system shall find logs by shop name in database
SRS-50: The system shall return logs list
SRS-45: The system shall provides user interface to show user logs

URS-28: Admin can search logs by email

Admin can search user logs by email

SRS-51: The system shall find logs by email in database
SRS-49: The system shall return logs list
SRS-45: The system shall provides user interface to show user logs

URS-29: Admin can change password

Admin can change their password

SRS-52: The system shall verify password and confirm password
SRS-13: The system shall updates new input information to database

3.3.2 Shop owner (Web Server)

URS-30: Shop owner can add promotion

Shop owner can add their own promotion. The shop owner have to input promotion information. When shop owner has added promotion then the promotion will appear on their shop.

SRS-18: The system shall provides add promotion user interface to add new promotion
SRS-19: The system shall checks consistency between start date and end date
SRS-29: The system shall creates a sub directory for promotion
SRS-27: The system shall upload image to directory
SRS-28: The system shall gets file path
SRS-20: The system shall checks all input required
SRS-21: The system shall records new promotion into database

URS-31: Shop owner can edit promotion

Shop owner can edit their own promotion. This operation, shop owner can update the existing information or shop owner might input new information included promotion image.

SRS-22: The system shall provides edit promotion user interface to edit promotion
SRS-19: The system shall checks consistency between start date and end date
SRS-20: The system shall checks all input required.
SRS-21: The system shall records new promotion into database.

URS-32: User can delete promotion

Shop owner can delete unwanted promotion. When shop owner has deleted their promotion, the deleted promotion will disappear from shop owner account. This operation can not undo.

SRS-09: The system shall provides user interface to delete promotion
SRS-30: The system shall removes image in directory
SRS-31: The system shall checks there is no image in directory
SRS-32: The system shall removes directory

SRS-33: The system shall removes image path in database
SRS-24: The system shall updates promotion status
SRS-34: The system shall update user interface

URS-33: Shop owner can update their profile

Shop owner can edit their own profile. This operation, shop owner can update the existing information or user might input new information included shop image

SRS-13: The system shall provides edit account page to edit user account
SRS-11: The system shall checks all input required
SRS-14: The system shall updates new input information to database

URS-34: Shop owner can change password

Shop owner can change their password

SRS-52: The system shall verify password and confirm password
SRS-14: The system shall updates new input information to database

URS-35: Shop owner can log in to web server

Shop owner can log in to system by input email and password. The operations in system mostly required to log in to identify user role and user information.

SRS-01: The system shall provides user interface to log in
SRS-02: The system shall verifies email and password
SRS-03: The system shall keeps user's session

URS-36: Shop owner can log out from web server

Shop owner can log out from server. When the shop owner log out they can't do anything with system

SRS-05: The system shall provides user interface to logout
SRS-04: The system shall destroys session

URS-37: Shop owner can submit redeem code

Shop owner can submit redeem code which is get from mobile user. This operation use to deduct mobile user redeem point when they use redeem code.

SRS-15: The system shall verifies redeem code
SRS-53: The system shall deduct mobile user redeem point
SRS-54: The system shall update redeem code status

URS-38: Shop owner can view promotion list

Shop owner can view promotion list

SRS-40: The system shall gets data from database
SRS-43: The system shall provide user interface to show promotion list

URS-39: Shop owner can view promotion information

Shop owner can view promotion information

SRS-40: The system shall gets data from database
SRS-44: The system shall provide user interface to show promotion information

3.3.3 Guest (Web Server)

URS-40: Guest can sent register request

Guest can sent register request to admin. Guest have to input the account information.

SRS-64: The system shall provide register request page to send request to register.
SRS-07: The system shall checks not available email in database.
SRS-11: The system shall checks all input required.
SRS-65: The system shall records new request into database.

Chapter 4 | Specific Requirement

4.1 Use case Scenario

4.1.1 Web server use case diagram

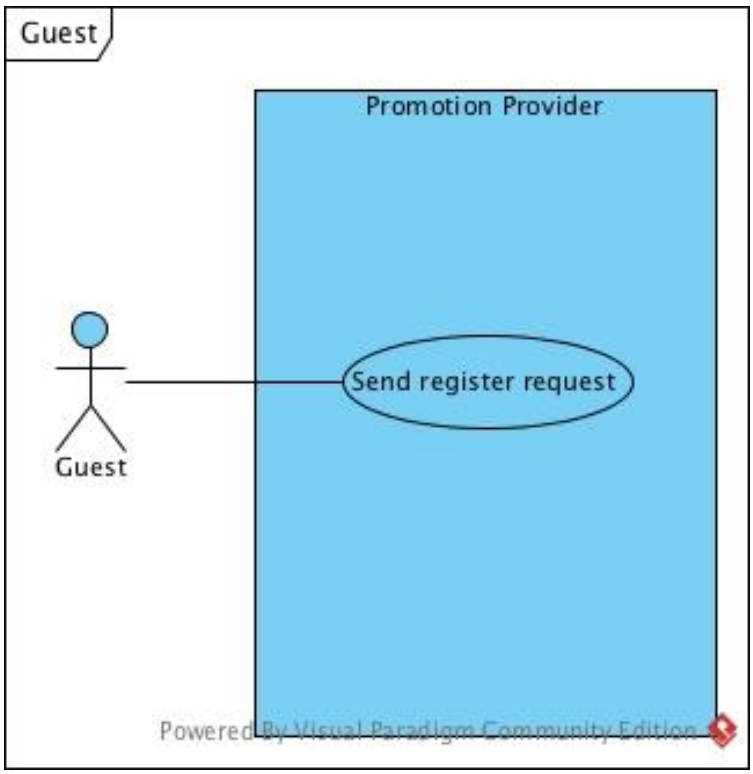

Figure 3.1: Guest

Figure 3.1 shows actor is guest. The guest can only send register request to system. When guest send register request to system, they have to input the information that use for verify themselves by admin.

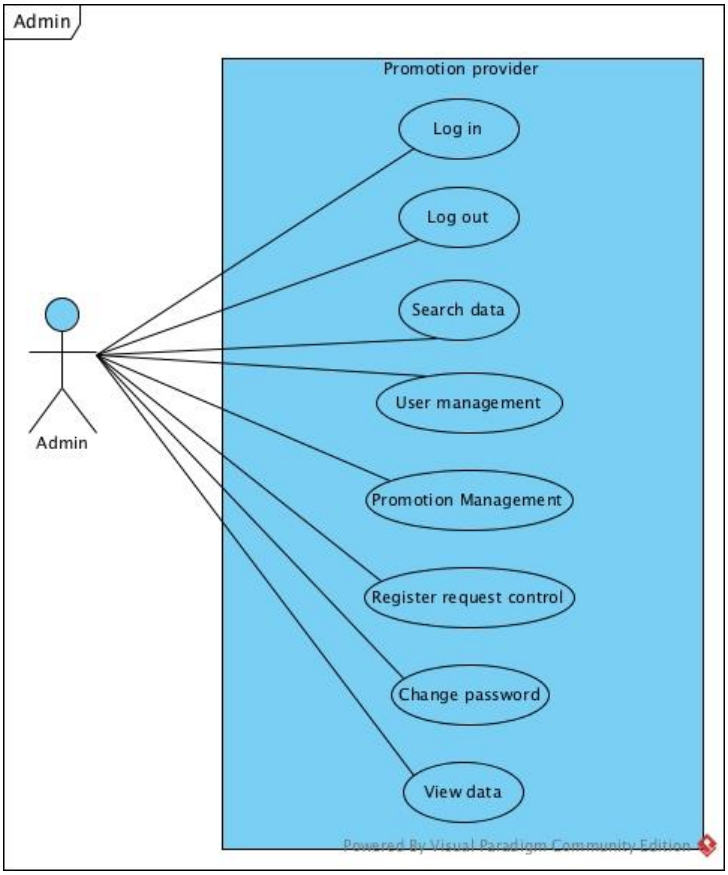

Figure 3.2: Admin

Figure 3.2 shows actor is admin. The admin can log in to system, log out from system. Admin also can search data which are user account, promotion, logs. The promotion management, User management, register request control are admin abilities. Admin able to view data which are user list, user information, promotion list, promotion information and logs.

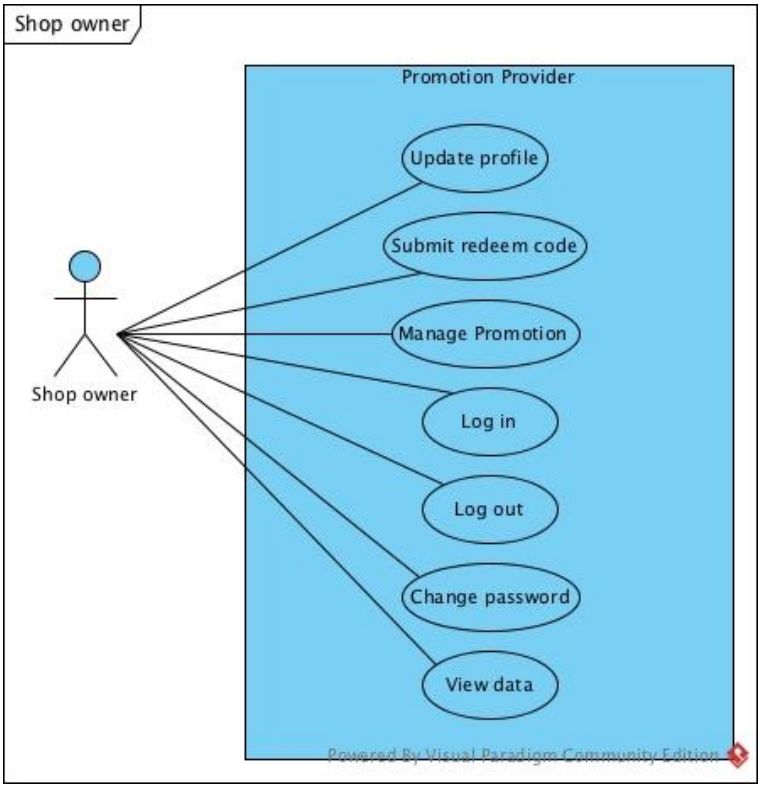

Figure 3.3: Shop owner

Figure 3.3 shows actor is user. User able to update profile, submit redeem code, log in, log out and change password. User also can manage promotion which are add, edit and delete promotion. User can view promotion list and promotion information.

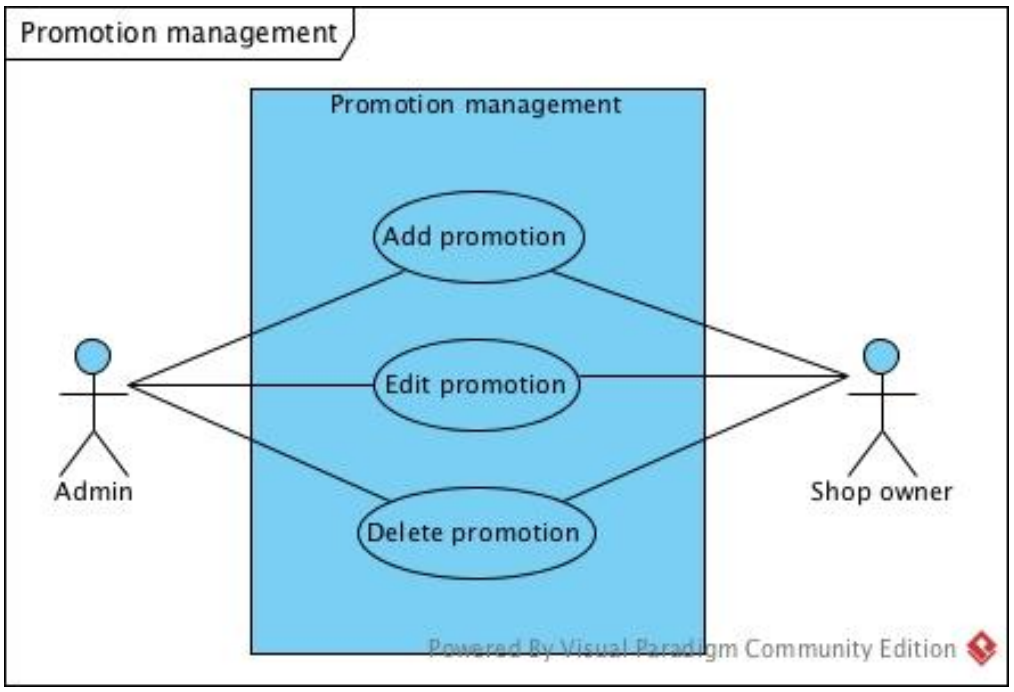

Figure 3.4: Promotion management sub-system

Figure 3.4 shows promotion management sub-system which has two actor, admin and user. Admin can add promotion to user account, edit use promotion and delete unwanted user promotion. User can add promotion to their account, edit their promotion and delete the promotion. Admin can mage all promotion in system but user can manage only their own promotion.

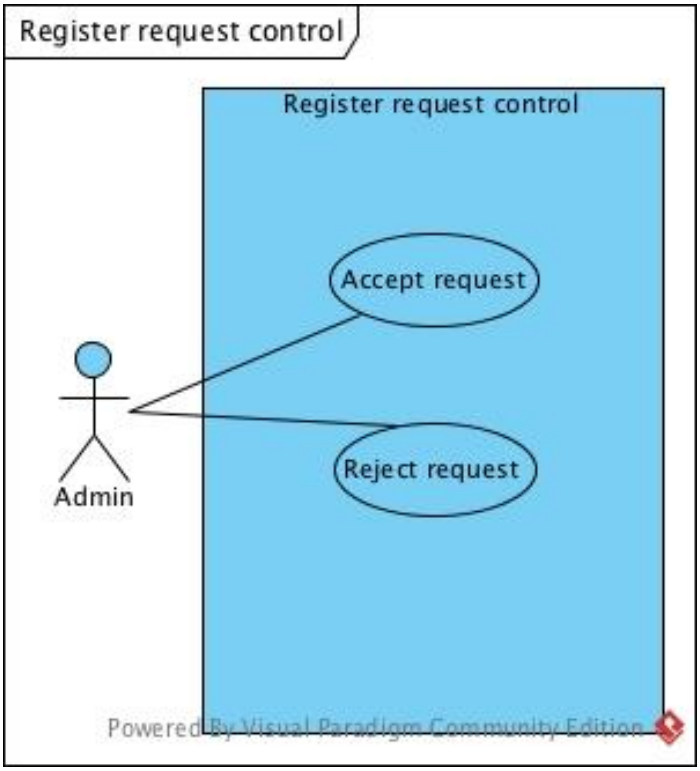

Figure 3.5: Register request control sub-system

Figure 3.5 shows register request control sub-system which has admin as an actor. Admin can control register request by accept request or reject request.

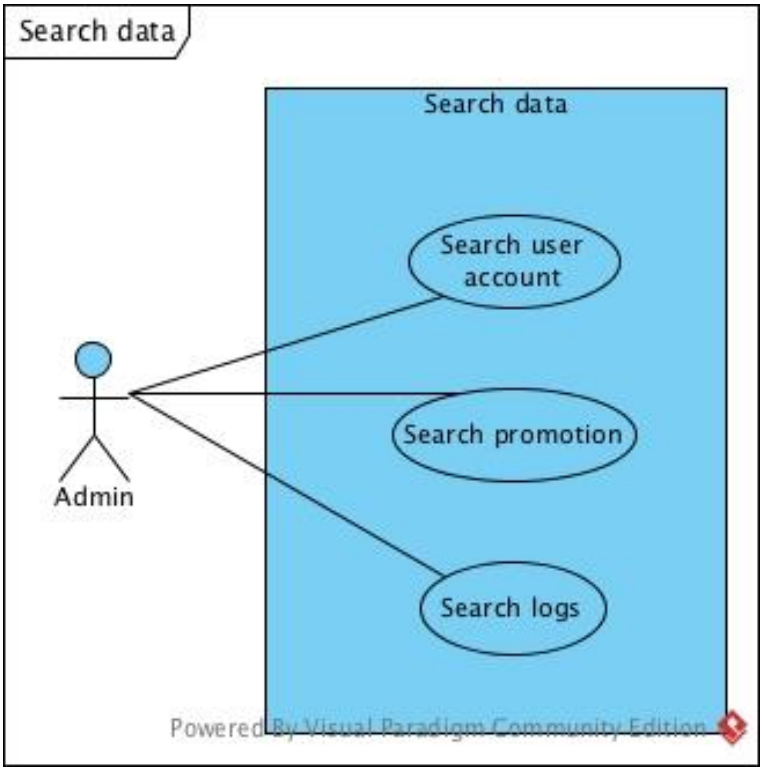

Figure 3.6: Search data sub-system

Figure 3.6 shows search data sub-system which has admin as an actor. Admin can search for user account by name, id or email. Admin able to search promotion by name, id or shop name. The admin also can search logs by function or account email.

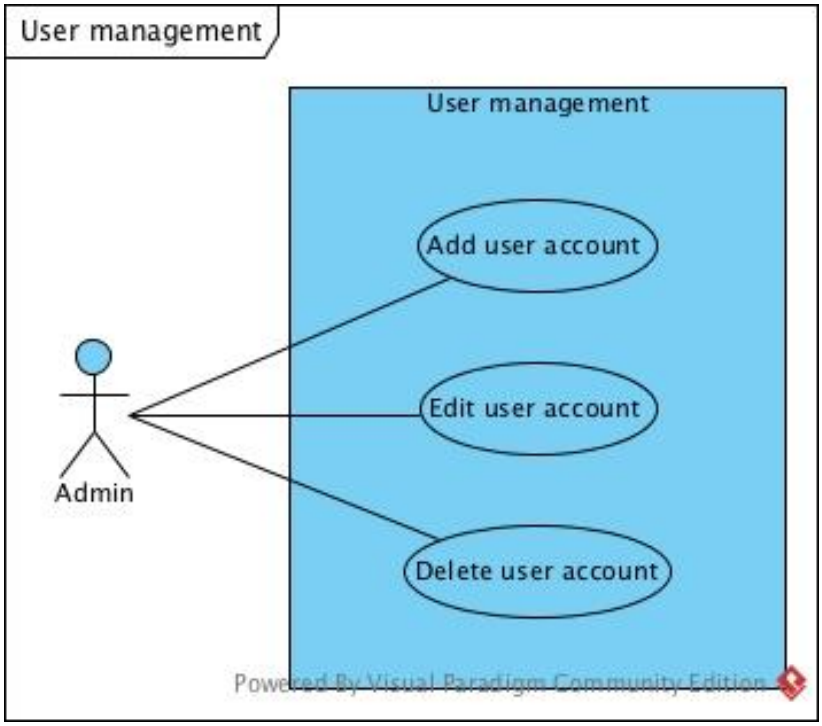

Figure 3.7: User management sub-system

Figure 3.7 shows user management sub-system which has admin as an actor. Admin can manage user account which are add, edit and delete. The add operation required admin to input user information.

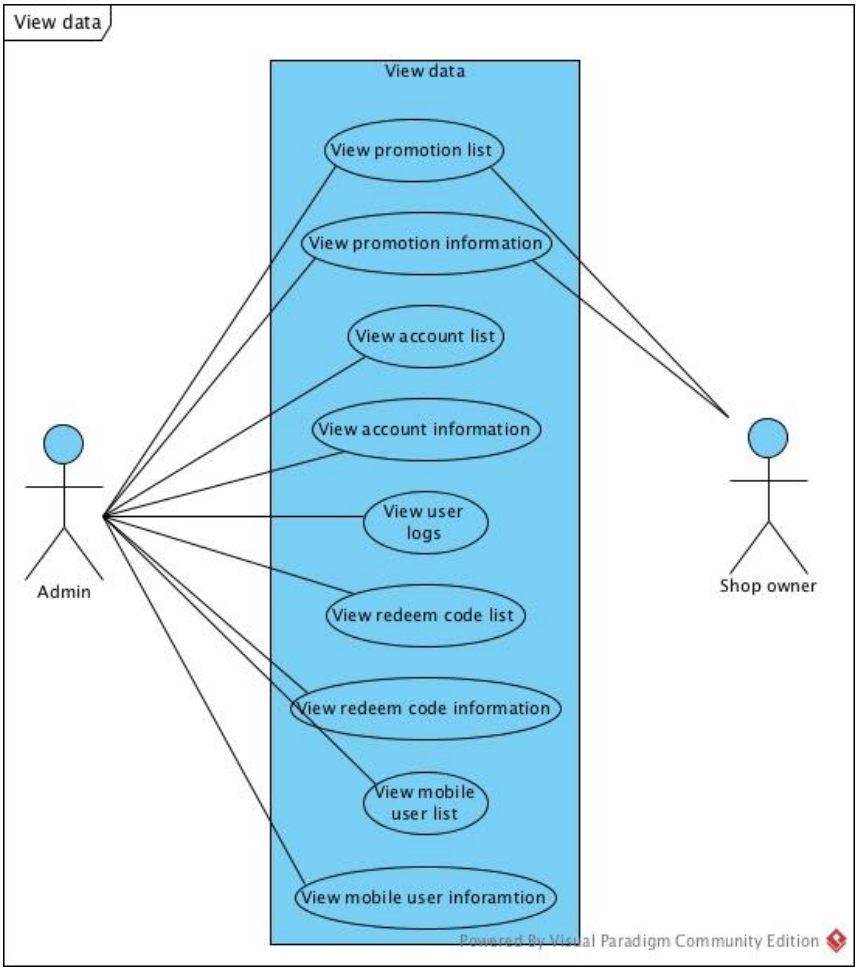

Figure 3.8: View data sub-system

Figure 3.8 shows view data sub-system. Admin actor can view every data or information in system which are promotion, account, logs, redeem code and mobile user. In the other hand user actor can view only their own promotion data.

4.2 Use Case Description

4.2.1 Web server user case description

Use case ID:	UC-WS01		
Use case name:	Send register request		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 22, 2015	**Last update date:**	June 22, 2015

Actor(s):	Guest
Description:	Guest send register request to admin to become a user in web server.
Trigger:	None
Pre condition:	None
Post condition:	1. Register request appear to admin
Normal Flow:	1. Guest open web server 2. Guest click “Join WAP” button 3. System provides user interface to get shop information 4. Guest input shop information 5. System check valid information 6. System records request in database 7. System records logs 8. System redirect guest to index page
Alternative Flow:	5.1 If guest input existing email, or minimum character length not reach minimum required, and guest not input all fields. Then system will not record request to database 5.2 System shows error message 5.3 Allow guest go back to step#3
Priority:	2
Exception:	None

Use case ID:	UC-WS02		
Use case name:	Log in		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 22, 2015	**Last update date:**	June 22, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner log in to web server by using email and password. Mostly operations required admin to log in to identify themselves.
Trigger:	None
Pre condition:	1. Admin or shop owner must have account in system 2. Admin or shop owner must clicks the “Sign in” button
Post condition:	1. Admin or shop owner logged in to system 2. System store admin’s session or user’s session
Normal Flow:	1. Admin or shop owner open web server 2. System provides user interface to get input email and password 3. Admin or shop owner input email and password 4. Admin or shop owner click “Sign in” button 5. System verifies matched email and password from database 6. System store admin’s session or user’s session 7. System records logs 8. System redirect admin to admin dashboard page or redirect shop owner to shop owner dashboard page
Alternative Flow:	5.1 If admin email and password are invalid, admin will not allowed to log in to web server 5.2 System shows “Invalid email or password” message 5.3 Allow admin or shop owner go back to step#2
Priority:	1
Exception:	None

Use case ID:	UC-WS03		
Use case name:	Log out		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner log out from web server. After admin or user logged out, they can't do anything with system
Trigger:	-
Pre condition:	1. Admin or shop owner logged in
Post condition:	1. System destroy session 2. Admin or shop owner logged out from server
Normal Flow:	1. Admin or shop owner click their "email" account menu at top right 2. Admin or shop owner click "log out" button 3. System destroy session 4. System records logs 5. System redirect admin or shop owner to index page
Alternative Flow:	None
Priority:	2
Exception:	None

Use case ID:	UC-WS04		
Use case name:	Change password		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner change their password. This operation required admin and shop owner input new password and confirm new password.
Trigger:	None
Pre condition:	1. Admin or shop owner logged in to system
Post condition:	1. Admin or shop owner changed password
Normal Flow:	1. Admin or shop owner click their “email” account menu at top right 2. Admin or shop owner click “change password” button 3. System provides user interface to change password 4. Admin or shop owner input new password and confirm new password 5. System verifies matched new password and confirm new password 6. System updated new password in database 7. System records logs 8. System records logs 9. System redirect admin or user to dashboard page
Alternative Flow:	5.1 If admin or shop owner input not matched new password and new confirm password, system will not allow them to change password 5.2 System shows “password not matched” message 5.3 Allow admin and shop owner go back to step#3
Priority:	2
Exception:	None

Use case ID:	UC-WS05		
Use case name:	Update profile		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Shop owner
Description:	Shop owner update profile. This operation will provide existing information to shop information. Shop owner probably edit it or enter new information. Email is the only one information that system not allowed shop owner to change it.
Trigger:	None
Pre condition:	1. Shop owner must logged in as user role
Post condition:	1. Shop owner changed their profile
Normal Flow:	1. Shop owner clicks “email” account menu at top right 2. Shop owner clicks “Edit profile” button 3. System provides user interface with existing information to get input new information 4. System provides Google map to get latitude and longitude 5. Shop owner input shop new information 6. System verified valid input 7. System updated new shop owner profile to database 8. System records logs 9. System redirect shop owner to dashboard page
Alternative Flow:	5.1 If shop owner not input all fields, and minimum character length not reach minimum required. Then system not allowed shop owner to edit profile 5.2 System shows error message 5.3 Shop owner allow to go back to step#5
Priority:	3
Exception:	4.1 System fails to retrieve coordinates and map data due to Google API that provided from Google

Use case ID:	UC-WS06		
Use case name:	Submit redeem code		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Shop owner
Description:	Shop owner submit redeem code from mobile user to deduct mobile user's redeem point in system.
Trigger:	None
Pre condition:	1. Shop owner must logged in as user role
Post condition:	1. Shop owner submitted redeem code 2. System deducted mobile user's redeem point
Normal Flow:	1. Shop owner clicks "Submit redeem code" 2. System provides user interface to get input redeem code 3. Shop owner input redeem code 4. System verifies valid redeem code 5. System deduct mobile user's redeem point 6. System records logs 7. System redirect shop owner to redeem code list page
Alternative Flow:	4.1 If shop owner input invalid redeem code, system not allowed shop owner to submit redeem code. 4.2 System shows "Invalid redeem code" message 4.3 Allow show owner to go back to step#2
Priority:	2
Exception:	None

Use case ID:	UC-WS07		
Use case name:	Add promotion		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner add promotion. This operation required admin or shop owner input promotion information
Trigger:	None
Pre condition:	1. Admin or shop owner logged in
Post condition:	1. Admin or shop owner added promotion
Normal Flow:	1. Admin or shop owner clicks “Add promotion” button 2. System provides user interface to get input promotion information 3. Admin or shop owner input promotion information 4. System verifies valid input 5. System add promotion to database 6. System records logs 7. System redirect admin or shop user to promotion list page
Alternative Flow:	4.1 If admin or shop owner not input all filed, or minimum character length not reach minimum required, and start date is greater than end date. Then system not allowed admin or shop owner to add promotion 4.2 System shows “Input required” message 4.3 Allow admin or shop owner to go back to step#3
Priority:	2
Exception:	None

Use case ID:	UC-WS08		
Use case name:	Edit promotion		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner edit promotion. System will provides existing information to admin or shop information then admin or shop owner probably edit the existing information or input new information
Trigger:	None
Pre condition:	1. Admin or shop owner logged in 2. The promotion must be in system
Post condition:	1. Admin or shop owner edited promotion
Normal Flow:	1. Admin or shop owner clicks “Edit” button 2. System provides user interface with existing information to edit promotion 3. Admin or shop owner edit or input new information 4. System verifies valid input 5. System update promotion in database 6. System records logs 7. System redirect admin or shop owner to promotion list page
Alternative Flow:	4.1 If admin or shop owner not input all filed, or minimum character length not reach minimum required, and start date is greater than end date. Then system not allowed admin or shop owner to edit promotion 4.2 System shows “Invalid start date and end date” message 4.3 Allow admin or shop owner to go back to step#3
Priority:	2
Exception:	None

Use case ID:	UC-WS09		
Use case name:	Delete promotion		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner delete promotion in system
Trigger:	None
Pre condition:	1. Admin or shop owner logged in 2. The promotion must be in system
Post condition:	1. Admin or shop owner deleted promotion
Normal Flow:	1. System provides user interface to delete promotion 2. Admin or shop owner clicks “delete” button 3. System delete promotion in database 4. System records logs
Alternative Flow:	None
Priority:	2
Exception:	None

Use case ID:	UC-WS10		
Use case name:	Reject request		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin reject register request from guest
Trigger:	None
Pre condition:	1. Register request must be in system 2. Admin must logged in as admin role
Post condition:	1. Admin rejected register request
Normal Flow:	1. System provides user interface to reject request 2. Admin clicks “reject” button 3. System request confirm 4. Admin confirm reject request 5. System rejected request 6. System records logs
Alternative Flow:	None
Priority:	2
Exception:	None

Use case ID:	UC-WS11		
Use case name:	Reject request		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin accept register request from guest
Trigger:	None
Pre condition:	1. Register request must be in system 2. Admin must logged in as admin role
Post condition:	1. Admin accept register request 2. The accepted guest can log in to system
Normal Flow:	1. System provides user interface to accept request 2. Admin accept request 3. System record new shop owner account in database 4. System records logs
Alternative Flow:	None
Priority:	2
Exception:	None

Use case ID:	UC-WS12		
Use case name:	Search shop owner account		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin search shop owner account by name, email and id. This operation required admin to input name or email or shop owner id.
Trigger:	None
Pre condition:	1. Admin must logged in as admin
Post condition:	1. System shows searched shop owner account
Normal Flow:	1. System provides user interface to get input search value 2. Admin input search value 3. System search matched input value in database 4. System shows shop owner account 5. System records logs
Alternative Flow:	3.1 If system can't find matched value, system not display anything to admin 3.2 Allow admin to go back to step#1
Priority:	2
Exception:	None

Use case ID:	UC-WS13		
Use case name:	Search promotion		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin search promotion by name, promotion id and shop name. This operation required admin to input promotion name or promotion id and shop name.
Trigger:	None
Pre condition:	1. Admin must logged in as admin
Post condition:	1. System shows searched promotion
Normal Flow:	1. System provides user interface to get input search value 2. Admin input search value 3. System search matched input value in database 4. System shows searched promotion 5. System records logs
Alternative Flow:	3.3 If system can't find matched value, system not display anything to admin 3.4 Allow admin to go back to step#1
Priority:	2
Exception:	None

Use case ID:	UC-WS14		
Use case name:	Search logs		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin search logs by function name and account email
Trigger:	None
Pre condition:	1. Admin must logged in as admin
Post condition:	1. System shows searched logs
Normal Flow:	1. System provides user interface to get input search value 2. Admin input search value 3. System search matched input value in database 4. System shows searched logs 5. System records logs
Alternative Flow:	3.5 If system can't find matched value, system not display anything to admin 3.6 Allow admin to go back to step#1
Priority:	2
Exception:	None

Use case ID:	UC-WS15		
Use case name:	Add account		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin add shop owner account. This operation required admin to input shop information.
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin added new account
Normal Flow:	1. Admin clicks “Add account” button 2. System provides user interface to get input account information 3. System provides Google map to get latitude and longitude 4. Admin input account information 5. System verified valid input 6. System add account to database 7. System redirect admin to account list page 8. System records logs
Alternative Flow:	5.1 If admin not input all field, or minimum input character not reach required, and email already exists in system. Then system not allowed shop owner to edit profile 5.2 System shows error message 5.3 Admin allow to go back to step#4
Priority:	2
Exception:	3.1 System fails to retrieve coordinates and map data due to Google API that provided from Google

Use case ID:	UC-WS16		
Use case name:	Edit account		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin edit shop owner account. This operation required admin to input shop information.
Trigger:	None
Pre condition:	1. Admin must logged in as admin role 2. The account must be in system
Post condition:	1. Admin added new account
Normal Flow:	1. Admin clicks “Edit account” button 2. System provides user interface with existing information 3. System provide Google map with pinned location 4. Admin edit existing information or input new information 5. System verifies valid input 6. System update new information to database 7. System records logs
Alternative Flow:	5.1 If admin not input all field, or minimum input character not reach required, and email already exists in system. Then system not allowed shop owner to edit profile 5.2 System shows “input required” message 5.3 Admin allow to go back to step#4
Priority:	2
Exception:	3.1 System fails to retrieve coordinates and map data due to Google API that provided from Google

Use case ID:	UC-WS17		
Use case name:	Delete account		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin edit delete shop owner account. When admin has deleted account, that account not able to log in anymore.
Trigger:	None
Pre condition:	1. Admin must logged in as admin role 2. The account must be in system
Post condition:	1. Admin deleted account
Normal Flow:	1. System provides user interface to delete account 2. Admin clicks “delete” button 3. System require confirm 4. Admin confirm delete account 5. System delete account in database 6. System records logs
Alternative Flow:	3.1 If admin not confirm to delete account, system terminate delete operation 3.2 Allow admin to go back to step#1
Priority:	2
Exception:	None

Use case ID:	UC-WS18		
Use case name:	View promotion list		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner view promotion list in system. Admin able to view all promotions but shop promotion can view only their own promotion
Trigger:	None
Pre condition:	1. Admin or shop owner must logged in
Post condition:	2. Admin or shop owner view promotion list
Normal Flow:	1. Admin or shop owner clicks “Promotion” menu at top 2. System provides user interface with promotion list 3. Admin or shop owner view promotion list
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS19		
Use case name:	View promotion information		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin, Shop owner
Description:	Admin or shop owner view promotion information in system. Admin able to view all promotions information but shop promotion can view only their own promotion information
Trigger:	None
Pre condition:	1. Admin or shop owner must logged in
Post condition:	1. Admin or shop owner view promotion list
Normal Flow:	2. Admin or shop owner clicks promotion name in “Promotions” page 3. System provides user interface with promotion information 4. Admin or shop owner view promotion information
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS20		
Use case name:	View account list		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view account list in system. Admin able to view all account list included admin account
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin view account list
Normal Flow:	1. Admin clicks “Accounts” menu at top 2. System provides user interface with account list 3. Admin view account list
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS21		
Use case name:	View account information		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view account information in system. Admin able to view all account information except admin account
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin view account information
Normal Flow:	1. Admin clicks account email in “Accounts” page 2. System provides user interface with account information 3. Admin view account information 4. System records logs
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS22		
Use case name:	View user logs		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view all activities logs of user in system
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin view account information
Normal Flow:	1. Admin clicks “Logs” menu at top 2. System provides user interface with user logs 3. Admin view user logs list
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS23		
Use case name:	View redeem code list		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view all redeem code list in system
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	2. Admin view redeem code list
Normal Flow:	2. Admin clicks “Redeem codes” menu at top 3. System provides user interface with redeem code list 4. Admin view redeem code list
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS24		
Use case name:	View redeem code information		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view all redeem code information
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin view redeem code information
Normal Flow:	1. Admin clicks redeem code in “Redeem codes” page 2. System provides user interface with redeem code information 3. Admin view redeem code information
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS25		
Use case name:	View mobile user list		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view all mobile user list in system
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin view redeem code information
Normal Flow:	1. Admin clicks “Mobile users” menu at top 2. System provides user interface with mobile user list 3. Admin view mobile user list
Alternative Flow:	None
Priority:	3
Exception:	None

Use case ID:	UC-WS26		
Use case name:	View mobile user information		
Created by:	Tanawat	**Last update by:**	Tanawat
Created date:	June 24, 2015	**Last update date:**	June 24, 2015

Actor(s):	Admin
Description:	Admin view mobile user information
Trigger:	None
Pre condition:	1. Admin must logged in as admin role
Post condition:	1. Admin view mobile user information
Normal Flow:	1. Admin clicks mobile user id in “Mobile users” page 2. System provides user interface with mobile user information 3. Admin view mobile user information
Alternative Flow:	None
Priority:	3
Exception:	None

Chapter 5 | Software Requirement Specification

5.1 Administrator (Web server)

URS-01: Admin can login to web server

Introduction

Admin can log in to system by input email and password. The operations in system mostly required to log in to identify user role and user information.

Processing

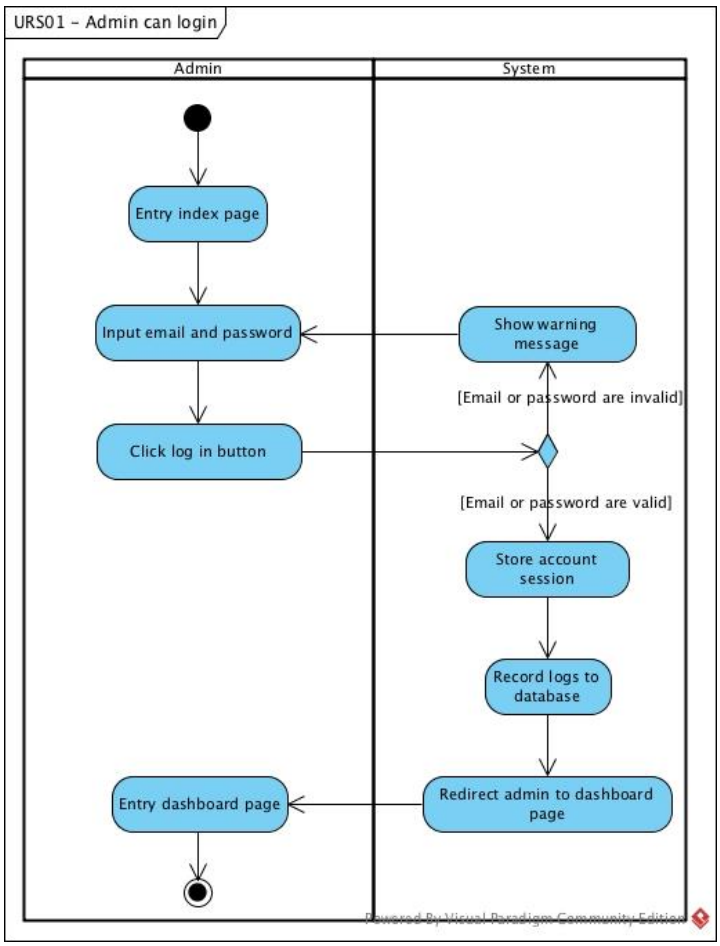

Figure 3.9: AD01 - Admin can login

Software requirement specification

SRS-01: The system shall provides user interface to log in.
SRS-02: The system shall verifies email and password.
SRS-03: The system shall keeps user's session.

URS-02: Admin can logout from web server

Introduction

Admin can log out from server. When the admin log out they can't do anything with system

Processing

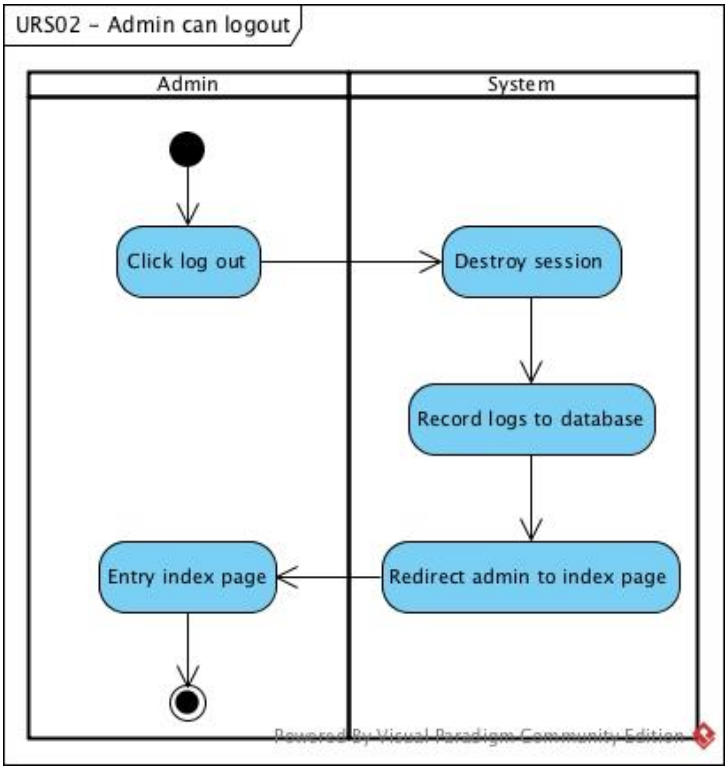

Figure 3.10: AD02: Admin can logout from web server

Software requirement specification

SRS-05: The system shall provides user interface to logout.
SRS-04: The system shall destroys session.

URS-03: Admin can add shop owner account

Introduction

Admin can add or create shop owner account to system. Admin have to input shop owner information to the system. After admin completed add shop owner account, that account will allowed to log in to system.

Processing

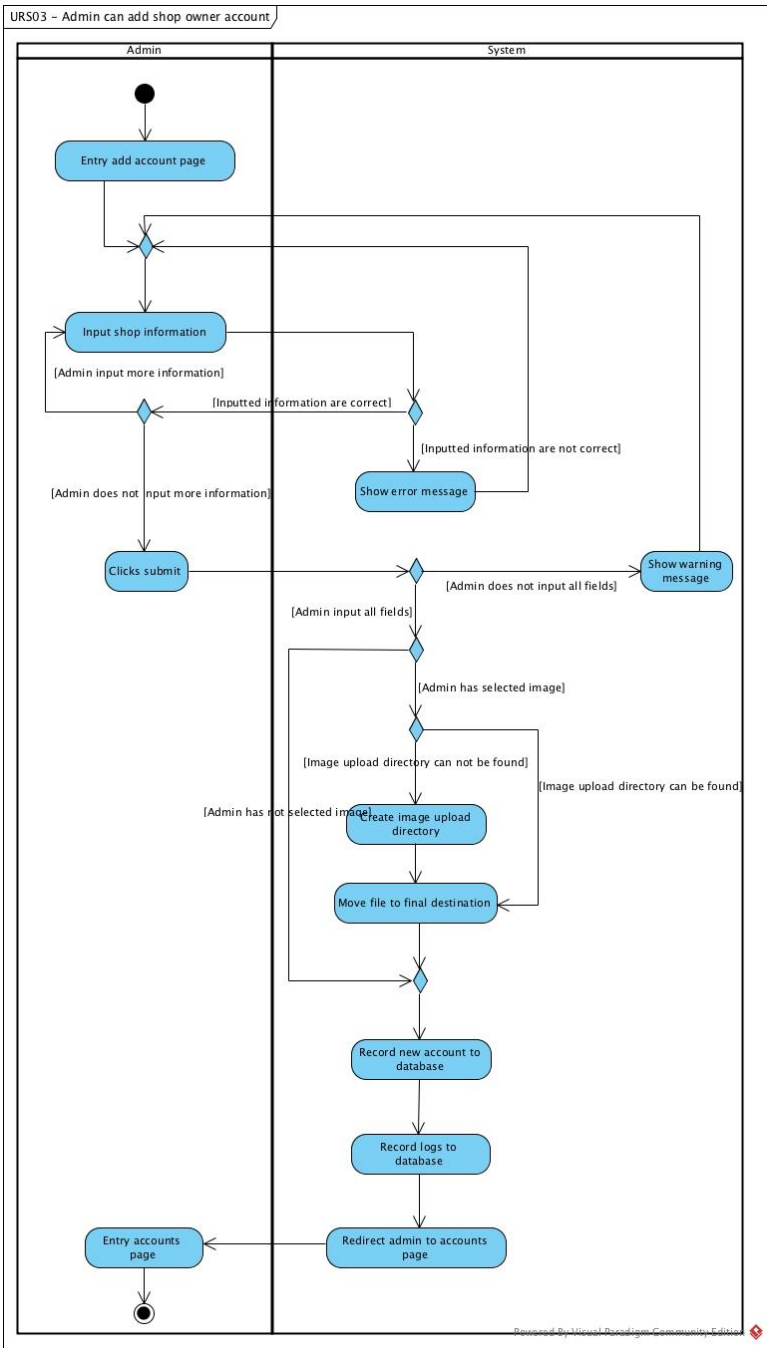

Figure 3.11: AD03: Admin can add shop owner account

Software requirement specification

SRS-06: The system shall provides add account page to add new shop owner account.
SRS-07: The system shall checks not available email in database.
SRS-25: The system shall creates a directory for account
SRS-26: The system shall creates a sub directory for profile
SRS-27: The system shall upload image to directory.
SRS-28: The system shall gets file path.
SRS-11: The system shall checks all input required.
SRS-12: The system shall records new account into database.

URS-04: Admin can edit shop owner account

Introduction

Admin can edit shop owner account in system by update existing information or input new information. Email is the only one information that cannot be changed.

Processing

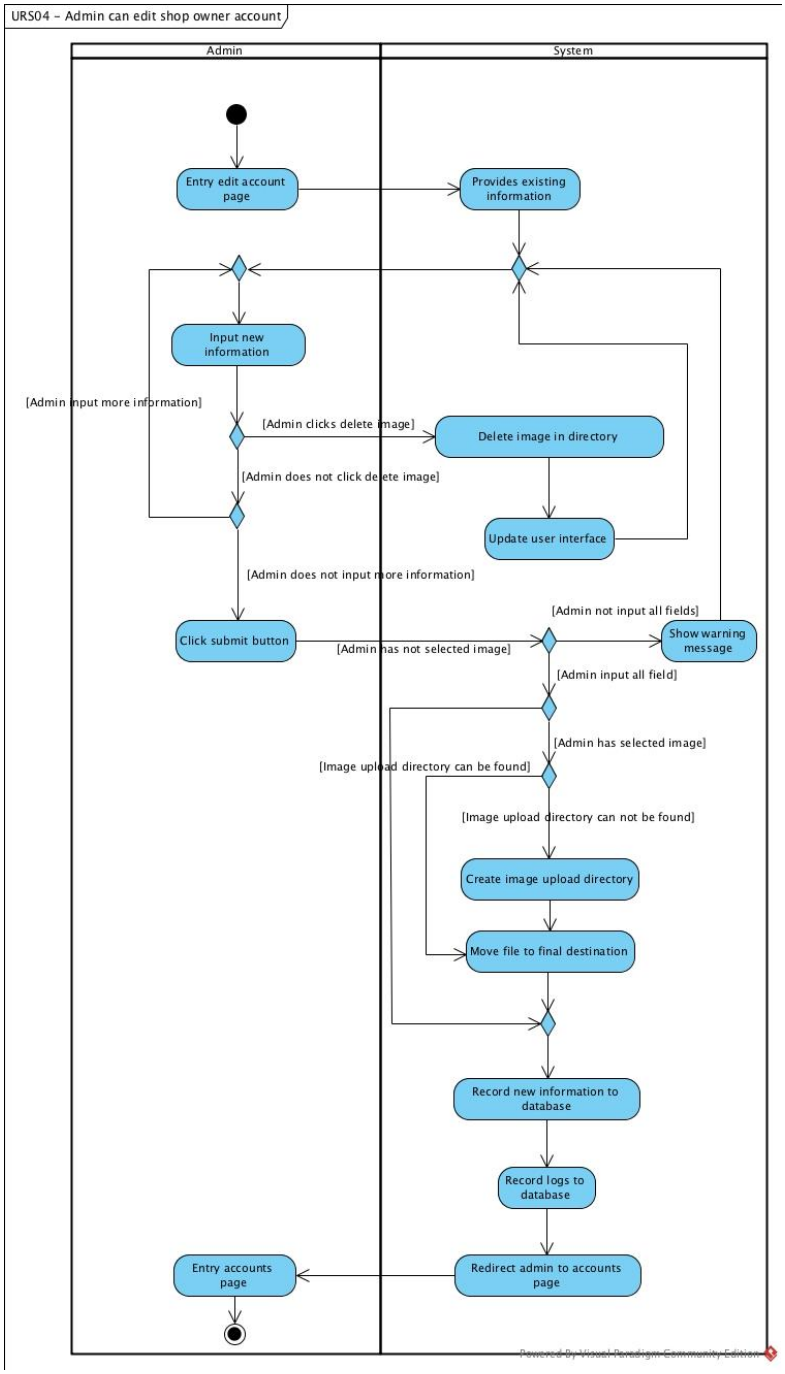

Figure 3.12: AD04: Admin can edit shop owner account

Software requirement specification

SRS-13: The system shall provides edit account page to edit user account.
SRS-11: The system shall checks all input required.
SRS-14: The system shall updates new input information to database.

URS-05: Admin can delete user account

Introduction

Admin can delete unwanted account in system. After admin deleted account, the account will not allowed to login to system anymore and account can't do any thing with system.

Processing

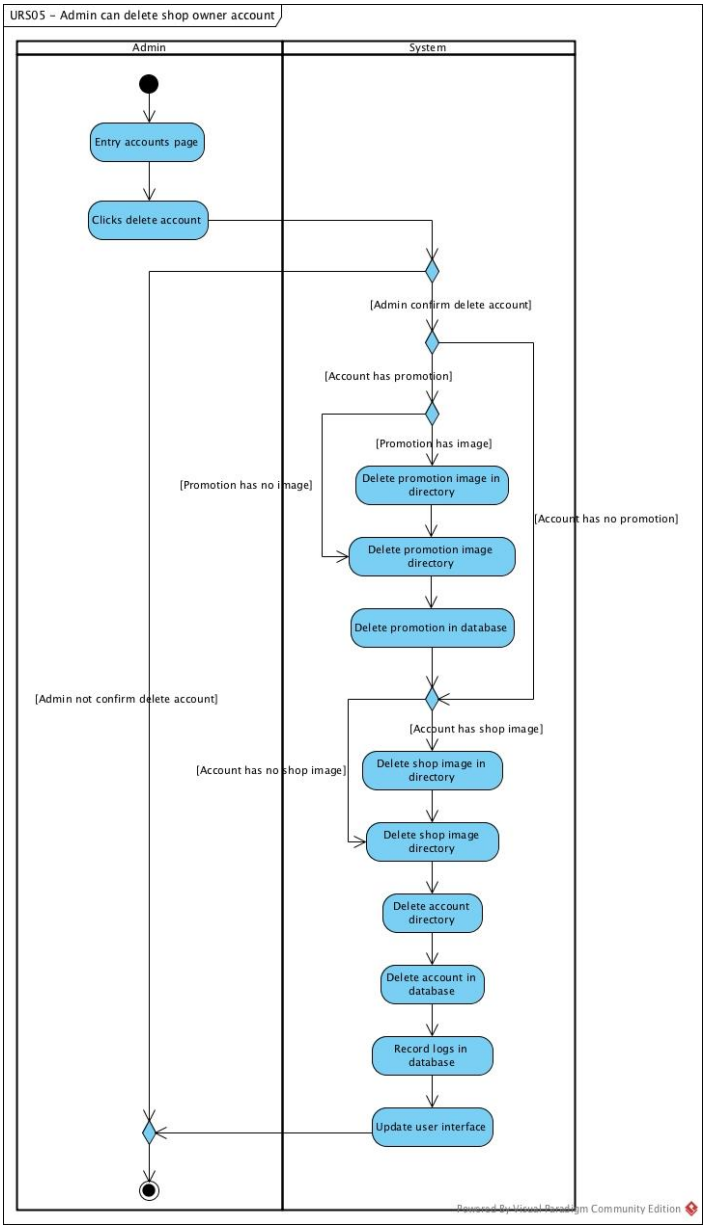

Figure 3.13: AD05: Admin can delete user account

Software requirement specification

SRS-08: The system shall provides user interface to delete user
SRS-30: The system shall removes image in directory.
SRS-31: The system shall checks there is no image in directory

SRS-32: The system shall removes directory
SRS-33: The system shall removes image path in database.
SRS-17: The system shall updates account status.
SRS-34: The system shall update user interface

URS-06: Admin add promotion to shop owner

Introduction

Admin can add promotion to shop owner account. Admin have to input promotion information. When admin has added promotion to shop owner account, the promotion will appear in shop owner promotion.

Processing

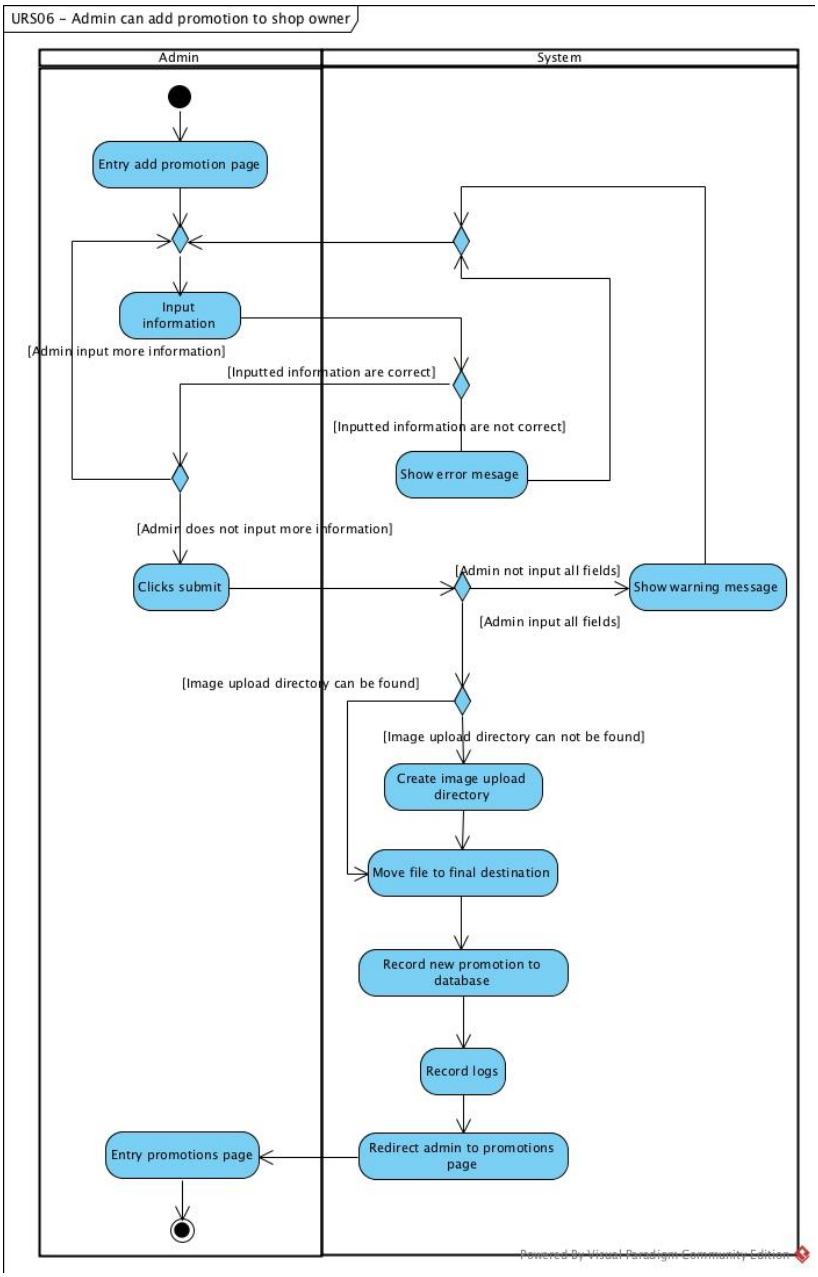

Figure 3.14: AD06: Admin can add promotion to shop owner

Software requirement specification

SRS-18: The system shall provides add promotion user interface to add new promotion.
SRS-19: The system shall checks consistency between start date and end date.
SRS-29: The system shall creates a sub directory for promotion
SRS-27: The system shall upload image to directory.
SRS-28: The system shall gets file path.
SRS-20: The system shall checks all input required.
SRS-21: The system shall records new promotion into database.

URS-07: Admin edit shop owner promotion

Introduction

Admin can edit shop owner promotion in system by update existing information or input new information.

Processing

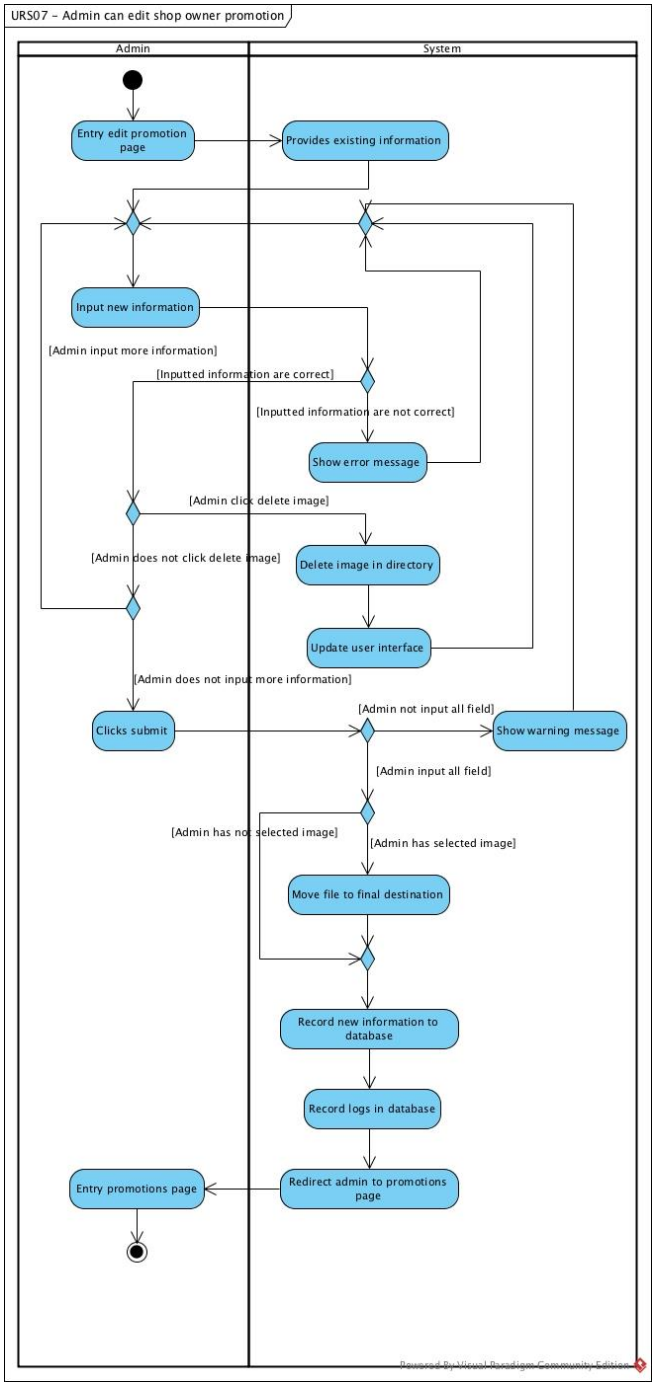

Figure 3.15: AD07: Admin can edit shop owner promotion

Software requirement specification

SRS-22: The system shall provides edit promotion user interface to edit promotion.
SRS-19: The system shall checks consistency between start date and end date.
SRS-20: The system shall checks all input required.
SRS-21: The system shall records new promotion into database.

URS-08: Admin can delete shop owner promotion

Introduction

Admin can delete unwanted promotion in shop owner account. When promotion has been deleted, it will disappear from shop owner account.

Processing

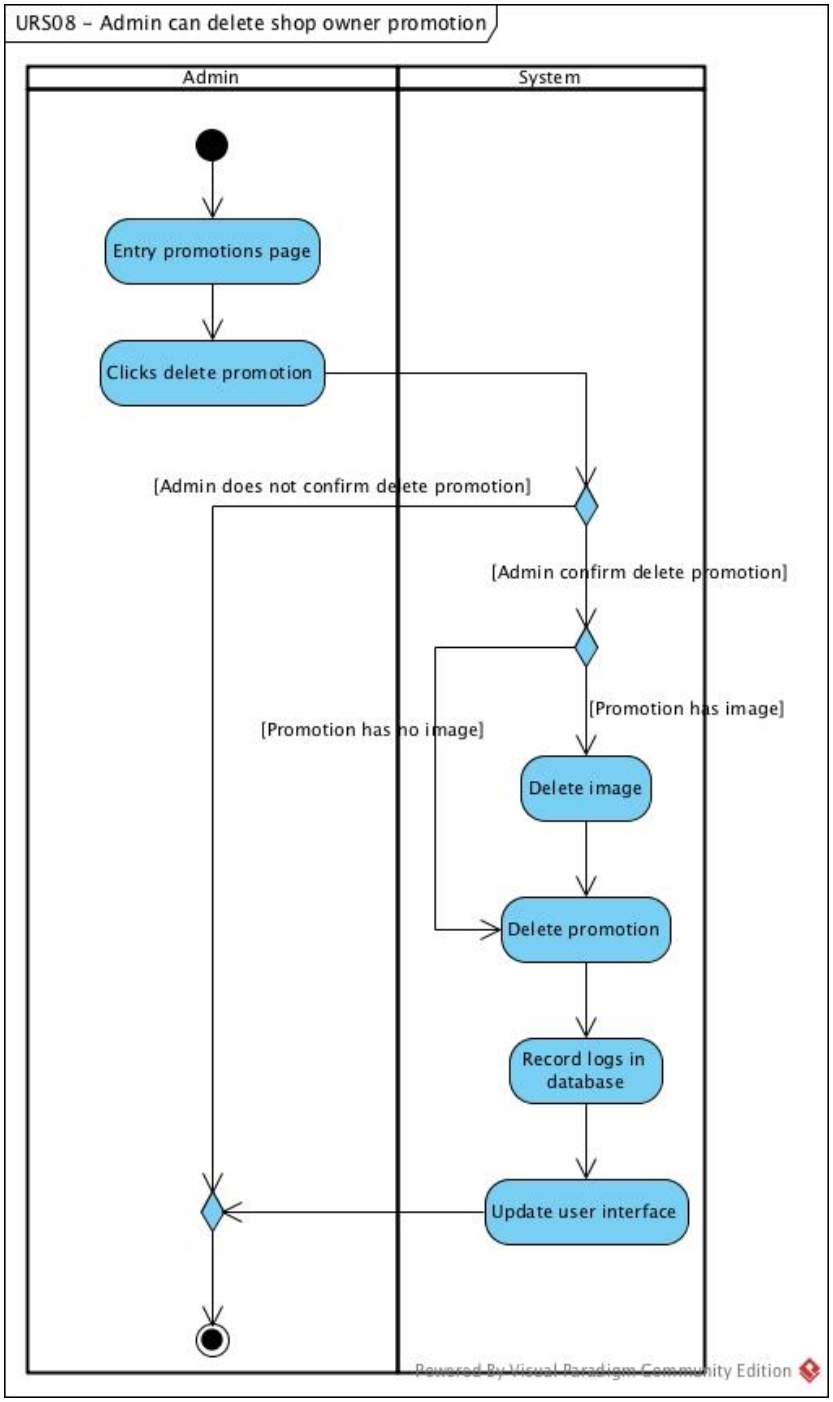

Figure 3.16: AD08: Admin can delete shop owner promotion

Software requirement specification

SRS-09: The system shall provides user interface to delete promotion
SRS-30: The system shall removes image in directory.
SRS-31: The system shall checks there is no image in directory
SRS-32: The system shall removes directory
SRS-33: The system shall removes image path in database.
SRS-24: The system shall updates promotion status.
SRS-34: The system shall update user interface

URS-09: Admin can accept register request

Introduction

Admin can accept or approve register request from guest. After admin accepted request, guest can login to system.

Processing

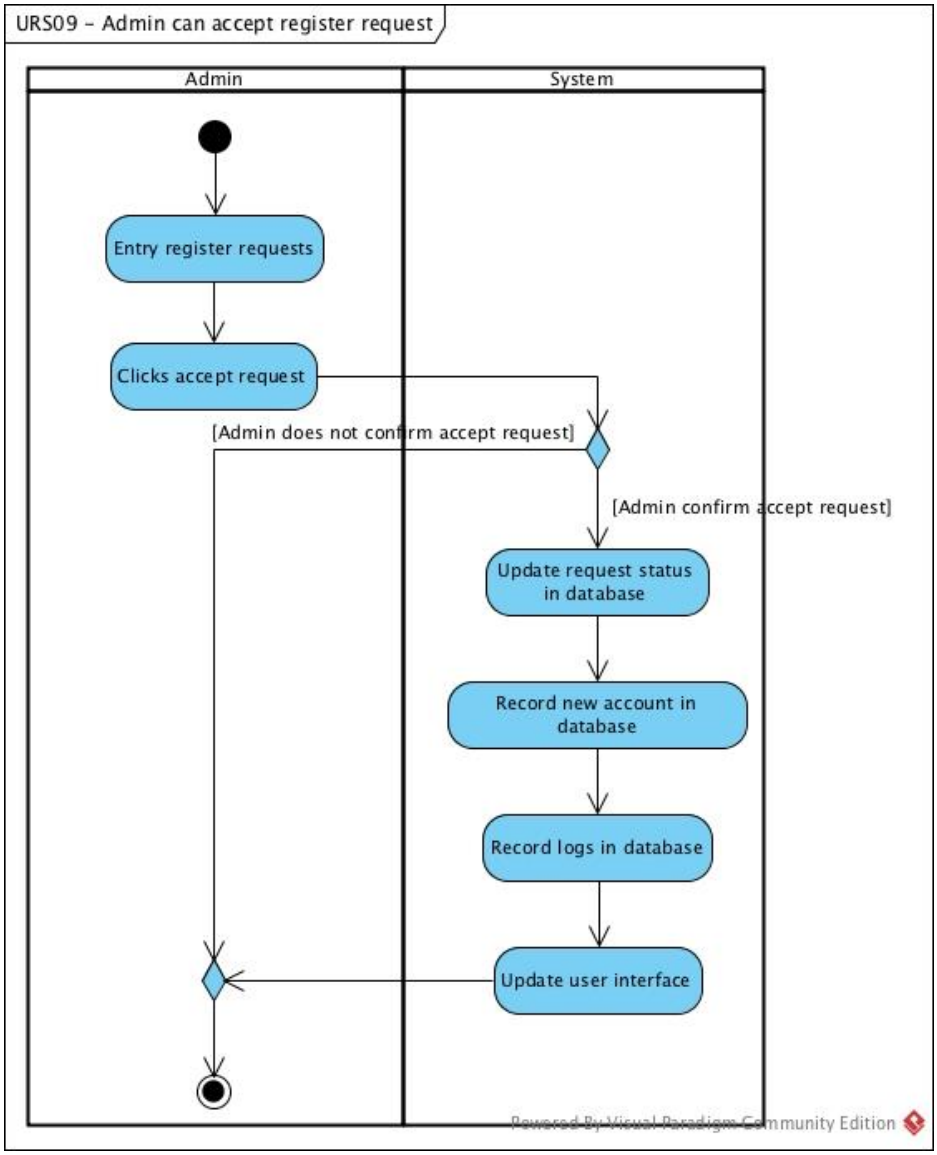

Figure 3.17: AD09: Admin can accept register request

Software requirement specification

SRS-10: The system shall provides user interface to accept register request
SRS-38: The system shall update register request status
SRS-12: The system shall records new account into database.

URS-10: Admin can reject register request

Introduction

Admin can reject register request from guest. This operator cannot undo.

Processing

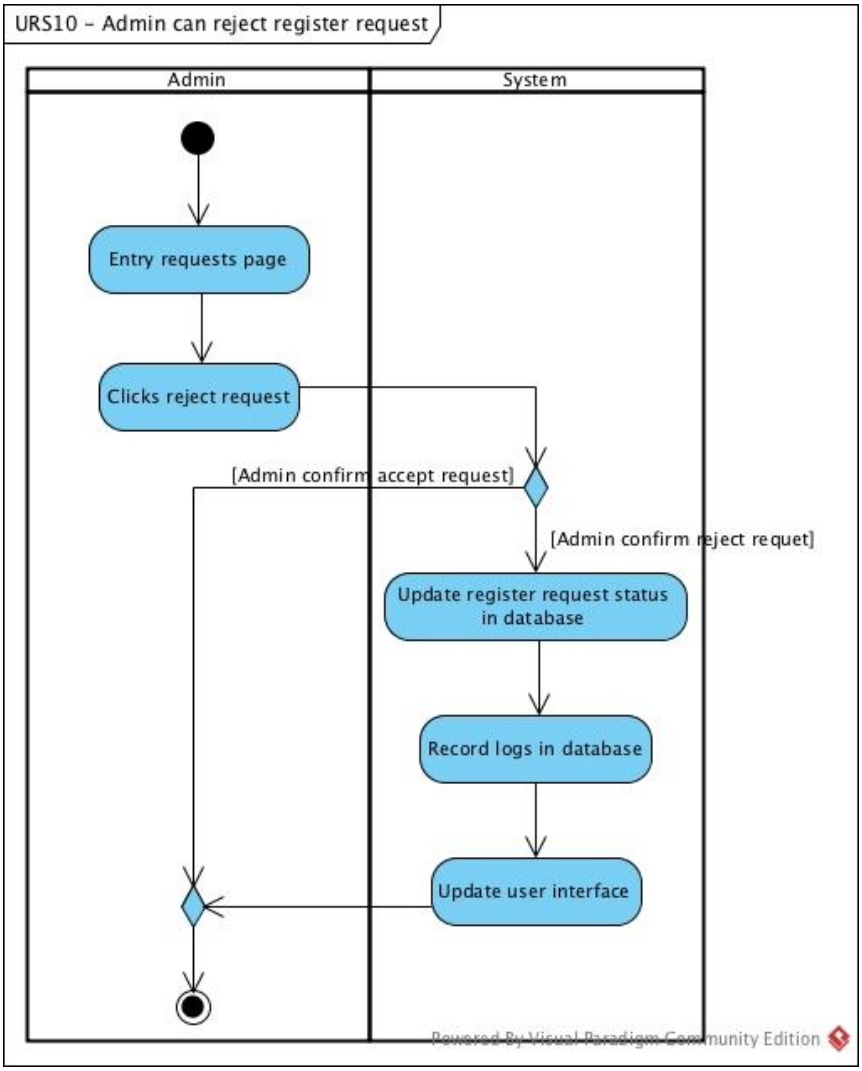

Figure 3.18: AD10: Admin can reject register request

Software requirement specification

SRS-39: The system shall provides user interface to reject register request
SRS-38: The system shall update register request status

URS-11: Admin can view account list

Introduction

Admin can view user account list in system.

Processing

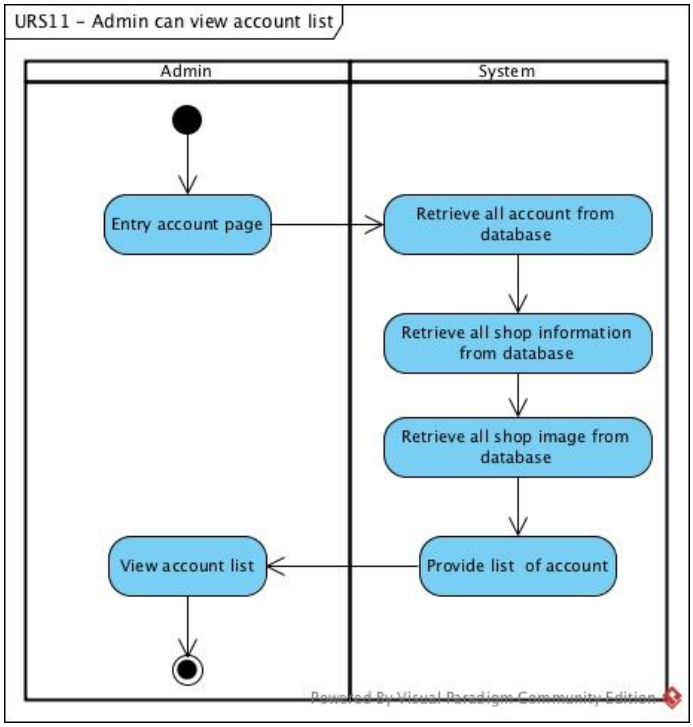

Figure 3.19: AD11: Admin can view account list

Software requirement specification

SRS-40: The system shall gets data from database
SRS-41: The system shall provide user interface to show account list

URS-12: Admin can view account information

Introduction

Admin can view account information included image.

Processing

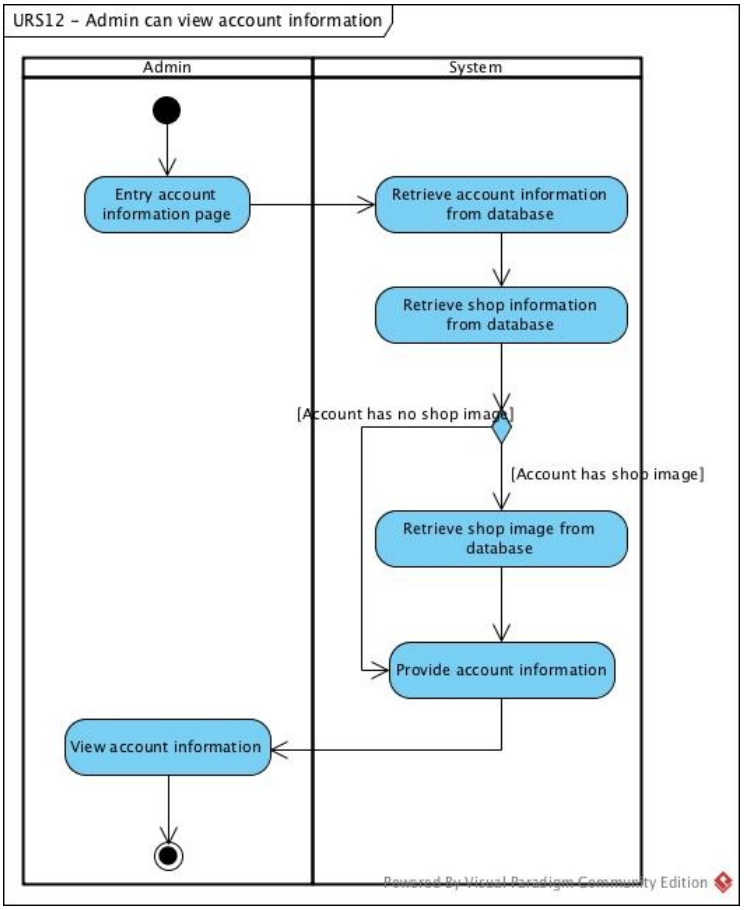

Figure 3.20: AD12: Admin can view account information

Software requirement specification

SRS-40: The system shall gets data from database
SRS-42: The system shall provide user interface to show account information

URS-13: Admin can view promotion list

Introduction

Admin can view promotion list in system.

Processing

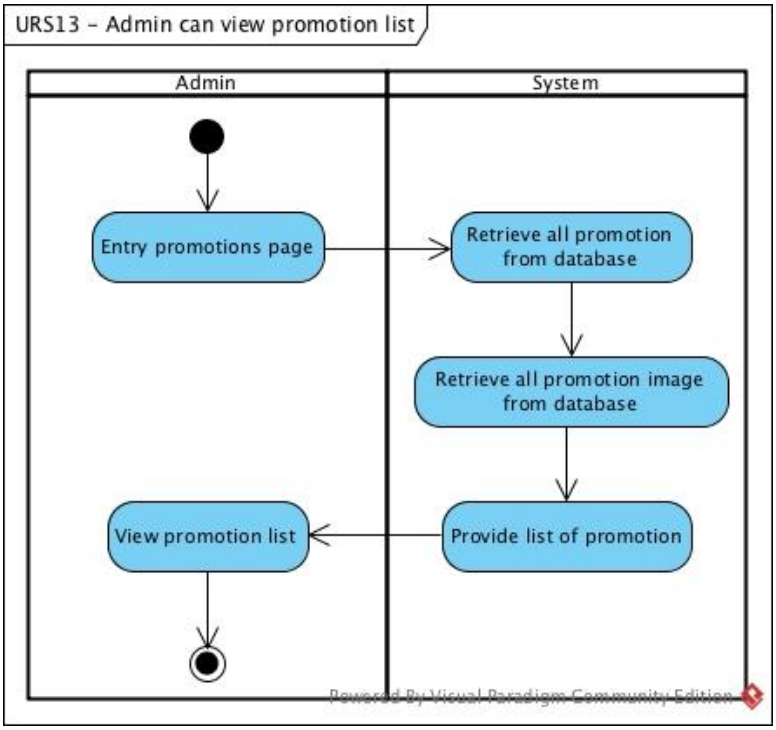

Figure 3.21: AD13: Admin can view promotion list

Software requirement specification

SRS-40: The system shall get data from database
SRS-43: The system shall provide user interface to show promotion list

URS-14: Admin can view promotion information

Introduction

Admin can view promotion information included image.

Processing

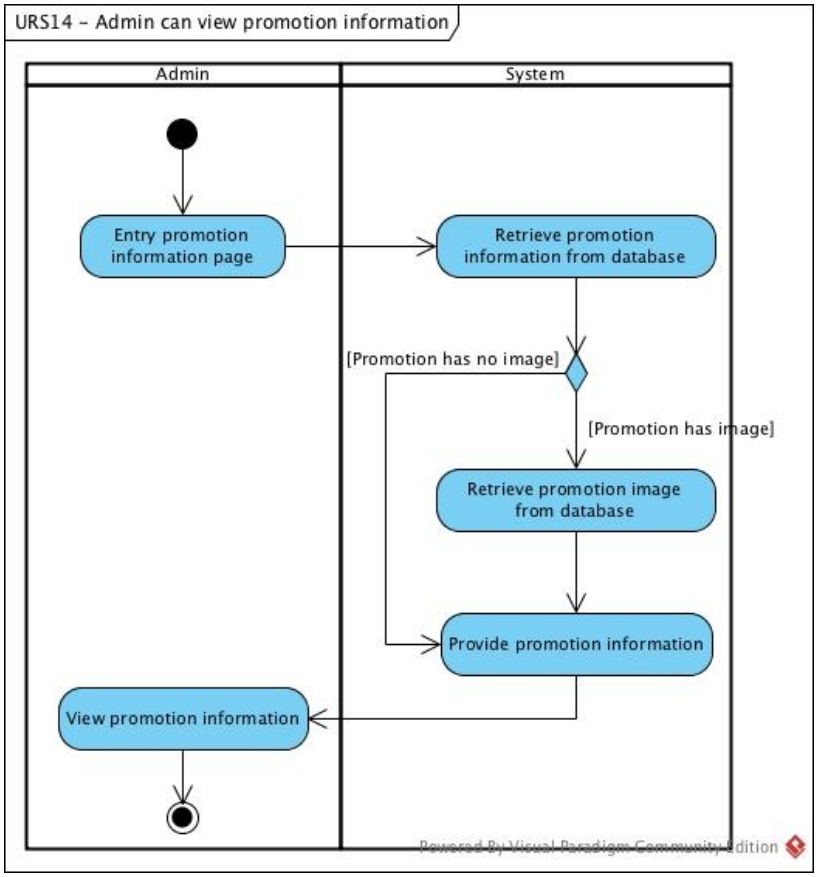

Figure 3.22: AD14: Admin can view promotion information

Software requirement specification

SRS-40: The system shall gets data from database
SRS-44: The system shall provide user interface to show promotion information

URS-15: Admin can view user logs

Introduction

Admin can view user logs

Processing

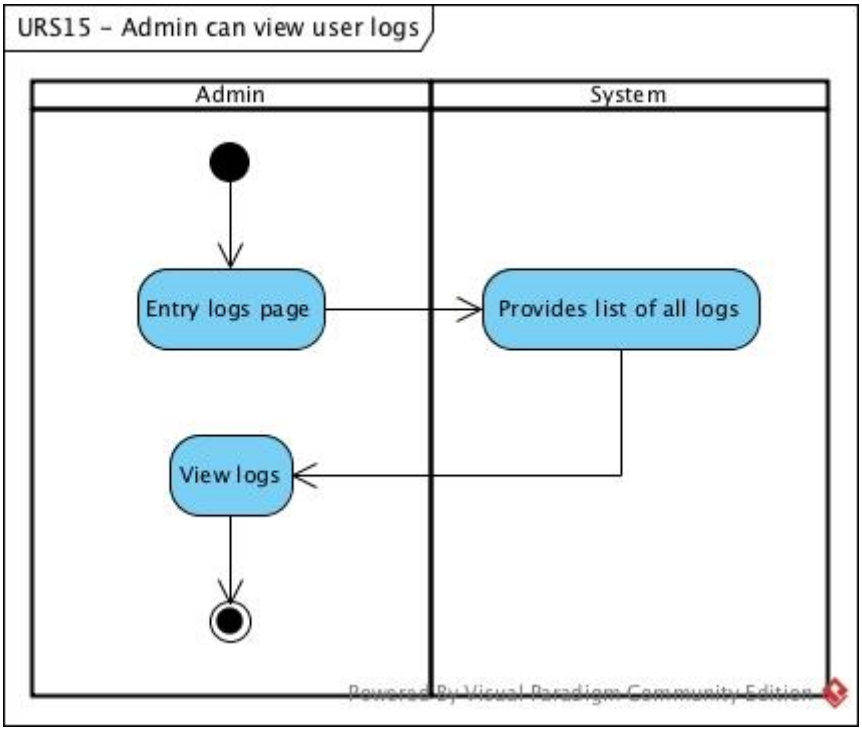

Figure 3.23: AD15: Admin can view user logs

Software requirement specification

SRS-40: The system shall gets data from database
SRS-45: The system shall provide user interface to show user logs

URS-16: Admin can view redeem code list

Introduction

Admin can view redeem code list in system.

Processing

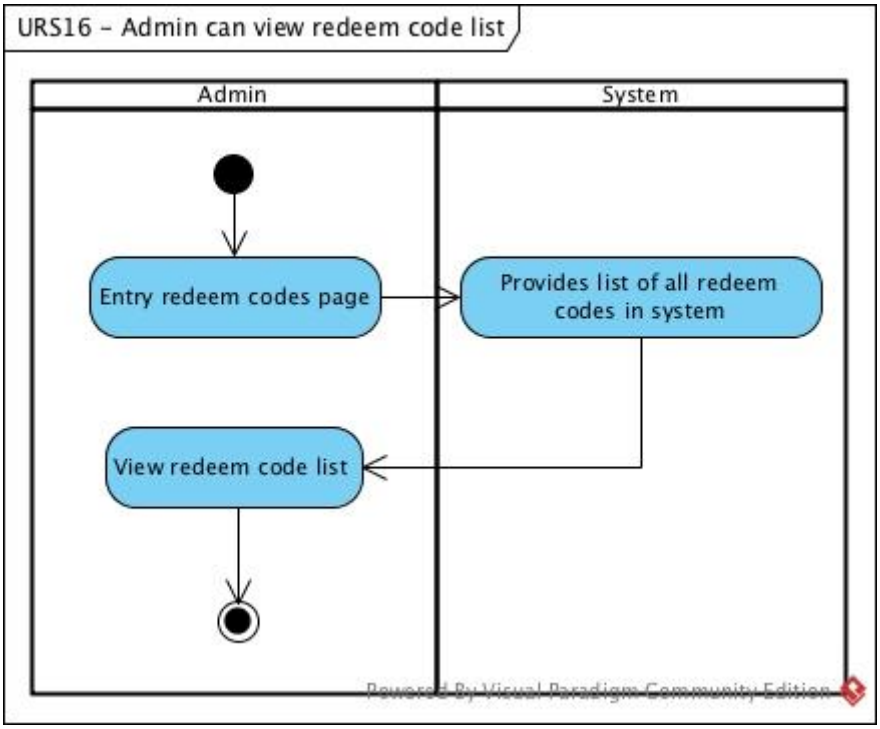

Figure 3.24: AD16: Admin can view redeem code list

Software requirement specification

SRS-40: The system shall gets data from database
SRS-46: The system shall provides user interface to show redeem code list

URS-17: Admin can view redeem code information

Introduction

Admin can view redeem code information.

Processing

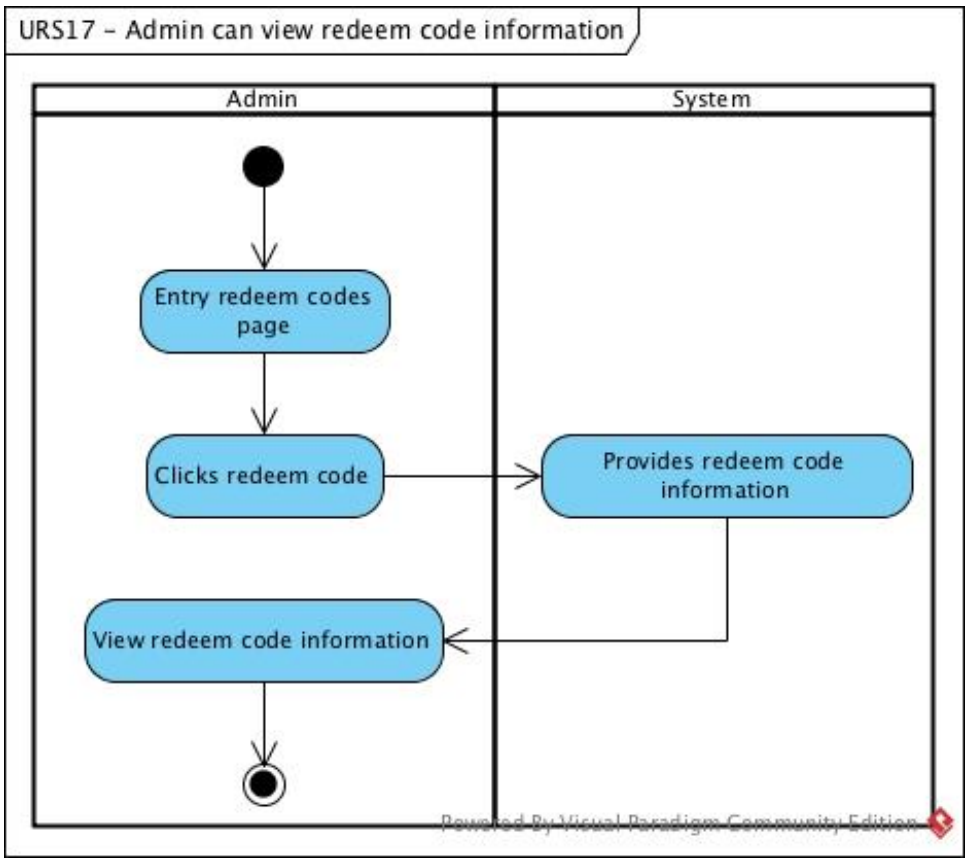

Figure 3.25: AD17: Admin can view redeem code information

Software requirement specification

SRS-40: The system shall gets data from database
SRS-47: The system shall provides user interface to show redeem code information

URS-18: Admin can view mobile user list

Introduction

Admin can view mobile user list

Processing

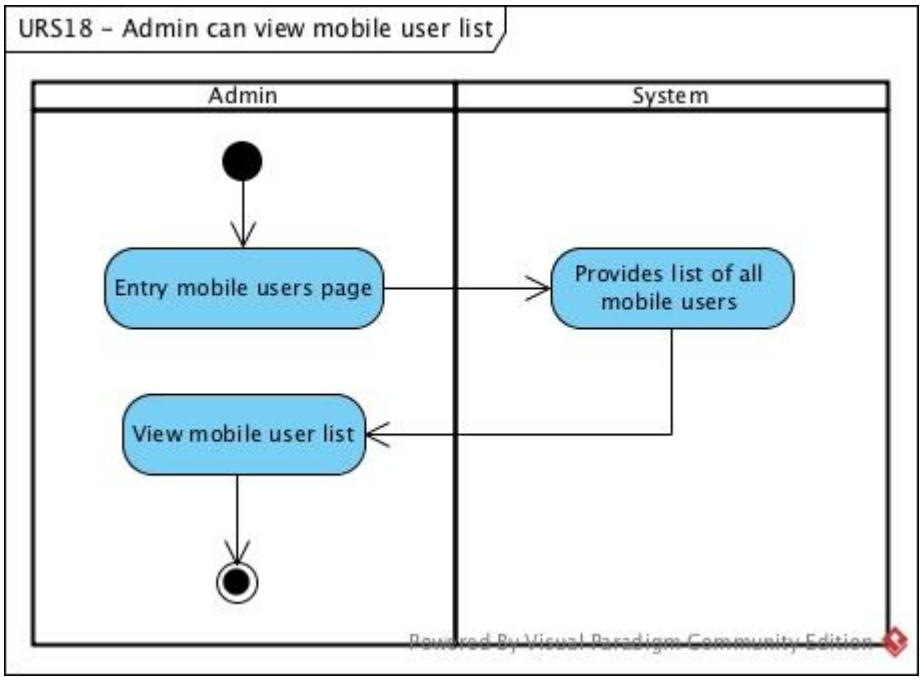

Figure 3.26: AD18: Admin can view mobile user list

Software requirement specification

SRS-40: The system shall gets data from database
SRS-48: The system shall provides user interface to show mobile user list

URS-19: Admin can view mobile user information

Introduction

Admin can view mobile user information

Processing

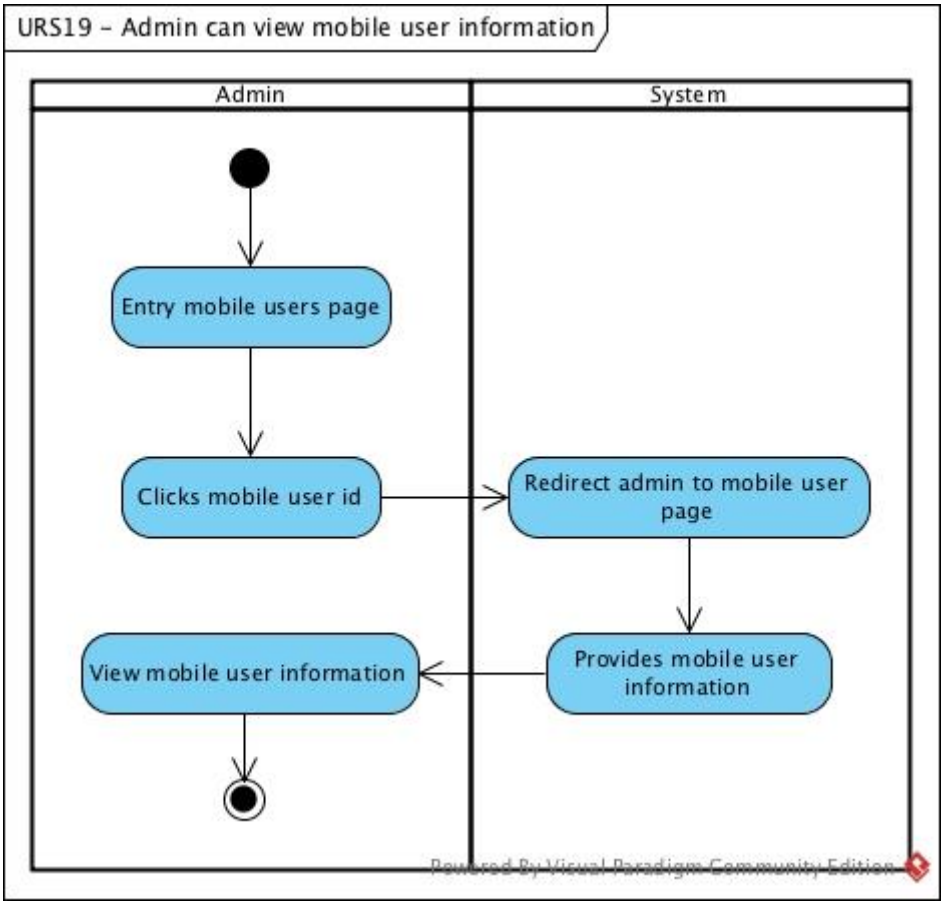

Figure 3.27: AD19: Admin can view mobile user information

Software requirement specification

SRS-40: The system shall gets data from database
SRS-49: The system shall provides user interface to show mobile user information

URS-20: Admin can search account by shop name

Introduction

Admin can search account by input shop name

Processing

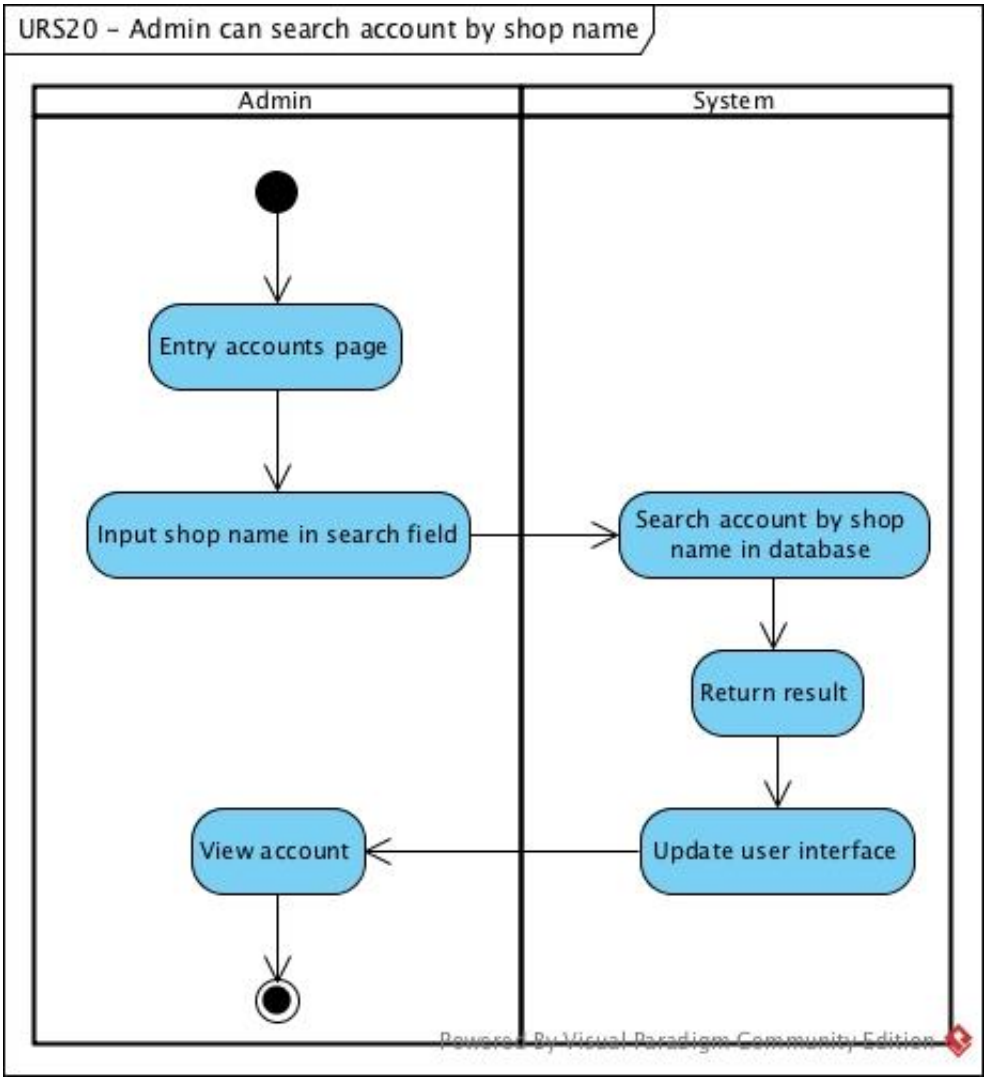

Figure 3.28: AD20: Admin can search account by shop name

Software requirement specification

SRS-50: The system shall find account by shop name in database
SRS-37: The system shall return account list
SRS-41: The system shall provides user interface to show account list

URS-21: Admin can search account by email

Introduction

Admin can search account by input email

Processing

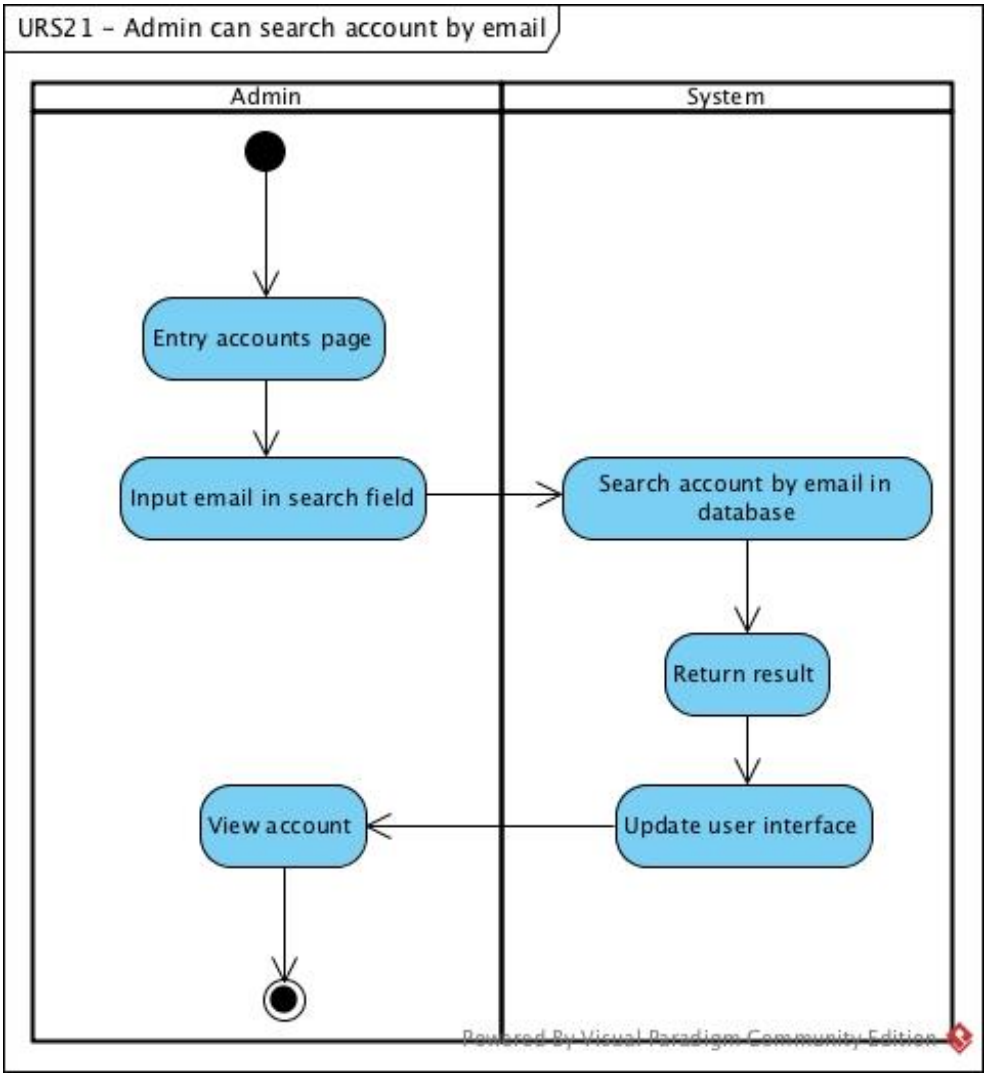

Figure 3.29: AD21: Admin can search account by email

Software requirement specification

SRS-51: The system shall find account by shop email in database
SRS-37: The system shall return account list
SRS-41: The system shall provides user interface to show account list

URS-22: Admin can search account by id

Introduction

Admin can search account by input id

Processing

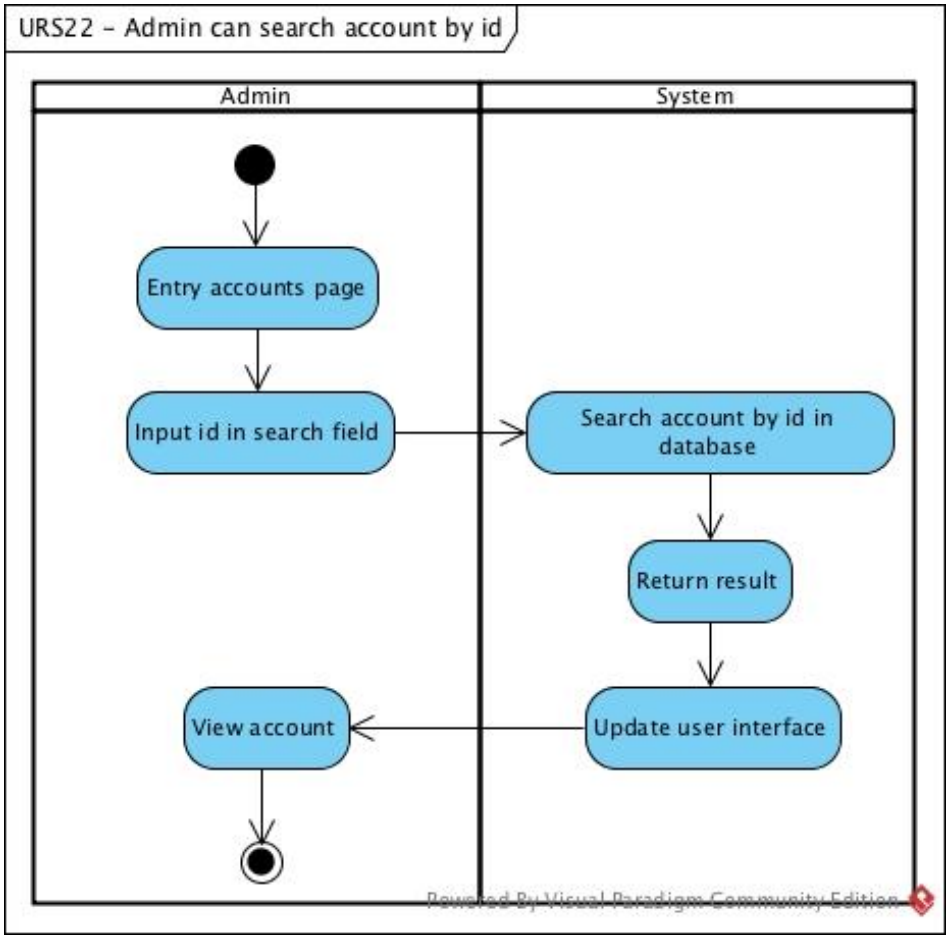

Figure 3.30: AD22: Admin can search account by id

Software requirement specification

SRS-52: The system shall find account by shop id in database
SRS-37: The system shall return account list
SRS-41: The system shall provides user interface to show account list

URS-23: Admin can search promotion by name

Introduction

Admin can search promotion by input promotion name

Processing

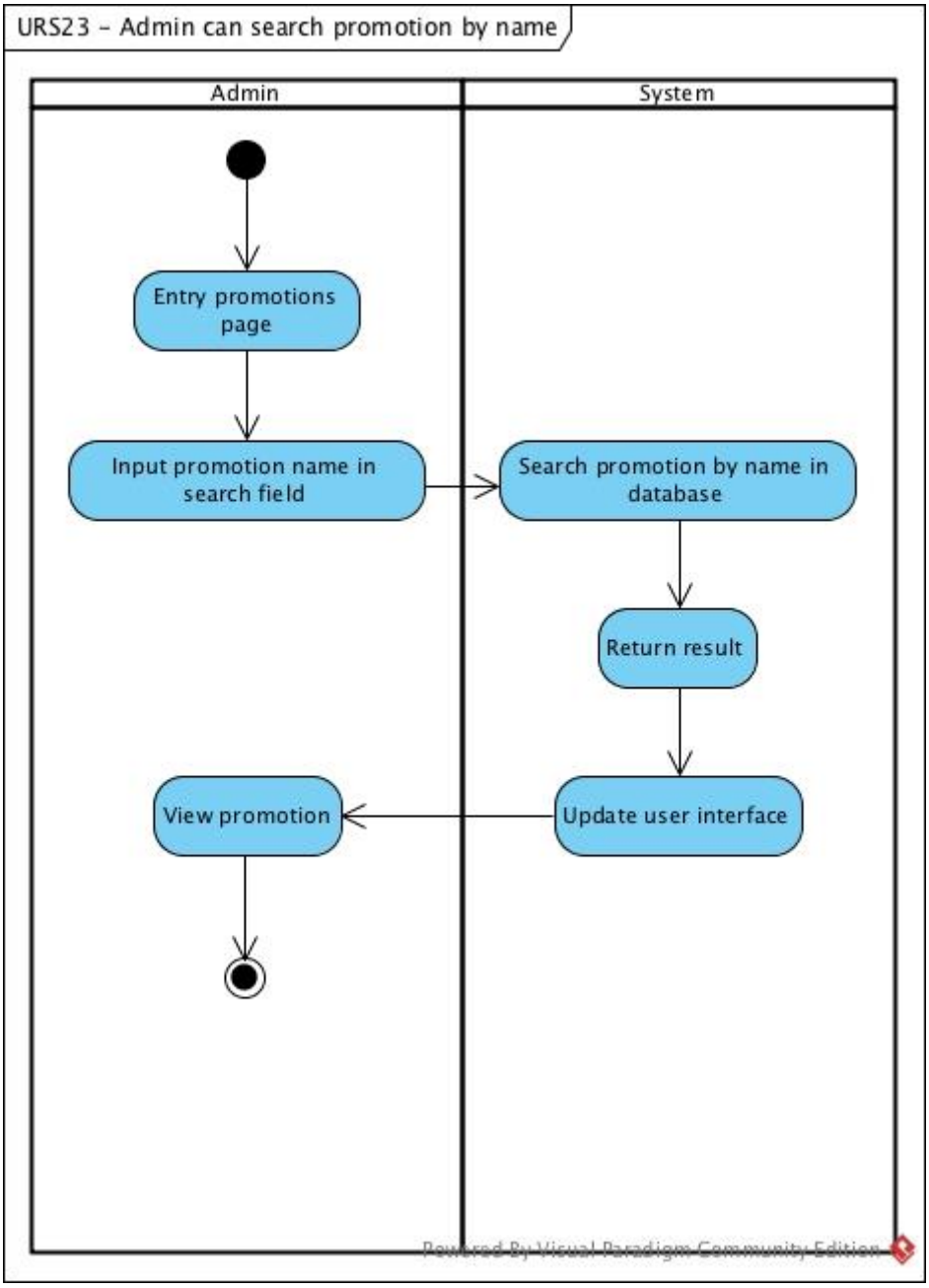

Figure 3.31: AD23: Admin can search promotion by name

Software requirement specification

SRS-54: The system shall find promotion by name in database
SRS-53: The system shall return promotion list
SRS-43: The system shall provides user interface to show promotion list

URS-24: Admin can search promotion by id

Introduction

Admin can search promotion by input promotion id

Processing

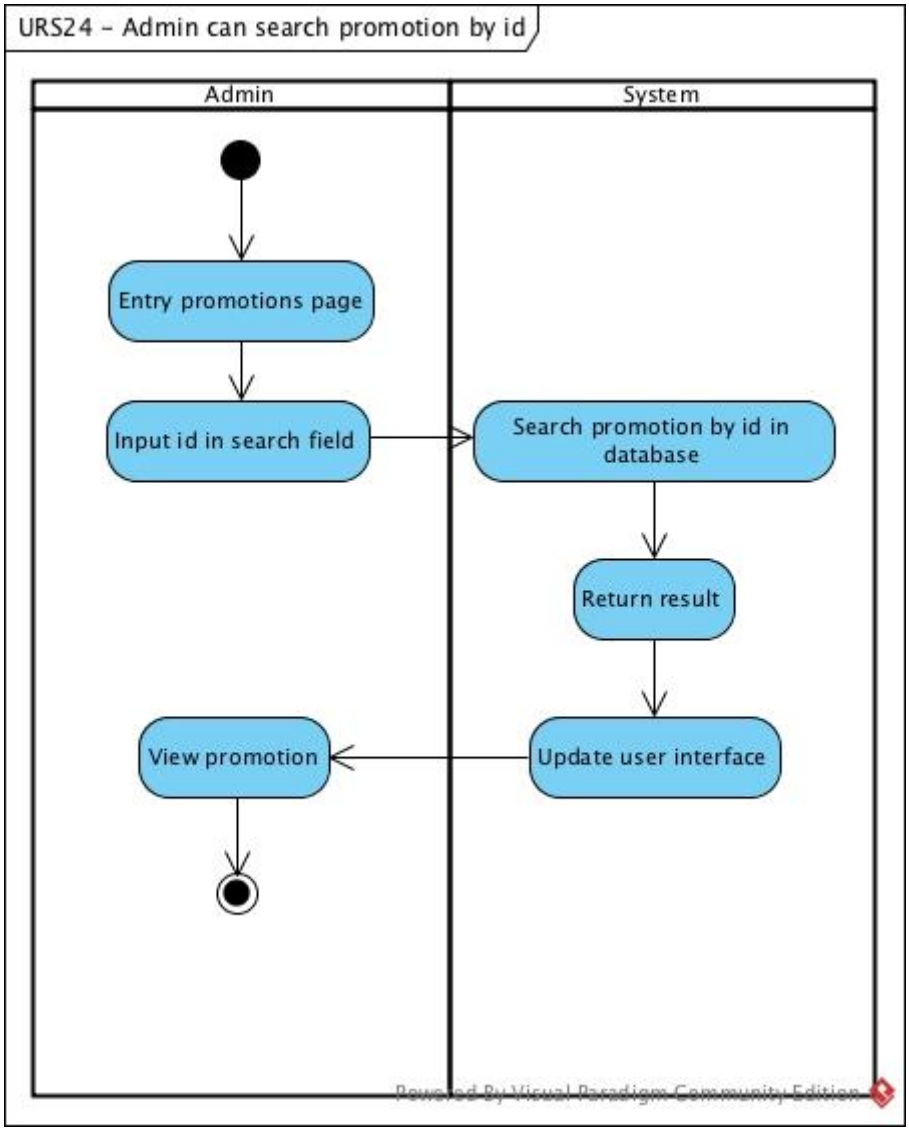

Figure 3.32: AD24: Admin can search promotion by id

Software requirement specification

SRS-55: The system shall find promotion by id in database
SRS-53: The system shall return promotion list
SRS-43: The system shall provides user interface to show promotion list

URS-25: Admin can search promotion by shop name

Introduction

Admin can search promotion by input shop name

Processing

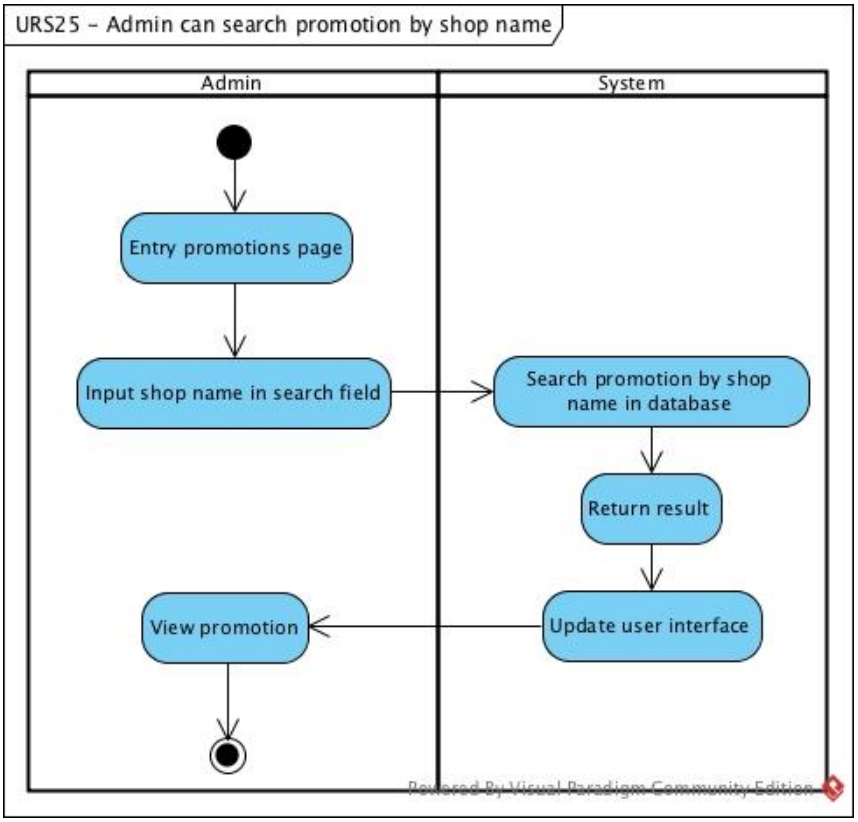

Figure 3.33: AD25: Admin can search promotion by shop name

Software requirement specification

SRS-56: The system shall find promotion by shop name in database
SRS-53: The system shall return promotion list
SRS-43: The system shall provides user interface to show promotion list

URS-26: Admin can search logs by function

Introduction

Admin can search user logs by function

Processing

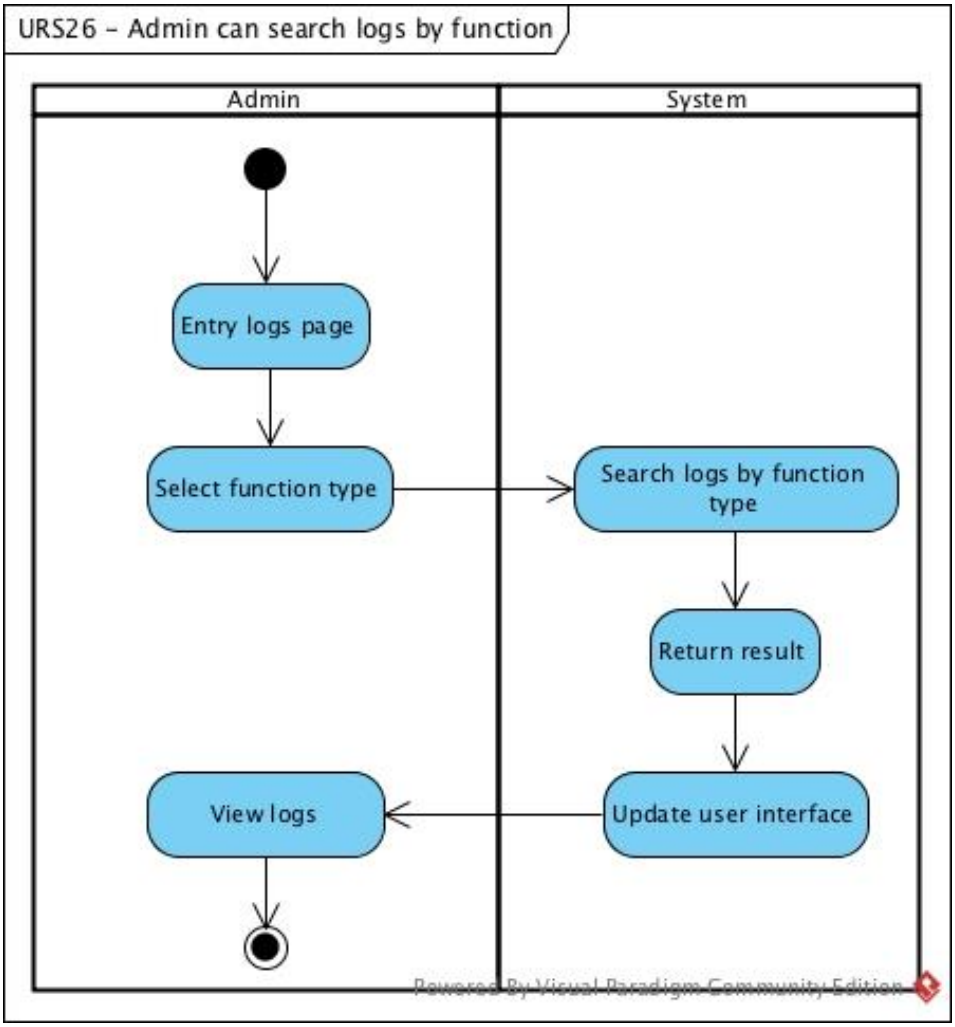

Figure 3.34: AD26: Admin can search logs by function

Software requirement specification

SRS-57: The system shall find logs by function in database
SRS-50: The system shall return logs list
SRS-45: The system shall provides user interface to show user logs

URS-27: Admin can search logs by shop name

Introduction

Admin can search user logs by shop name

Processing

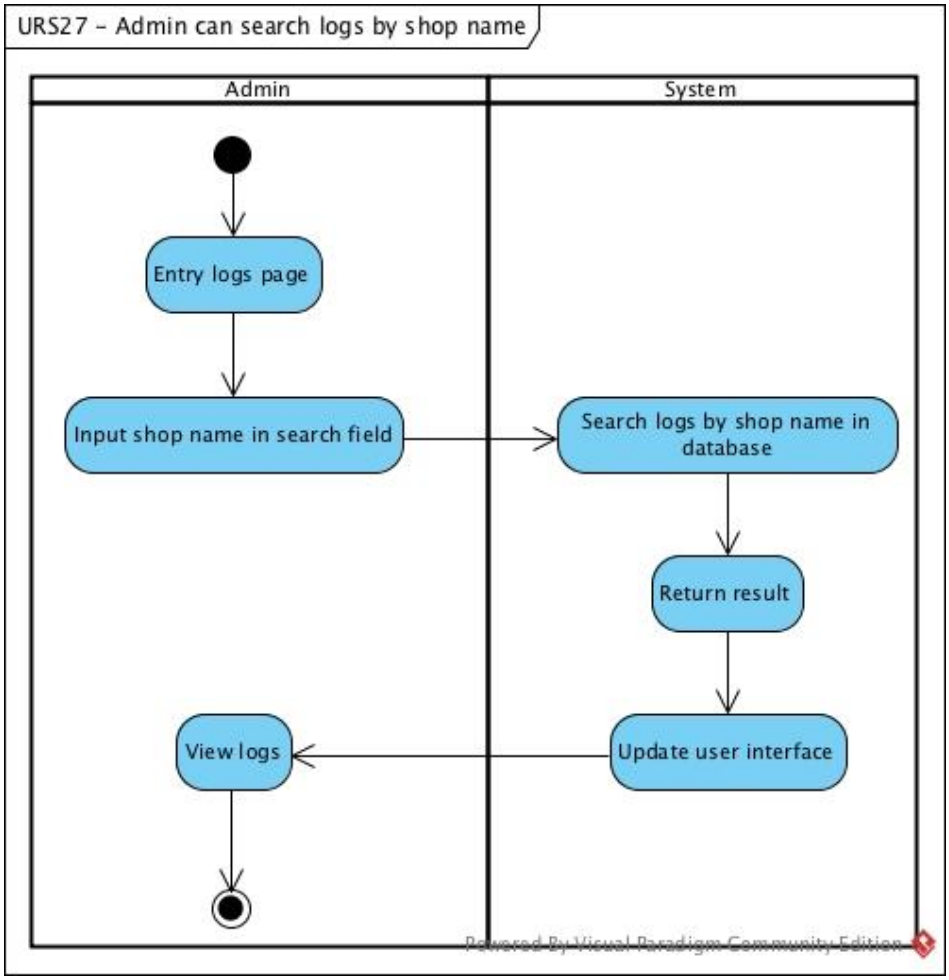

Figure 3.35: AD27: Admin can search logs by shop name

Software requirement specification

SRS-49: The system shall find logs by shop name in database
SRS-50: The system shall return logs list
SRS-45: The system shall provides user interface to show user logs

URS-28: Admin can search logs by email

Introduction

Admin can search user logs by email

Processing

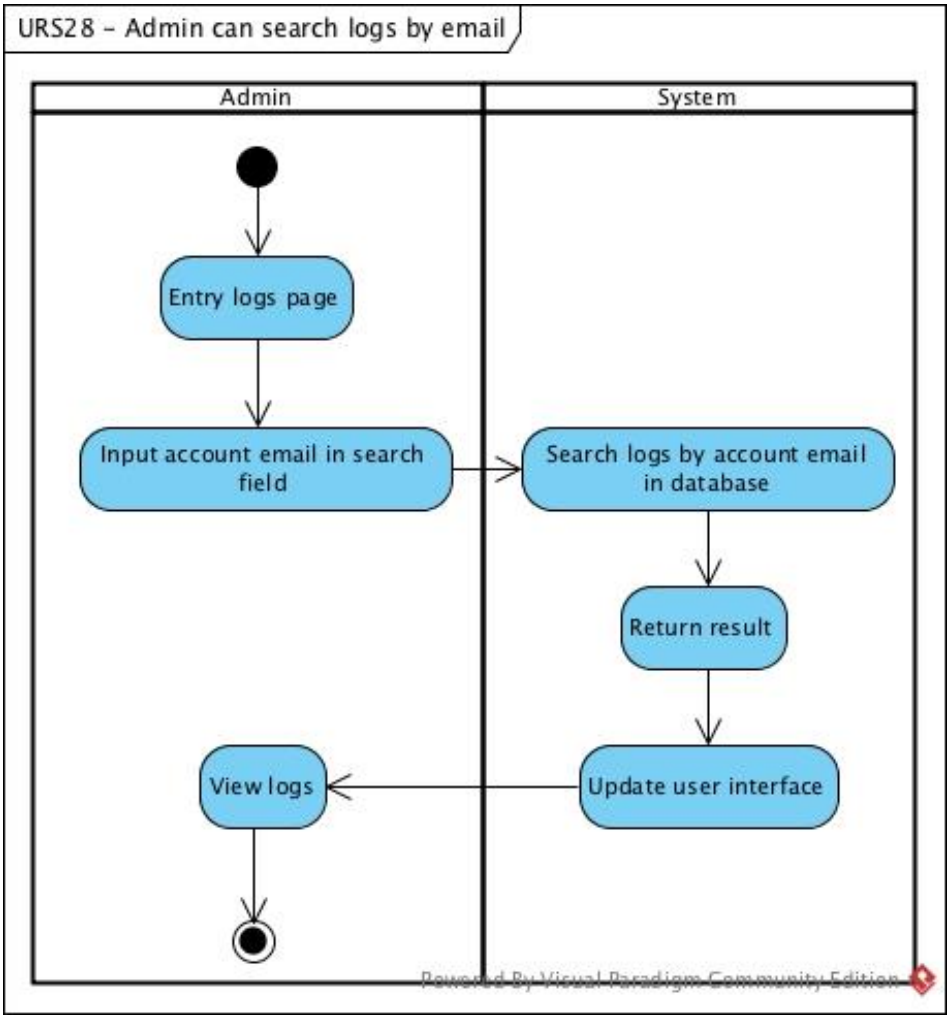

Figure 3.36: AD28: Admin can search logs by email

Software requirement specification

SRS-51: The system shall find logs by email in database
SRS-50: The system shall return logs list
SRS-45: The system shall provides user interface to show user logs

URS-29: Admin can change password

Introduction

Admin can change their password, this operation required admin to input new password and confirm new password

Processing

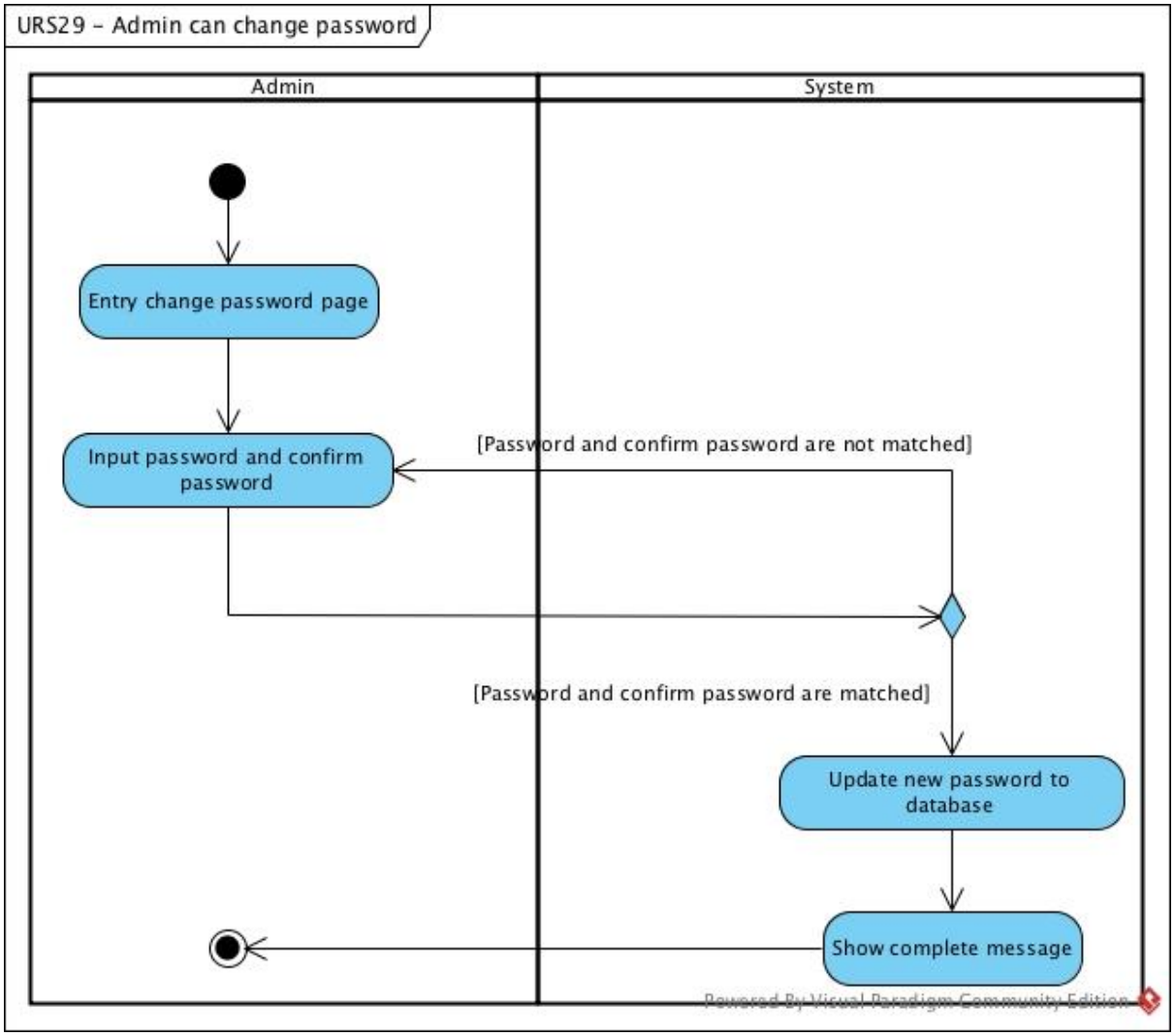

Figure 3.37: AD29: Admin can change password

Software requirement specification

SRS-52: The system shall verify password and confirm password
SRS-14: The system shall updates new input information to database

5.2 Shop owner (Web Server)

URS-30: Shop owner can add promotion

Introduction

Shop owner can add their own promotion. The shop owner have to input promotion information. When shop owner has added promotion then the promotion will appear on their shop.

Processing

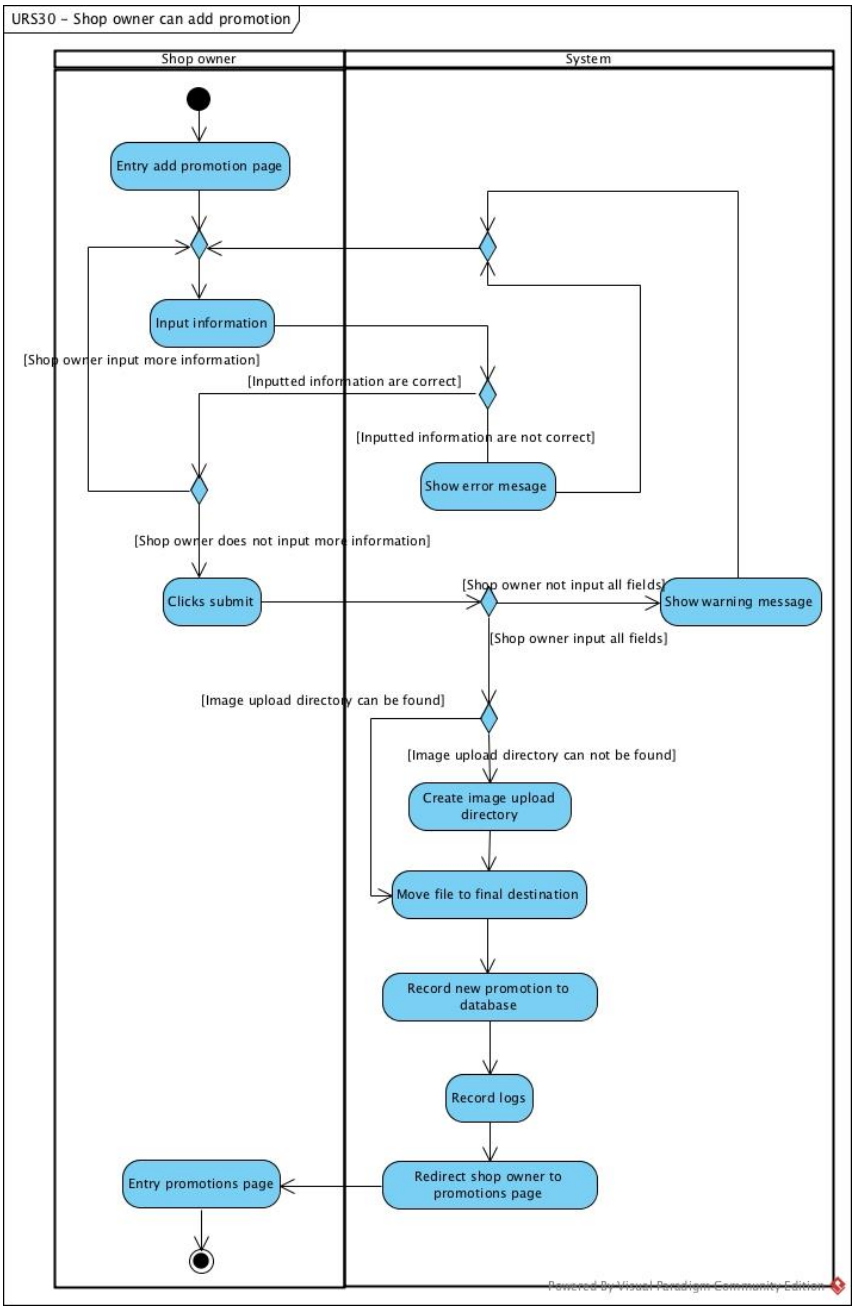

Figure 3.38: AD30: Shop owner can add promotion

Software requirement specification

SRS-18: The system shall provides add promotion user interface to add new promotion
SRS-19: The system shall checks consistency between start date and end date
SRS-29: The system shall creates a sub directory for promotion
SRS-27: The system shall upload image to directory
SRS-28: The system shall gets file path
SRS-20: The system shall checks all input required
SRS-21: The system shall records new promotion into database

URS-31: Shop owner can edit promotion

Introduction

Shop owner can edit their own promotion. This operation, shop owner can update the existing information or shop owner might input new information included promotion image.

Processing

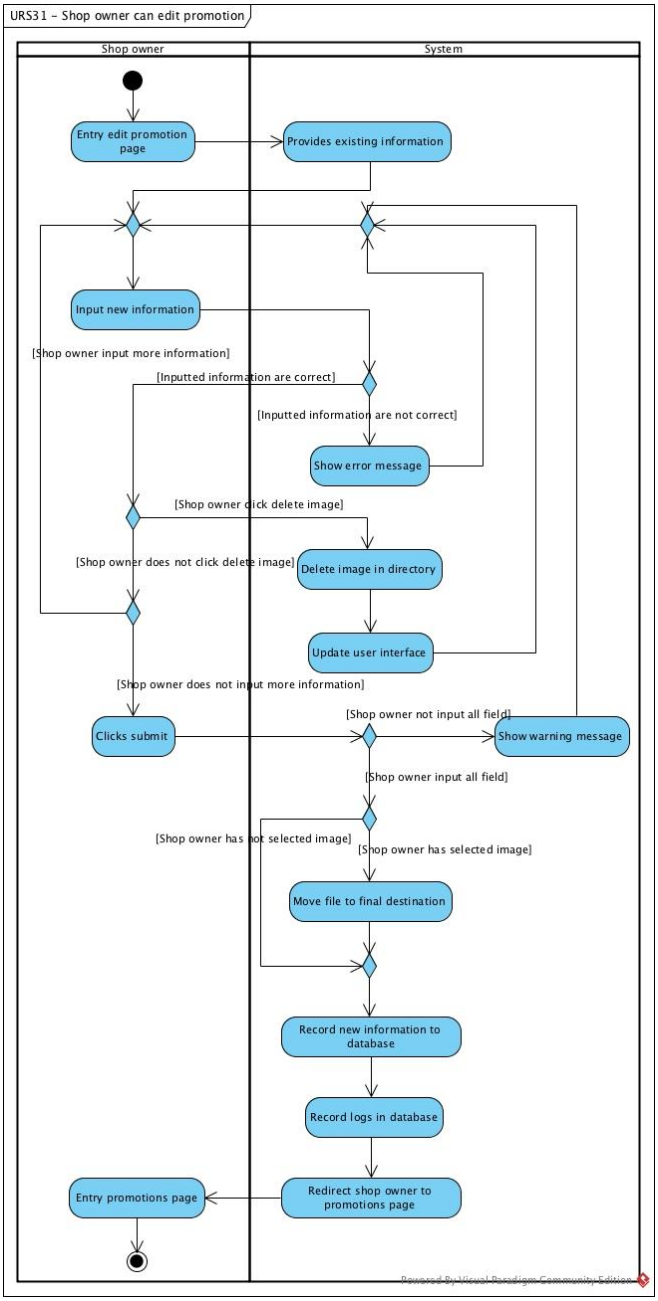

Figure 3.39: AD31: Shop owner can edit promotion

Software requirement specification

SRS-22: The system shall provides edit promotion user interface to edit promotion
SRS-19: The system shall checks consistency between start date and end date
SRS-20: The system shall checks all input required.
SRS-21: The system shall records new promotion into database.

URS-32: User can delete promotion

Introduction

Shop owner can delete unwanted promotion. When shop owner has deleted their promotion, the deleted promotion will disappear from shop owner account. This operation can not undo.

Processing

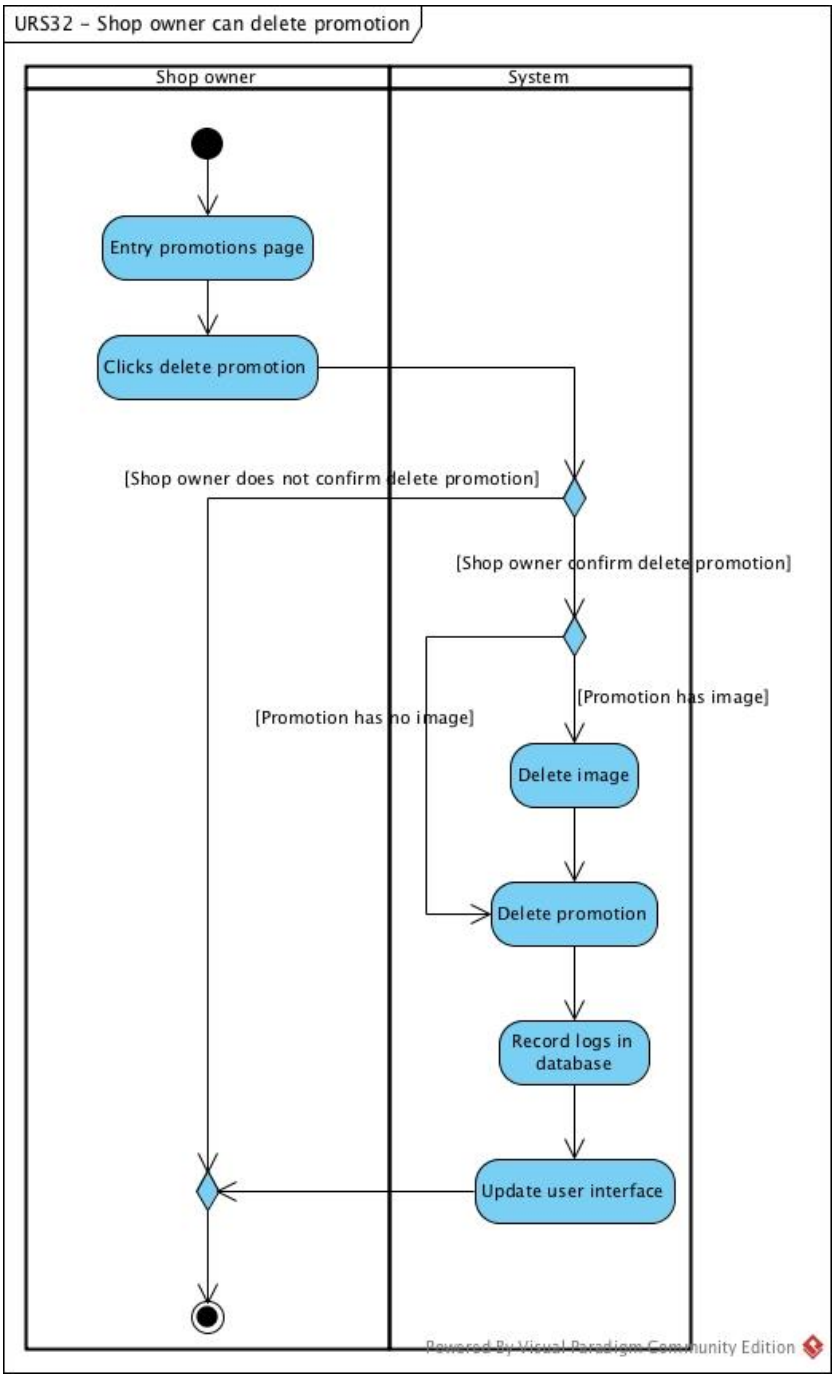

Figure 3.40: AD32: User can delete promotion

Software requirement specification

SRS-09: The system shall provides user interface to delete promotion
SRS-30: The system shall removes image in directory
SRS-31: The system shall checks there is no image in directory
SRS-32: The system shall removes directory
SRS-33: The system shall removes image path in database
SRS-24: The system shall updates promotion status
SRS-34: The system shall update user interface

URS-33: Shop owner can update their profile

Introduction

Shop owner can edit their own profile. This operation, shop owner can update the existing information or user might input new information included shop image

Processing

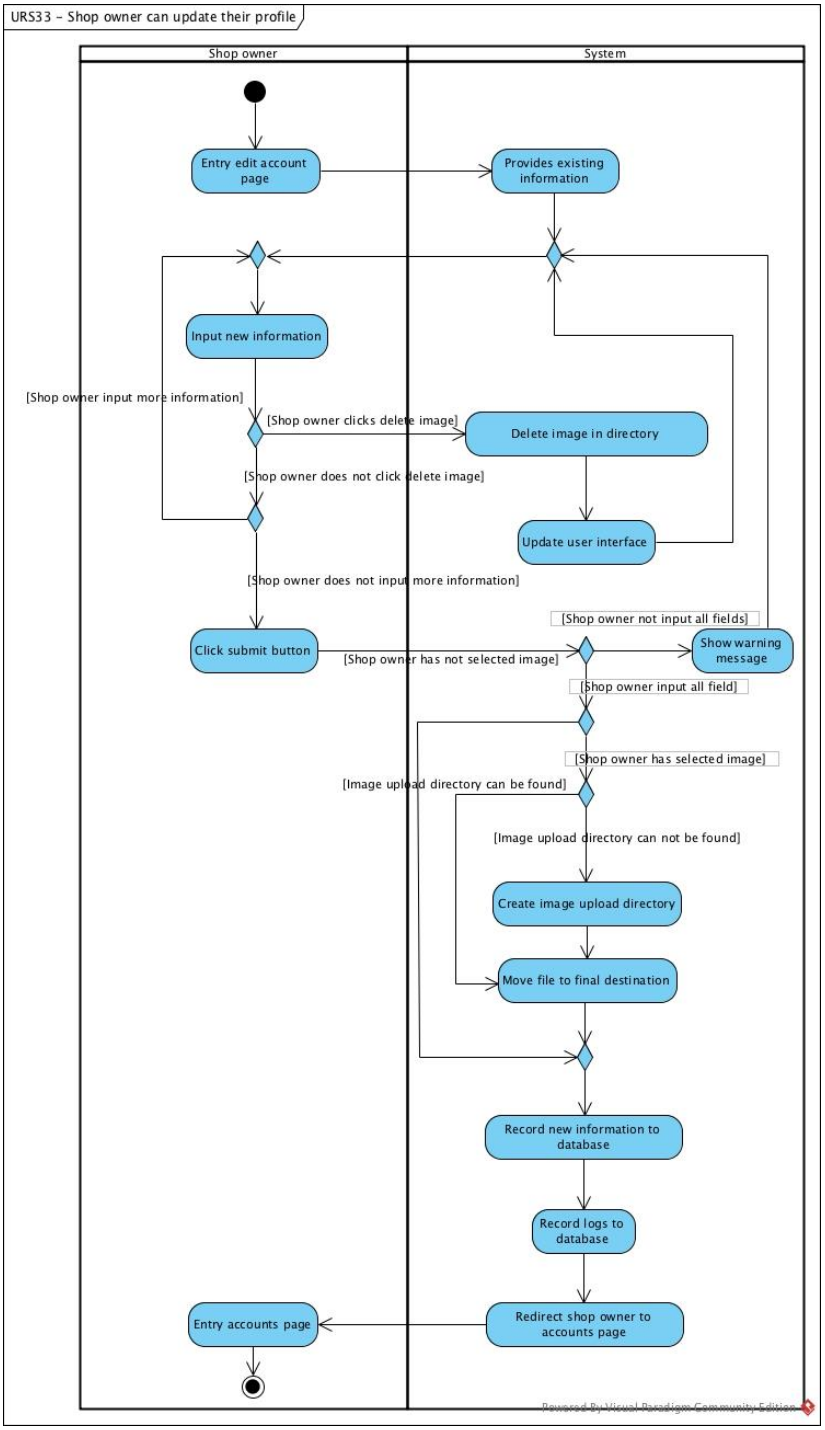

Figure 3.41: AD33: Shop owner can update their profile

Software requirement specification

SRS-13: The system shall provides edit account page to edit user account
SRS-11: The system shall checks all input required
SRS-14: The system shall updates new input information to database

URS-34: Shop owner can change password

Introduction

Shop owner can change their password

Processing

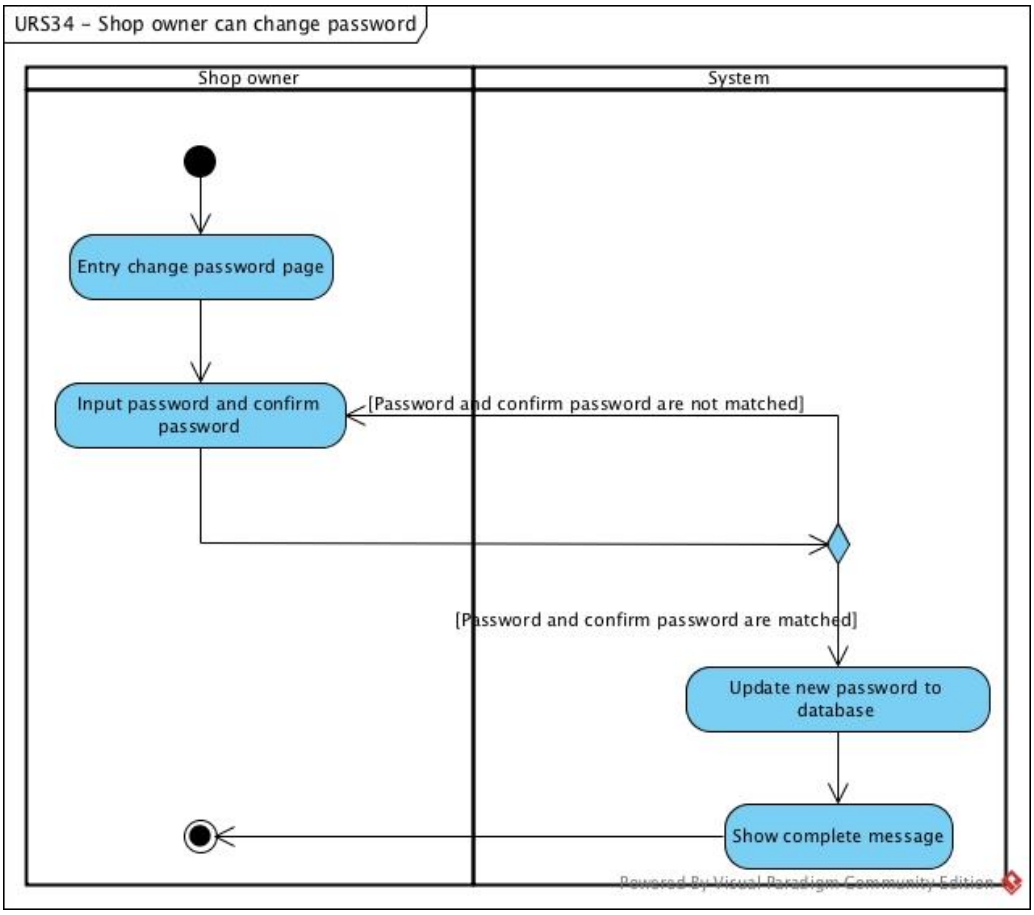

Figure 3.42: AD34: Shop owner can change password

Software requirement specification

SRS-52: The system shall verify password and confirm password
SRS-14: The system shall updates new input information to database

URS-35: Shop owner can log in to web server

Introduction

Shop owner can log in to system by input email and password. The operations in system mostly required to log in to identify user role and user information.

Processing

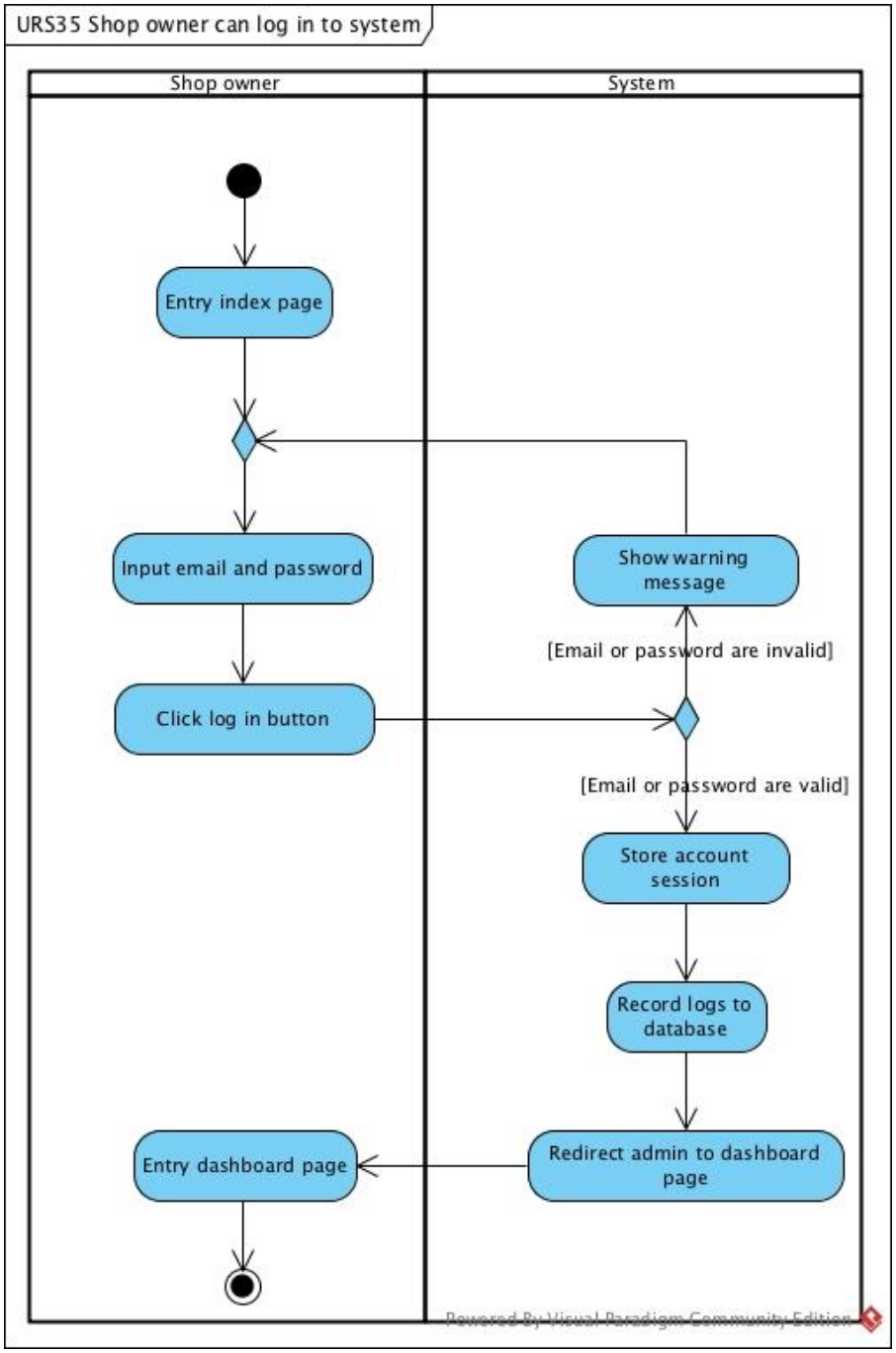

Figure 3.43: AD35: Shop owner can log in to web server

Software requirement specification

SRS-01: The system shall provides user interface to log in
SRS-02: The system shall verifies email and password
SRS-03: The system shall keeps user's session

URS-36: Shop owner can log out from web server

Introduction

Shop owner can log out from server. When the shop owner log out they can't do anything with system

Processing

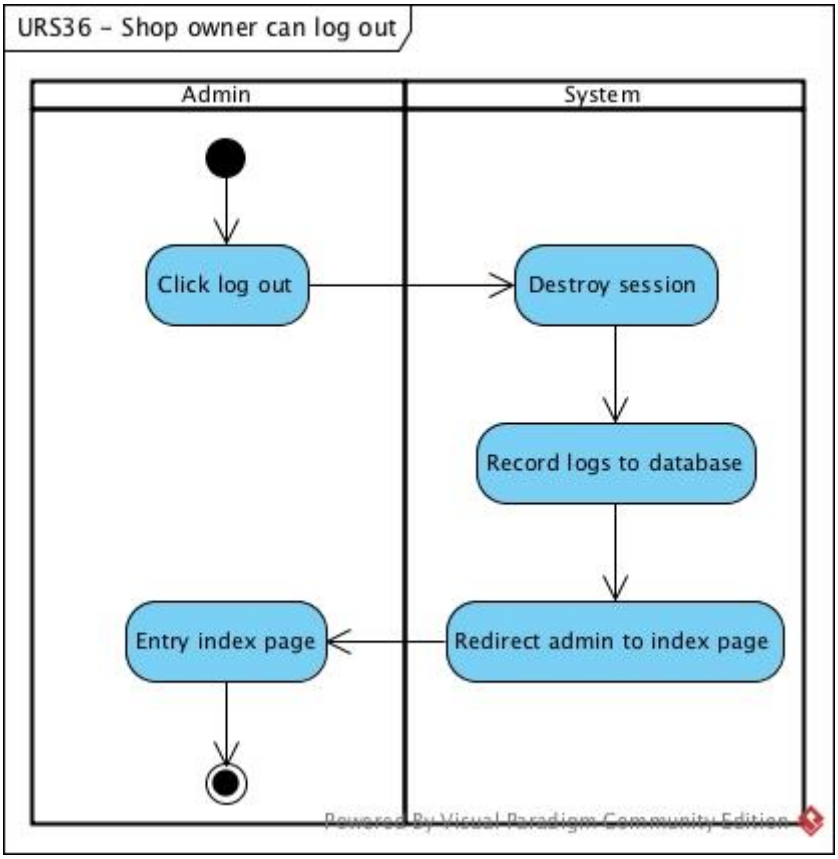

Figure 3.44: AD36: Shop owner can log out from web server

Software requirement specification

SRS-05: The system shall provides user interface to logout
SRS-04: The system shall destroys session

URS-37: Shop owner can submit redeem code

Introduction

Shop owner can submit redeem code which is get from mobile user. This operation use to deduct mobile user redeem point when they use redeem code.

Processing

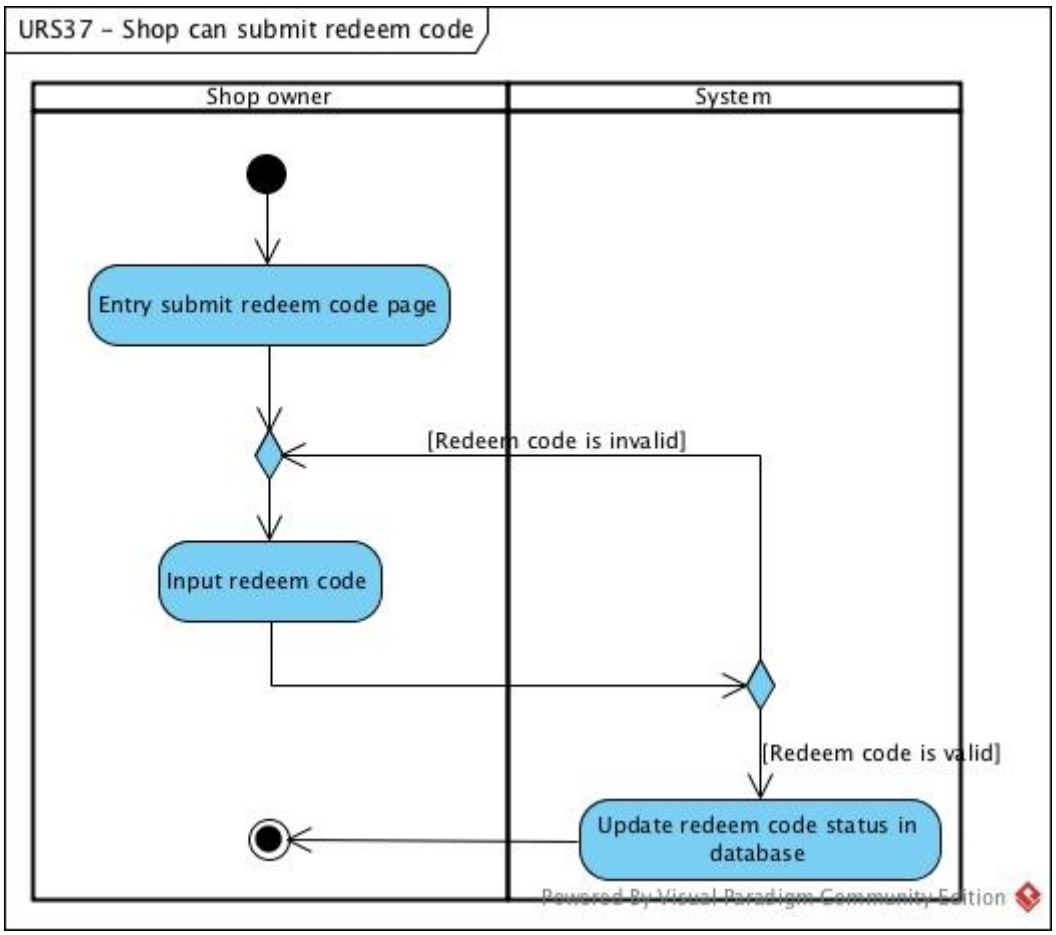

Figure 3.45: AD37: Shop owner can submit redeem code

Software requirement specification

SRS-15: The system shall verifies redeem code
SRS-53: The system shall deduct mobile user redeem point
SRS-54: The system shall update redeem code status

URS-38: Shop owner can view promotion list

Introduction

Shop owner can view promotion list

Processing

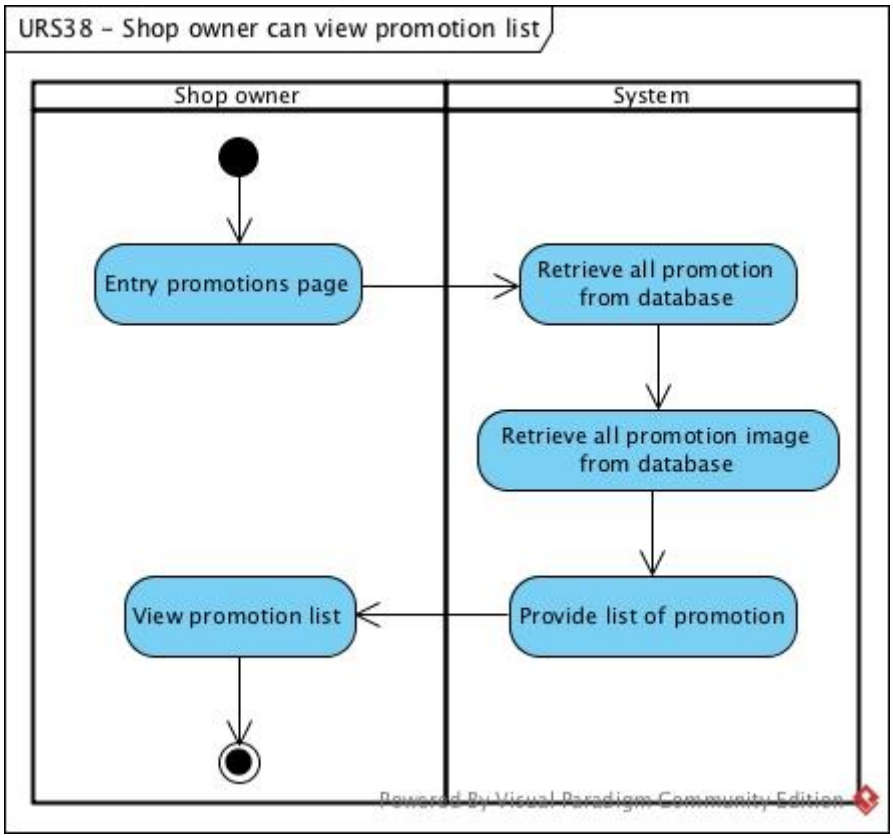

Figure 3.46: AD38: Shop owner can view promotion list

Software requirement specification

SRS-40: The system shall gets data from database
SRS-43: The system shall provide user interface to show promotion list

URS-39: Shop owner can view promotion information

Introduction

Shop owner can view promotion information

Processing

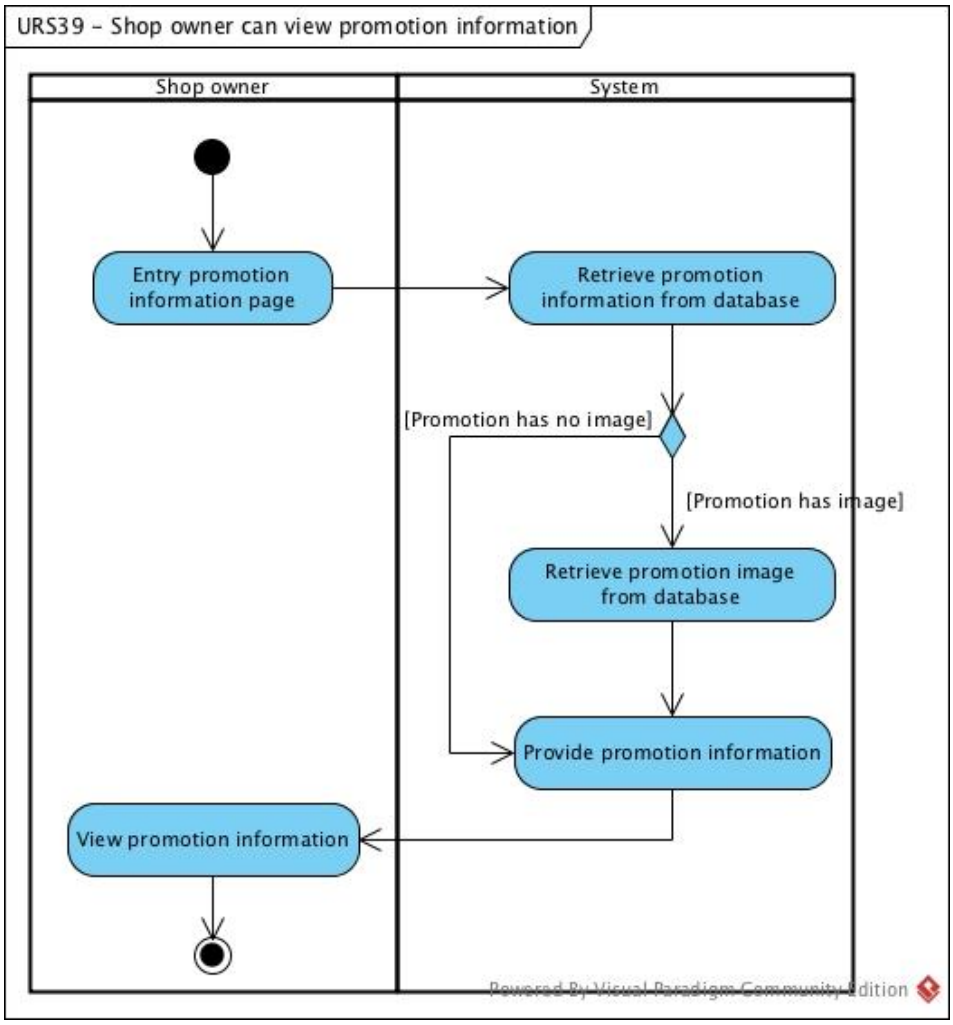

Figure 3.47: AD39: Shop owner can view promotion information

Software requirement specification

SRS-40: The system shall gets data from database
SRS-44: The system shall provide user interface to show promotion information

5.3 Guest (Web Server)

URS-40: Guest can sent register request

Introduction

Guest can sent register request to admin. Guest have to input the account information.

Processing

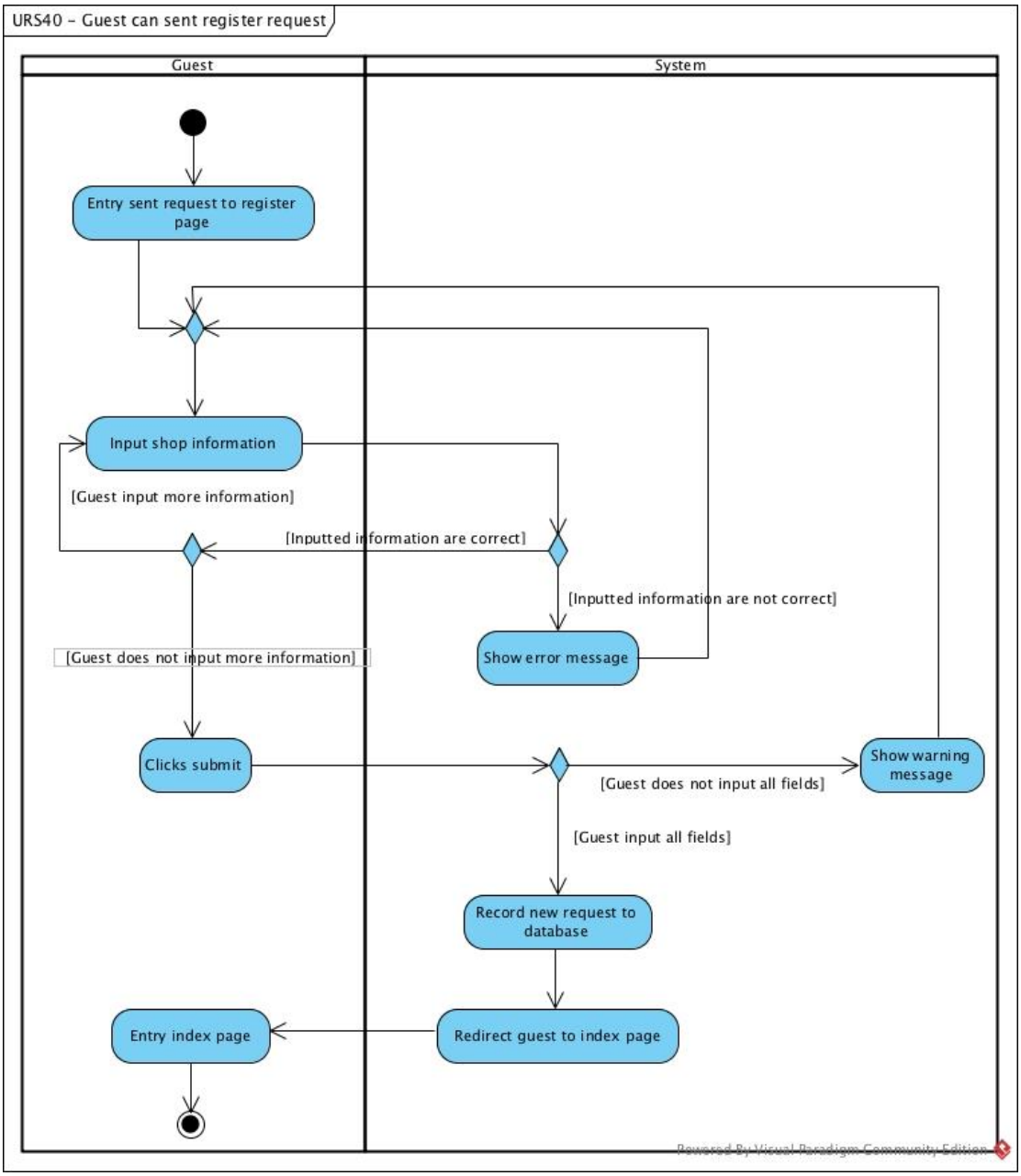

Figure 3.48: AD40: Guest can sent register request

Software requirement specification

SRS-64: The system shall provide register request page to send request to register.
SRS-07: The system shall checks not available email in database.
SRS-11: The system shall checks all input required.
SRS-65: The system shall records new request into database.