Social Media News Tracking System

Software Requirement Specification

By

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Document History

Document name	Version	Status	Date	Viewable	Reviewer	Responsible
Documents						
SMTS_SRS_v.0.1. docx	0.1 • Add User Requirement Specification (URS) : URS-01 – URS-10 • Add User Requirement Specification Description for URS-01, URS-02, URS-03, URS-04, URS-05, URS-07, URS-08, and URS-09 • Add System requirement specification (SRS) for URS-01, URS-02, and URS-03	Draft	July 9,2015	PP, SB, CD	PP, SB	PP, SB
SMTS_SRS_v.0.2. docx	0.2 • Add Document Purpose. • Add Project Scope. • Add User Characteristics. • Add Operation Environment. • Add Acronyms and Definition. • Add User Scenario. • Edit User Requirement Specification Description for URS-01, URS-02, and URS-03. • Add System requirement specification (SRS) for URS-04, URS-05.	Draft	August 8,2015	PP, SB, CD	PP, SB	PP, SB
SMTS_SRS_v.0.3. docx	0.3 • Edit User Requirement Specification Description for URS-01 to URS-05. • Add System requirement specification (SRS) for URS-06 to URS-13.	Draft	August 26, 2015	PP, SB, CD	PP, SB	PP, SB

SMTS_SRS_v.0.4. docx	0.4
	• Divide URS-05 into URS-05, 06 and 07
	• Change number of URS:
	  - 06 to 08
	  - 07 to 09
	  - 08 to 10
	  - 09 to 11
	  - 10 to 12
	  - 11 to 13
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		- 12 to 14 - 13 to 15 • Add User Requirement Specification Description and System requirement specification (SRS) for URS-05, URS-06, and URS-07. • Add more SRS to each URS.					
SMTS_SRS_v.1.0. docx	1.0	• Check the correctness and format.	Released	August 28, 2015	PP, SB, CD	PP, SB	PP, SB

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Chapter One | Introduction

1.1 Document Purpose

The purpose of software requirements specification (SRS) document is to provide the detailed description of the functionalities of Social Media News Tracking System. This document was gathering the requirement that relate to the user who will use this system. The requirements will be sorted out by each type (URS, SRS, etc.). This document will be used with a design the system in the design document and implement the system.

1.2 Project Scope

Social Media News Tracking System is a responsive web application that run on the web browser. It will help user can search and check the rumor on the threes popular social network in Thailand including "Pantip, Facebook, and Twitter". It will crawl on these social media application and analyzes the media post by the users. If the content of the media is related to what the user interest, the application will alert the users so the user can handle the situation as soon as possible.

1.3 User Characteristics

- **Guest**: Guest is the people who are not yet to register on the system. Guest can only use the searching feature of this system, and register to become the member.
- **Member**: Member is the people who already registered on the system Member can use all of feature that provide in this system.

1.4 Operation Environment

Social Media News Tracking System is the web application that run on the web browser, so all of character need the internet connection to run this system. The application has to parse on the "Pantip, Facebook, and Twitter" website, so the user has to have the Facebook and Twitter account. Then the user has to log in to the system before start using this application.

1.5 Acronyms and Definition

1.5.1 Acronyms

Acronyms	Explanation
UC	Use Case
SRS	Software Requirement Specification(For the document name)
SRS	System Requirement Specification(For the content in the document)
URS	User Requirement Specification

1.5.2 Definition

Definition	Explanation
Use case	The scenario to describe overall system, relation with users and sub System.
Requirement Specification	Document to specify requirement from customer or users. It can describe relation between user and system. And it can describe what developer will develop.
Current password	The password that is now using to log in.
New password	The password that user need to change for using to log in.
Blue number	The amount of result that already found.
Red number	The amount of the new result.
users	Guest, Member

Chapter Two | Specific Requirement

2.1 User Scenario

Overall use case of Social Media News Tracking System
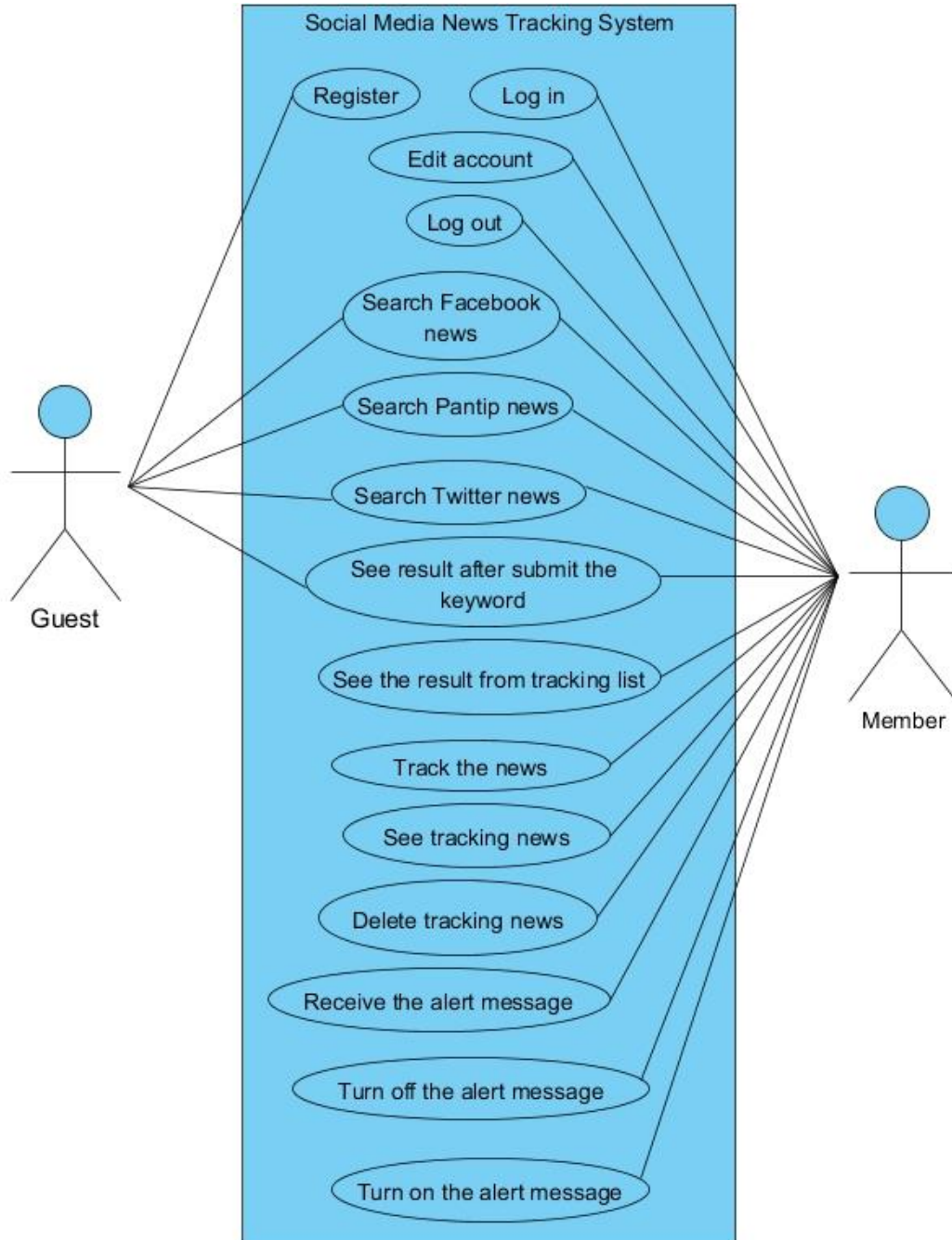
Figure 1 Overall use case of Social Media News Tracking System

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Chapter Three | Requirement Specification

3.1 Functional Requirement

3.1.1 User Requirement Specification (URS)

URS-01: The Guest registers to the system.
URS-02: The Member logs in to the system.
URS-03: The Member edits the account.
URS-04: The Member logs out from the system.
URS-05: The users search the Facebook news.
URS-06: The users search the Pantip news.
URS-07: The users search the Twitter news.
URS-08: The users see the result after searching the news.
URS-09: The Member sees the result from tracking list.
URS-10: The Member tracks the news from searched keyword.
URS-11: The Member sees the tracking news in the tracking list.
URS-12: The Member deletes the tracking news in the tracking list.
URS-13: The Member receives the alert message from the system.
URS-14: The Member turns off the alert message function.
URS-15: The Member turns on the alert message function.

3.1.2 User Requirement Specification Description

Feature 1: User Management system.

    UC-01: Register

- URS-01: The Guest registers to the system.

Description:

Use Case ID:	UC-01		
Use Case Name:	Register		
Create By :	Pichet Potha Sittipong Borripan	**Last update by :**	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	**Last Revision Date :**	August 26, 2015
Actor:	Guest		
Description:	UC-01 is used, when the Guest wants to use more function on Social Media News Tracking System.		
Trigger:	The Guest selects "Sign up" to create an account.		
Pre-condition:	• The Guest has not logged in to the system. • The Guest stays on Homepage.		
Post-condition:	• The system saves user information into a system. • The Guest logs in to the system and stay on Homepage.		
Input data:	**Input name**	**Description**	**Example**
	Name	The name will be used for display on the system. The name can consist of any character.	"Tom"
	Email	The email should be the same as the email address that user used.	"new-01@gmail.com"
	Password	The password of the user should have a length 4-15 characters.	"new1234"
	Confirm password	The password of the user should have a length 4-15 characters.	"new1234"
Normal Flow:	1. The system has the interface to receive Name, Email, Password, and Confirm password for the member registration. 2. The Guest inputs Name, Email, Password, and Confirm password for the member registration. 3. The Guest selects "Sign up" button. 4. The system validates email and password. 5. The system verifies email and password format. 6. The system saves the user information to the system. 7. The system automatically logs in the user to the system and stay on Homepage.		
Alternative Flow:	A. In step 2 of the normal flow, if the Guest selects "Cancel" instead of "Sign up". A2. The system shows the Homepage.		

	B. In step 3 of the normal flow, if the Guest selects "Cancel" instead of "Sign up". A3. The system shows the Homepage.

Exception:	A. In step 4 of the normal flow, if the email already existed.
	    A4. The system shows an error message "This email already existed".
	    A5. The Guest goes back to do a step 2 of the normal flow again.
	
	B. In step 5 of the normal flow, if the Guest inputs a password less than 4 characters or more than 15 characters.
	    B5. The system shows an error message "A password less than 4 characters or more than 15 characters".
	    B6. The Guest goes back to do a step 2 of the normal flow again.
	
	C. In step 5 of the normal flow, if the Guest inputs the email that incorrect with the email format.
	    C5. The system shows an error message "An email is not correct".
	    C6. The Guest goes back to do a step 2 of the normal flow again.
	
	D. In step 5 of the normal flow, if the Password and Confirm password are not match.
	    D5. The system shows an error message "The passwords did not match".
	    D6. The Guest goes back to do a step 2 of the normal flow again.
	
	E. In step 5 of the normal flow, if there is some blank dialog.
	    E5. The system shows an error message "Please input all of information".
	    E6. The Guest goes back to do a step 2 of the normal flow again.
	
	In all of step of the normal flow, if the system disconnects from an internet.
	    1. The system shows an error message about internet disconnection.

Include:	N/A

System requirement specification (SRS):

- SRS-01: The system shall provide the interface to receive Name, Email, Password, Confirm password, and submit button for the member registration. The submit button is "Sign up".
- SRS-02: The system can validate the email and password in the database.
- SRS-03: The system can check the email format. The email must be the email format.
- SRS-04: The system can check the password format. The password must be 4-15 character, and can consist of any character.
- SRS-05: The system can validate whether the password in the Password field and Confirm password field are the same.
- SRS-06: The system can check the blank field.
- SRS-07: The system saves the user information to the system.
- SRS-08: The system does the automatic login for the user after finished the registration.
- SRS-09: The system shows an error message "A password less than 4 characters or more than 15 characters".
- SRS-10: The system shows an error message "An email is not correct".
- SRS-11: The system shows an error message "This email already existed".
- SRS-12: The system shows an error message "Please input all of information".
- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.

UC-02: Log in

- URS-02: The Member logs in to the system.

Description:

Use Case ID:	UC-02		
Use Case Name:	Log in		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	Last Revision Date :	
Actor:	Member		
Description:	UC-02 is used, when the Member wants to log in to the system.		
Trigger:	The Member selects "Log in" to log in to system.		
Pre-condition:	• Member has not logged in to the system. • Member has already registered to system and has an account. (UC-01) • Member stays on the Homepage.		
Post-condition:	• The Member is able to use more function in the system.		
Input data:	Input name	Description	Example
	Email	The email should be the same as the email address that the user used to register to the system.	"new-01@gmail.com"
	Password	The password of the user should have a length 4-15 characters. The password should be the same as the password that the user used to register to the system.	"new1234"
Normal Flow:	1. The system has the interface to receive Email and Password. 2. The Member inputs Email and Password. 3. The Member selects "Log in" button. 4. The system validates the username and password. 5. The Member logs in to the system, and stays on Homepage.		

Alternative Flow:	A. In step 2 of the normal flow, if the Member selects "Cancel" instead of "Sign up".
	   A2. The system shows the Homepage.
	
	B. In step 3 of the normal flow, if the Member selects "Cancel" instead of "Sign up".
	   A3. The system shows the Homepage.		

Exception:	A. In step 3 of the normal flow, if the Email or Password is invalid.
	   A3. The system shows the error message "The Email or Password is not correct".
	   A4. The Member goes back to the step 2 of the normal flow again.
	
	B. In step 3 of the normal flow, if there is some blank dialog.		

	B3. The system shows an error message "Please input all of information". B4. The Member goes back to do a step 2 of the normal flow again. In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.
Include:	N/A

System requirement specification (SRS):

- SRS-06: The system can check the blank field.
- SRS-12: The system shows an error message "Please input all of information".
- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-15: The system shall provide the interface to receive Email and Password.
- SRS-16: The system validates the username and password.
- SRS-17: The system shows the error message "The Email or Password is not correct".

UC-03: Edit account

- URS-03: The Member edits the account.

Description:

Use Case ID:	UC-03		
Use Case Name:	Edit account		
Create By :	Pichet Potha Sittipong Borripan	**Last update by :**	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	**Last Revision Date :**	
Actor:	Member		
Description:	UC-03 is used, when the Member wants to change the account name or password.		
Trigger:	The Member selects "Edit" to edit an account.		
Pre-condition:	• The Member already logged in to the system. (UC-02) • The Member selects the member name to go to the account page • The Member stays on Account page.		
Post-condition:	• The system saves Member information into a system. • The Member stays on the Account page		
Input data:	**Input name**	**Description**	**Example**
	Name	The name will be used for display on the system. The name can consist of any character.	"Crist"
	Current password	The password should be 4-15 characters length.	"new1234"
	New password	The password should be 4-15 characters length.	"new4321"
Normal Flow:	1. The system has the interface to receive Name, Current password, and New password. 2. The Member inputs Name, Current password, and New password. 3. The Member selects "Save" button. 4. The system validates the Current password. 5. The system verifies the New password. 6. The system saves the Member user information to the system. 7. The Member stays on Account page.		

Alternative Flow:	A. In step 2 of the normal flow, if the Member selects "Cancel" instead of "Sign up".
	    A2. The system shows the Homepage.
	
	 B. In step 3 of the normal flow, if the Member selects "Cancel" instead of "Sign up".
	    B3. The system shows the Homepage.		

Exception:	A. In step 3 of the normal flow, if the Current password is invalid.
	    A3. The system shows the error message "The Current password is not correct".
	    A4. The Member goes back to the step 2 of the normal flow again.		

	B. In step 3 of the normal flow, if the Member inputs a New password less than 4 characters or more than 15 characters.
	    B3. The system shows an error message "A password less than 4 characters or more than 15 characters".
	    B4. The Member go back to do a step 2 of the normal flow again.
	
	C. In step 3 of the normal flow, if there is some blank dialog.
	    C3. The system shows an error message "Please input all of information".
	    C4. The Member goes back to do a step 2 of the normal flow again.
	
	In all of step of the normal flow, if the system disconnects from an internet.
	    1. The system shows an error message about internet disconnection.

Include:	N/A

System requirement specification (SRS):

- SRS-04: The system can check the password format. The password must be 4-15 character, and can consist of any character.
- SRS-06: The system can check the blank field.
- SRS-07: The system saves the user information to the system.
- SRS-09: The system shows an error message "A password less than 4 characters or more than 15 characters".
- SRS-12: The system shows an error message "Please input all of information"
- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-18: The system shall provide the interface to receive Name, Current password, and New password.
- SRS-19: The system can validate the Current password.
- SRS-20: The system shows an error message "The current password is not correct".

UC-04: Log out

- URS-04: The Member logs out from the system.

Description:

Use Case ID:	UC-04		
Use Case Name:	The Member logs out from the system.		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	Last Revision Date :	
Actor:	Member		
Description:	UC-04 is used, when the Member wants to log out from the system.		
Trigger:	The Member selects "Log out" to log out to system.		
Pre-condition:	• The Member has already logged in to the system. (UC-02)		
Post-condition:	• The Member stays on index page and already log out.		
Input data:	n/a		
Normal Flow:	1. Member selects "log out" button on the screen. 2. The system disconnects session of the Member.		
Alternative Flow:	n/a		
Exception:	In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.		
Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-21: The system can disconnects session of the Member.

Feature 2: Searching System

UC-05: Search Facebook news

- URS-05: The users search the Facebook news.

Description:

Use Case ID:	UC-05		
Use Case Name:	Search Facebook news		
Create By :	Pichet Potha Sittipong Borripan	**Last update by :**	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	**Last Revision Date :**	Aug 26, 2015
Actor:	Member, Guest		
Description:	UC-05 is used, when the users need to search the interested news on facebook.		
Trigger:	The users select "Submit" to start searching.		
Pre-condition:	• The users stay on Homepage. • The users already had Facebook account. • The users already log in to Facebook.		
Post-condition:	• The user see the news that related with the keyword.		
Input data:	**Input name**	**Example**	**Description**
	Input	"Chiang Mai" or "เชียงใหม่"	The input can be a word in any language.
Normal Flow:	1. The users select the target website for searching the news. 2. The users input the keyword or the sentence. 3. The users select "Submit" button. 4. The system searches the content by using the input from the users. 5. The system retrieves the relate result from the target website.		
Alternative Flow:	A. In step 3 of normal flow, if the users did not log in to Facebook. 　A3. The system asks for Facebook log in. 　A4. The users input their username. 　A5. The users send Facebook log in. 　A6. The system returns to step 1 of normal flow		
Exception:	A. In step 3 of the normal flow, if there is not the news that related with the input. 　A3. The system shows an error message "Not found the result". 　A4. The users go back to do step 2 of the normal flow again. B. In step 3 of normal flow, if the users do not input anything. 　B3. The system shows an error message "Please input some keyword". 　B4. The users go back to do step 2 of the normal flow again. C. In step 3 of normal flow, if The users do not select any websites yet. 　C3. The system shows an error message "Please select the target website". 　C4. The users go back to do step 1 of the normal flow again.		

	In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.
Include:	N/A

System requirement specification (SRS):

- SRS-06: The system can check the blank field.
- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-22: The system shall provide the interface for select the target website that will use to searching the news. The interface must contain the list of three websites "Facebook, Twitter, and Pantip".
- SRS-23: The system shall provide the interface to receive the input. The input can be any character, and any language.
- SRS-24: The system searches the content by using the input from the users.
- SRS-25: The system retrieves related result from target site.
- SRS-26: The system verifies the Facebook log in.
- SRS-28: The system asks for Facebook log in.
- SRS-30: The system verifies the target website
- SRS-31: The system shows an error message "Please input some keyword".
- SRS-32: The system shows an error message "Please select the target website".
- SRS-33: The system shows an error message "Not found the result".

UC-06: Search Pantip news

- URS-06: The users search the Pantip news.

Description:

Use Case ID:	UC-06		
Use Case Name:	Search Pantip news		
Create By :	Pichet Potha Sittipong Borripan	**Last update by :**	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	**Last Revision Date :**	Aug 26, 2015
Actor:	Member, Guest		
Description:	UC-06 is used, when the users need to search the interested news on pantip.		
Trigger:	The users select "Submit" to start searching.		
Pre-condition:	• The users stay on Homepage.		
Post-condition:	• The users see the news that related with the keyword.		

Input data:	**Input name**	**Example**	**Description**
	Input	"Chiang Mai" or "เชียงใหม่"	The input can be a word in any language.

Normal Flow:	1. The users select the target website for searching the news. 2. The users input the keyword or the sentence. 3. The users select "Submit" button. 4. The system gets relate result from the target site.
Alternative Flow:	N/A
Exception:	A. In step 3 of the normal flow, if there is not the news that related with the input. 　A3. The system shows an error message "Not found the result". 　A4. The users go back to do step 2 of the normal flow again. B. In step 3 of normal flow, if the users do not input anything. 　B3. The system shows an error message "Please input some keyword". 　B4. The users go back to do step 2 of the normal flow again. C. In step 3 of normal flow, if The users do not select any websites yet. 　C3. The system shows an error message "Please select the target website". 　C4. The users go back to do step 1 of the normal flow again. In all of step of the normal flow, if the system disconnects from an internet. 　1. The system shows an error message about internet disconnection.
Include:	N/A

System requirement specification (SRS):

- SRS-06: The system can check the blank field.
- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-22: The system shall provide the interface for select the target website that will use to searching the news. The interface must contain the list of three websites "Facebook, Twitter, and Pantip".
- SRS-23: The system shall provide the interface to receive the input. The input can be any character, and any language.
- SRS-24: The system searches the news by using the input from the Member user or User.
- SRS-25: The system gets related result from target site.
- SRS-30: The system verifies the target website
- SRS-31: The system shows an error message "Please input some keyword".
- SRS-32: The system shows an error message "Please select the target website".
- SRS-33: The system shows an error message "Not found the result".

UC-07: Search Twitter news

- URS-07: The users search the Twitter news.

Description:

Use Case ID:	UC-07		
Use Case Name:	Search twitter news		
Create By :	Pichet Potha Sittipong Borripan	**Last update by :**	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	**Last Revision Date :**	Aug 26, 2015
Actor:	Member, Guest		
Description:	UC-07 is used, when the users need to search the interested news on twitter.		
Trigger:	The users select "Submit" to start searching.		
Pre-condition:	• The users stay on Homepage. • The users already had Twitter account. • The users already log in to Twitter.		
Post-condition:	• The users see the news that related with the keyword.		
Input data:	**Input name**	**Example**	**Description**
	Input	"Chiang Mai" or "เชียงใหม่"	The input can be a word in any language.
Normal Flow:	1. The users select the interested target website for searching the news. 2. The users input the keyword or the sentence. 3. The users select "Submit" button. 4. The system gets relate result from the target site.		

Alternative Flow:	A. In step 3 of normal flow, if the users didn't log in to twitter.
	    A3. The system asks for twitter log in.
	    A4. The users input their username.
	    A5. The users send twitter log in
	    A6. The system returns to step 1 of normal flow		

Exception:	A. In step 3 of the normal flow, if there is not the news that related with the input.
	    A3. The system shows an error message "Not found the result".
	    A4. The users go back to do step 2 of the normal flow again.
	
	B. In step 3 of normal flow, if the users do not input anything.
	    B3. The system shows an error message "Please input some keyword".
	    B4. The users go back to do step 2 of the normal flow again.
	
	C. In step 3 of normal flow, if The users do not select any websites yet.
	    C3. The system shows an error message "Please select the target website".
	    C4. The users go back to do step 1 of the normal flow again.
	
	In all of step of the normal flow, if the system disconnects from an internet.
	    1. The system shows an error message about internet disconnection.		

Include:	N/A		

System requirement specification (SRS):

- SRS-06: The system can check the blank field.
- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-22: The system shall provide the interface for select the target website that will use to searching the news. The interface must contain the list of three websites "Facebook, Twitter, and Pantip".
- SRS-23: The system shall provide the interface to receive the input. The input can be any character, and any language.
- SRS-24: The system searches the news by using the input from the Member user or User.
- SRS-25: The system gets related result from target site.
- SRS-27: The system verifies the Twitter log in.
- SRS-29: The system asks for Twitter log in.
- SRS-30: The system verifies the target website
- SRS-31: The system shows an error message "Please input some keyword".
- SRS-32: The system shows an error message "Please select the target website".
- SRS-33: The system shows an error message "Not found the result".

UC-08: See result after submit the keyword

- URS-08: The users see the result after searching the news.

Description:

Use Case ID:	UC-08		
Use Case Name:	See result		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	Last Revision Date :	
Actor:	Member, Guest		
Description:	UC-08 is used, when the users need to see the news that relate to the interested keyword.		
Trigger:	The users select "Submit" to start searching.		
Pre-condition:	• The users finished searching the news. (UC-05)		
Post-condition:	• The users see the news that related with the keyword.		
Input data:	n/a		
Normal Flow:	1. The system has the interface that consist of the Blue number of all amount of results for Facebook, Twitter, and Pantip. 2. The users select the Blue number of the amount of result that they want to see. 3. The system shows the list of result.		
Alternative Flow:	A. In step 2 of the normal flow, if the Member selects "Back" instead of the number of all results. A2. The system shows the Homepage.		
Exception:	In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.		
Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-34: The system shall provide the interface that consist of the number of all amount of result for Facebook, Twitter, and Pantip.
- SRS-35: The system shows the list of result.
    - **Facebook:** The result of Facebook consist of posts owner name, time, date, and posts.
    - **Twitter:** The result of Twitter consist of posts owner name, time, date, and posts.
    - **Pantip:** The result of Pantip consist of topic, time, date, content, and content owner name.

UC-09: See the result from tracking list

- URS-09: The Member sees the result from tracking list.

Description:

Use Case ID:	UC-09		
Use Case Name:	See the result from tracking list		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	Last Revision Date :	
Actor:	Member		
Description:	UC-09 is used, when the Member needs to see the news that relate to the interested keyword from the Tracking list page. This		
Trigger:	The Member selects "Submit" to see the result.		
Pre-condition:	• The Member finished tracking the news from the keyword. (UC-08) • The Member stays on the Tracking list page. (UC-09)		
Post-condition:	• The Member sees the news that related with the keyword.		
Input data:	n/a		
Normal Flow:	1. The system has the interface that consist of the number of all amount of results for Facebook, Twitter, and Pantip. 2. The Member selects the Blue or Red number of the amount of result that they want to see. 3. The system shows the list of result.		
Alternative Flow:	A. In step 2 of the normal flow, if the Member selects "Back" instead of the number of all results. A2. The system shows the Account page.		

Exception:	A. In step 2 of the normal flow, if there is not the update for the result for the selected keyword from the tracking list.
	    A2. The system shows only the Blue number of the amount of result.
	    A3. The Member goes back to do step 2 of the normal flow again.
	
	In all of step of the normal flow, if the system disconnects from an internet.
	    1. The system shows an error message about internet disconnection.		

Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-34: The system shall provide the interface that consist of the number of all amount of result for Facebook, Twitter, and Pantip.
- SRS-35: The system shows the list of result.
    - **Facebook:** The result of Facebook consist of posts owner name, time, date, and posts.
    - **Twitter:** The result of Twitter consist of posts owner name, time, date, and posts.
    - **Pantip:** The result of Pantip consist of topic, time, date, content, and content owner name.
- SRS-36: The system can check the update for the new result of the keyword from the tracking list.

Feature 3: Tracking system

    UC-10: Track the news

- URS-10: The Member tracks the news from searched keyword.

Description:

User Case ID:	UC-10		
User Case Name:	Track the news		
Create By :	Pichet Potha Sittipong Borripan	**Last update by :**	Pichet Potha Sittipong Borripan
Date Created :	July 09, 2015	**Last Revision Date :**	Aug 26, 2015
Actor:	Member		
Description:	UC-10 is used, when the Member wants to track the news.		
Trigger:	The Member selects "Track it" to track a news.		
Pre-condition:	- The Member has already finished searching the news. (UC-05,UC-06,-UC-07) - The Member stays on searching news result page.		
Post-condition:	- The system saves the user tracking information into the system (tracking list). - A Member completes to track news.		
Input data:	n/a		
Normal Flow:	1. The Member selects "track it" button. 2. The system validates tracking word and saves into the system. 3. The system displays interface of user account page with tracking list.		

Alternative Flow:	A. In step 1 of the normal flow, if the Member did not log in to the system.
	    A1. The system shows message "Please register into system." to the user.
	    A2. The system redirects to register page.
	
	B. In step 2 of the normal flow, if keyword already exist in "tracking list".
	    B2. The system shows message "You already tracking this news".
	    B3. The system redirects to search page.		

Exception:	In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.		
Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-37: The system validates tracking word and saves into the system.
- SRS-38: The system shall provide the interface of the user account page. The interface must contain with account name, edit button, log out button, On/Off button for alert massage, tracking list table that provide the remove button and the dialog box for select the tracking word, the Submit button, and Back button
- SRS-39: The system can check the system login of the user.
- SRS-40: The system shows message "Please register into system." to the user.
- SRS-41: The system shows message "You already tracking this news".

UC-11: See tracking news

URS-11: The Member sees the tracking news in the tracking list.

Description:

User Case ID:	UC-11		
User Case Name:	See tracking news		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 09, 2015	Last Revision Date :	July 09, 2015
Actor:	Member		
Description:	UC-11 is used, when the Member wants to see news from tracking list.		
Trigger:	The Member selects the account name to see the tracking news in tracking list.		
Pre-condition:	• The Member finished tracking the news from the keyword. (UC-08) • The Member selects the member name to go to the account page • The Member stays on Account page.		
Post-condition:	• The system displays tracking news in tracking list. • The Member completes to see news in tracking list.		
Normal Flow:	1. The system displays interface of user account page with tracking list.		
Alternative Flow:	A. In step 1 of the normal flow, if the tracking list is empty. A1. The system shows message "You didn't tracking news yet".		
Exception:	In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.		
Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-37: The system validates tracking word and saves into the system.
- SRS-38: The system shall provide the interface of the user account page. The interface must contain with account name, edit button, log out button, On/Off button for alert massage, tracking list table that provide the remove button and the dialog box for select the tracking word, the Submit button, and Back button.
- SRS-42: The system shows message "You didn't tracking news yet".

UC-12: Delete tracking news

URS-12: The Member deletes the tracking news in the tracking list.

Description:

User Case ID:	UC-12		
User Case Name:	Delete tracking news		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 09, 2015	Last Revision Date :	July 09, 2015
Actor:	Member		
Description:	UC-12 is used, when the Member wants to delete the news in tracking list.		
Trigger:	The Member selects "remove" to remove the tracking news in the tracking list table.		
Pre-condition:	• The Member stays on the Account page. (UC-09)		
Post-condition:	• The Member completed to delete the tracking news.		
Normal Flow:	1. The Member selects "remove" to remove the tracking news in the tracking list table. 2. The system removes the tracking news from the system (tracking list). 3. The system updates the information in the tracking list table.		
Alternative Flow:	A. In step 1 of the normal flow, if the tracking list is empty. 　A1. The system shows message "You didn't tracking news yet". B. In step 1 of the normal flow, if the Member selects "Back" button. 　B1. The system shows the Homepage. C. In step 1 of the normal flow, if the Member selects "Submit" button. 　C1. The system shows the summary result page.		
Exception:	In all of step of the normal flow, if the system disconnects from an internet. 1. The system shows an error message about internet disconnection.		
Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-37: The system validates tracking word and saves into the system.
- SRS-38: The system shall provide the interface of the user account page. The interface must contain with account name, edit button, log out button, On/Off button for alert massage, tracking list table that provide the remove button and the dialog box for select the tracking word, the Submit button, and Back button.
- SRS-42: The system shows message "You didn't tracking news yet".
- SRS-43: The system removes the tracking news from the system (tracking list).
- SRS-44: The system updates the information in the tracking list table on the interface.

Feature 4: Real-time alert system

    UC-13: Receive the alert message

- URS-13: The Member receives the alert message from the system.

Description:

User Case ID:	UC-13		
User Case Name:	Receive the alert message		
Create By :	Pichet Potha Sittipong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 9, 2015	Last Revision Date :	
Actor:	Member		
Description:	UC-13 is used, when there is the new update after tracked the news.		
Trigger:	The Member finished tracking the news. (UC-08)		
Pre-condition:	- The Member finished tracking the news. (UC-08) - The Member selects the member name to go to the account page - The Member stays on Account page.		
Post-condition:	The Member sees the news that related with the keyword.		
Input data:	n/a		
Normal Flow:	1. The system checks update for the news 2. The Member receives the alert message from the system.		
Alternative Flow:	n/a		

Exception:	A. In step 2 of the normal flow, if the tracking function had turned off.
	    A2. The system does not show the alert message to the user.
	    A3. The Member goes to do UC-15.
	
	In all of step of the normal flow, if the system disconnects from an internet.
	    A1. The system shows an error message about internet disconnection.		

Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-36: The system can check the update for the new result of the keyword from the tracking list.
- SRS-38: The system shall provide the interface of the user account page. The interface must contain with account name, edit button, log out button, On/Off button for alert massage, tracking list table that provide the remove button and the dialog box for select the tracking word, the Submit button, and Back button.
- SRS-45: The system can check status of tracking function.

UC-14: Turn off the alert message

- URS-14: The Member turns off the alert message function.

Description:

User Case ID:	UC-14		
User Case Name:	Close the alert message		
Create By :	Pichet Potha SIttpong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 09, 2015	Last Revision Date :	July 09, 2015
Actor:	Member		
Description:	UC-14 is used, when the Member does not want to receive the alert message.		
Trigger:	The Member selects "Off" to turn off the alert message.		
Pre-condition:	• The Member has already logged in to the system. (UC-02) • The Member selects the member name to go to the account page • The Member stays on Account page.		
Post-condition:	• The Member will not receive the alert message.		
Normal Flow:	1. The Member selects "Off" in Account page. 2. The system turns off the alert message function.		

Alternative Flow:	A. In step 1 of the normal flow, if the Member selects "Back" button.
	    A1. The system shows the Homepage.
	
	B. In step 1 of the normal flow, if the Member selects "Edit" button.
	    B1. The system shows the edit account page.
	
	C. In step 1 of the normal flow, if the Member selects "Submit" button.
	    C1. The system shows the summary result page.		

Exception:	A. In step 1 of the normal flow, if the alert message already turns off.
	    A1. The system shows the message "The alert message function already turns off".
	
	In all of step of the normal flow, if the system disconnects from an internet.
	    2. The system shows an error message about internet disconnection.		

Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-38: The system shall provide the interface of the user account page. The interface must contain with account name, edit button, log out button, On/Off button for alert massage, tracking list table that provide the remove button and the dialog box for select the tracking word, the Submit button, and Back button.
- SRS-45: The system can check status of tracking function.
- SRS-46: The system shows the message "The alert message function already turns off".
- SRS-47: The system can turn on/off the alert message function.

UC-15: Turn on the alert message

- URS-15: The Member turns on the alert message function.

Description:

User Case ID:	UC-15		
User Case Name:	Close the alert message		
Create By :	Pichet Potha SIttpong Borripan	Last update by :	Pichet Potha Sittipong Borripan
Date Created :	July 09, 2015	Last Revision Date :	July 09, 2015
Actor:	Member		
Description:	UC-15 is used, when the Member want to receive the alert message.		
Trigger:	The Member selects "On" to turn off the alert message.		
Pre-condition:	• The Member has already logged in to the system. (UC-02) • The Member selects the member name to go to the account page • The Member stays on Account page.		
Post-condition:	• The Member will not receive the alert message.		
Normal Flow:	1. The Member selects "On" in Account page. 2. The system turns on the alert message function.		

Alternative Flow:	A. In step 1 of the normal flow, if the Member selects "Back" button.
	  A1. The system shows the Homepage.
	
	B. In step 1 of the normal flow, if the Member selects "Edit" button.
	  B1. The system shows the edit account page.
	
	C. In step 1 of the normal flow, if the Member selects "Submit" button.
	  C1. The system shows the summary result page.		

Exception:	A. In step 1 of the normal flow, if the alert message already turns on.
	  A1. The system shows the message "The alert message function already turns on".
	
	In all of step of the normal flow, if the system disconnects from an internet.
	  3. The system shows an error message about internet disconnection.		

Include:	N/A		

System requirement specification (SRS):

- SRS-13: The system can check the internet connection.
- SRS-14: The system shows an error message about internet disconnection.
- SRS-38: The system shall provide the interface of the user account page. The interface must contain with account name, edit button, log out button, On/Off button for alert massage, tracking list table that provide the remove button and the dialog box for select the tracking word, the Submit button, and Back button.
- SRS-45: The system can check status of tracking function.
- SRS-47: The system can turn on/off the alert message function.
- SRS-48: The system shows the message "The alert message function already turns on".