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.	0.1	Draft	July	PP, SB, CD	PP, SB	PP, SB
docx	 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 	Drait	9,2015	11,55,65	11,55	11,55
SMTS_SRS_v.0.2. docx	 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	 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	 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 	Draft	August 27, 2015	PP, SB, CD	PP, SB	PP, SB

	 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	Check the correctness and format.	Released	August 28, 2015	PP, SB, CD	PP, SB	PP, SB

Table of Contents

Chapter One Introduction.	1
1.1 Document Purpose	1
1.2 Project Scope.	1
1.3 User Characteristics.	1
1.4 Operation Environment	1
1.5 Acronyms and Definition	1
1.5.1 Acronyms	1
1.5.2 Definition	2
Chapter Two Specific Requirement	3
2.1 User Scenario	
2.1 User Scenario	3
Chapter Three Requirement Specification	4
3.1 Functional Requirement	4
3.1.1 User Requirement Specification (URS)	4
3.1.2 User Requirement Specification Description	5
Feature 1: User Management system	5
UC-01: Register	5
UC-02: Log in	8
UC-03: Edit account	10
UC-04: Log out	12
Feature 2: Searching System	13
UC-05: Search Facebook news	13
UC-06: Search Pantip news	15
UC-07: Search Twitter news	17
UC-08: See result after submit the keyword	19
UC-09: See the result from tracking list	20
Feature 3: Tracking system	21
UC-10: Track the news	21
UC-11: See tracking news	23
UC-12: Delete tracking news	
Feature 4: Real-time alert system	25
UC-13: Receive the alert message	
UC-14: Turn off the alert message	26
UC-15: Turn on the alert message	27

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

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	1
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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			

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	2
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

Chapter Two | Specific Requirement

2.1 User Scenario

Overall use case of Social Media News Tracking System

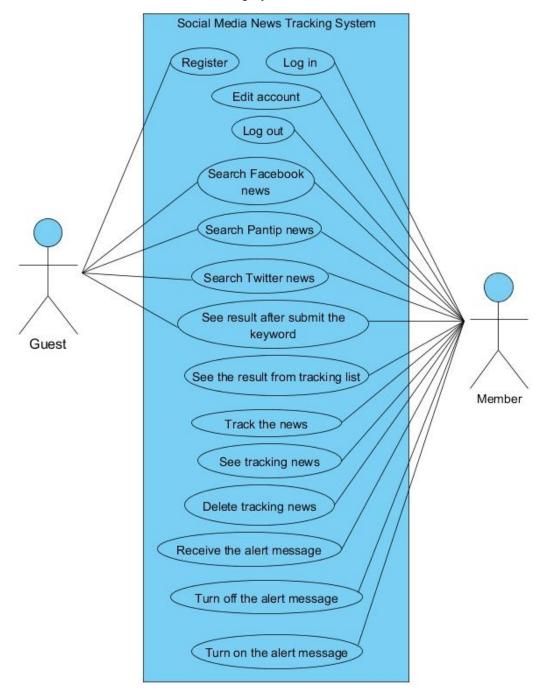


Figure 1 Overall use case of Social Media News Tracking System

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	3
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	4
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

3.1.2 User Requirement Specification Description

Feature 1: User Management system.

UC-01: Register

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

Use Case ID:	UC-01					
Use Case Name:	Register					
Create By :	Pichet Potha		Last update by :	Pichet Potha		
	Sittipong Bo	rripan	1	Sittipong Borripan		
Date Created :	July 9, 2015		Last Revision Date:	August 26, 2015		
Actor:	Guest					
Description:	UC-01 is use	ed, when the	Guest wants to use mor	re function on Social Media		
	News Tracki	ng System.				
Trigger:	The Guest se	elects "Sign	up" to create an account			
Pre-condition:	• The	Guest has n	ot logged in to the system	n.		
	• The	Guest stays	on Homepage.			
Post-condition:	• The	system save	es user information into a	system.		
	• The	Guest logs i	in to the system and stay	on Homepage.		
Input data:	Input	Description	on	Example		
	name					
	Name		will be used for display	"Tom"		
			ystem. The name can			
			any character.			
	Email		should be the same as	"new-01@gmail.com"		
	D 1		address that user used.	" 100 AN		
	Password		vord of the user should	"new1234"		
	Confirm		gth 4-15 characters.	"new1234"		
	password		vord of the user should	new1234*		
Normal Flow:	1		gth 4-15 characters.	Name, Email, Password, and		
Normal Flow:			ord for the member regist			
				l, and Confirm password for		
		nember regi		s, and commin pass word for		
			ts "Sign up" button.			
			dates email and password	d.		
			fies email and password			
	6. The	e system saves the user information to the system.				
	7. The	system automatically logs in the user to the system and stay on				
		epage.				
Alternative Flow:		of the norma	al flow, if the Guest selec	cts "Cancel" instead of		
	"Sign up".	_				
	A2. The	system sho	ws the Homepage.			

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	5
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

	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

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	6
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	7
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

UC-02: Log in

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

Use Case ID:	UC-02				
Use Case Name:	Log in				
Create By :	Pichet Potha		Last update by :	Pichet Potha	
	Sittipong Box	rripan		Sittipong Borripan	
Date Created :	July 9, 2015		Last Revision Date:		
Actor:	Member				
Description:	UC-02 is use	d, when the	Member wants to log in	to the system.	
Trigger:			og in" to log in to system	•	
Pre-condition:			logged in to the system.		
			eady registered to system		
	(UC-		, ,		
	`	,	n the Homepage.		
Post-condition:			able to use more function	n in the system.	
Input data:	Input	Descripti		Example	
1	name	F		r r	
	Email	The email	should be the same as	"new-01@gmail.com"	
			address that the user		
		used to re	gister to the system.		
	Password		vord of the user should	"new1234"	
		have a le	ength 4-15 characters.		
			vord should be the same		
		as the pass	sword that the user used		
		to register	to the system.		
Normal Flow:	1. The	system has	the interface to receive E	Email and Password.	
			outs Email and Password	l .	
			lects "Log in" button.		
		•	dates the username and p		
			gs in to the system, and s		
Alternative Flow:	•	of the norma	al flow, if the Member se	elects "Cancel" instead of	
	"Sign up".		.1 **		
	A2. The	system sho	ws the Homepage.		
	D. In stan 2 a	£ 41	al flass: :f tha Massahas as	11 - 4 - "C 1" : 4 - 4	
		or the norma	ai now, ii the Member se	elects "Cancel" instead of	
	"Sign up". A3. The system shows the Homepage.				
Exception:			al flow, if the Email or P	account is invalid	
Exception:	•			he Email or Password is not	
	correct".	5,500111 5110	ms are error message Tr	ile Dilluit of Lussword is Hot	
		Member 20	oes back to the step 2 of t	the normal flow again.	
	B. In step 3 of	of the norma	al flow, if there is some b	olank dialog.	

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	8
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

	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

- 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".

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	9
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

UC-03: Edit account

• URS-03: The Member edits the account.

Use Case ID:	UC-03			
Use Case Name:	Edit account			
Create By :	Pichet Potha		Last update by :	Pichet Potha
	Sittipong Box	rripan	1	Sittipong Borripan
Date Created :	July 9, 2015	•	Last Revision Date:	
Actor:	Member			
Description:	UC-03 is use	d, when the	Member wants to change	ge the account name or
-	password.			
Trigger:	The Member	selects "Ec	lit" to edit an account.	
Pre-condition:	• The	Member alr	eady logged in to the sys	stem. (UC-02)
			ects the member name to	
			ys on Account page.	1 0
Post-condition:			es Member information in	nto a system.
		-	ys on the Account page	,
Input data:	Input	Description		Example
input uata.	name	Description	011	Example
	Name	The name	will be used for display	"Crist"
	Tvanic		ystem. The name can	Clist
			any character.	
	Current		word should be 4-15	"new1234"
	password	characters		110 11 120 1
	New		word should be 4-15	"new4321"
	password	characters		
Normal Flow:	1. The		Š	ame, Current password, and
	New	password.		_
				word, and New password.
			ects "Save" button.	
		-	dates the Current passwo	ord.
			fies the New password.	
			es the Member user infor	mation to the system.
A 14 o ma o 45 TOL-			ys on Account page.	Jacta "Canaal" instant
Alternative Flow:		n the norma	ai now, ii the Member se	elects "Cancel" instead of
	"Sign up".	evetem cho	ws the Homepage.	
	A2. THE	system silo	ws the Homepage.	
	B. In step 3 c	of the norma	al flow, if the Member se	elects "Cancel" instead of
	"Sign up".		,	in the control included of
	~ .	system sho	ws the Homepage.	
Exception:			al flow, if the Current par	ssword is invalid.
•	•		•	The Current password is not
	correct".	-	Č	•
	A4. The	Member go	es back to the step 2 of t	he normal flow again.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	10
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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

- 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".

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	11
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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	om the system.			
Create By:	Pichet Potha	Last update by:	Pichet Potha		
	Sittipong Borripan	_	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 sta	ys on index page and alr	eady log out.		
Input data:	n/a				
Normal Flow:	 Member selects 	"log out" button on the s	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 show	ws an error message abou	ut internet disconnection.		
Include:	N/A				

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	12
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

Feature 2: Searching System

UC-05: Search Facebook news

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

Use Case ID:	UC-05						
Use Case Name:	Search Facel	ook news					
Create By :	Pichet Potha		Last update	by:	Pichet Potha		
_	Sittipong Bo	rripan		-	Sittipong Borripan		
Date Created :	July 9, 2015		Last Revision Da	ite :	Aug 26, 2015		
Actor:	Member, Gu	est					
Description:	UC-05 is use	d, when the	users need to search	h the	interested news on		
_	facebook.						
Trigger:	The users sel	ect "Submi	t" to start searching				
Pre-condition:	• The	users stay o	n Homepage.				
	• The	users alread	y had Facebook acc	count			
			y log in to Faceboo				
Post-condition:			news that related w		ne keyword.		
Input data:	Input	Example			cription		
•	name	_			•		
	Input	"Chiang N	lai" or "เชียงใหม่"	The	input can be a word in any		
	•	Cinaing	iai oi spotsiin		guage.		
Normal Flow:	1. The	users select	the target website f	or sea	arching the news.		
	2. The	users input	the keyword or the	sente	nce.		
	3. The	users select	"Submit" button.				
	4. The	system sear	ches the content by	using	g the input from the users.		
	5. The	system retri	eves the relate resu	lt froi	n the target website.		
Alternative Flow:	A. In step 3 of	of normal fl	ow, if the users did	not lo	og in to Facebook.		
			for Facebook log in	n.			
			their username.				
			Facebook log in.				
			rns to step 1 of norr				
Exception:	_	of the norma	al flow, if there is no	ot the	news that related with the		
	input.	. 1		(C) T			
			vs an error message				
	A4. The	users go bac	ck to do step 2 of th	e nor	mal flow again.		
	D. In stan 2 a	.f.,	:£41 do	4 :	mark amarkhima		
			ow, if the users do i				
		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.					
	D4. THE	users go dac	k to do step 2 of th	e non	mai now agam.		
	C. In step 3.0	of normal flo	ow if The users do	not s	elect any websites yet.		
	_				ease select the target		
	website".	System sno	an onor mossage	. 110	and solver the target		
		users go ba	ck to do step 1 of th	ie nor	mal flow again.		
	l						

Document Name	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	13
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

	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

- 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".

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	14
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

UC-06: Search Pantip news

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

Use Case ID:	UC-06			
Use Case Name:	Search Panti	n newc		
Create By:	Pichet Potha		Last update	by: Pichet Potha
Citate by .	Sittipong Bo		Last update	Sittipong Borripan
Date Created :	July 9, 2015	прип	Last Revision Da	1 5 1
Actor:	Member, Gu	est	Last Revision Da	ite: 11ug 20, 2013
Description:			users need to searc	th the interested news on pantip.
Trigger:			t" to start searching	
Pre-condition:			n Homepage.	•
Post-condition:		•	e news that related	with the keyword.
Input data:	Input	Example		Description
•	name	_		•
	Input	"Chiang N	/Iai" or "เชียงใหม่"	The input can be a word in any
		8		language.
Normal Flow:			•	for searching the news.
			the keyword or the	sentence.
	3. The users select "Submit" button.			
A.14 (1 T)	4. The	system gets	relate result from the	he target site.
Alternative Flow:	A T	C /1	N/A	
Exception:	_	of the norma	al flow, if there is no	ot the news that related with the
	input.	evetem chov	ve an error message	"Not found the result".
				e normal flow again.
		45015 50 040	on to do step 2 of th	e normar now again.
	B. In step 3 c	of normal fl	ow, if the users do r	not input anything.
				"Please input some keyword".
				e normal flow again.
			-	-
				not select any websites yet.
		system sho	ws an error message	e "Please select the target
	website".			. ~
	C4. The	users go ba	ck to do step 1 of th	e normal flow again.
	In all of stan	of the norm	nal flavy if the avete	m disconnects from an internet.
	_		•	about internet disconnection.
Include:	N/A	y Stelli SHOW	s an error message a	about internet disconnection.
metude.	11/11			

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	15
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

- 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".

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	16
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

UC-07: Search Twitter news

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

Use Case ID:	UC-07				
Use Case Name:	Search twitter news				
Create By :	Pichet Potha		Last update	bv :	Pichet Potha
· ·	Sittipong Box	rripan	•	•	Sittipong Borripan
Date Created :	July 9, 2015	•	Last Revision Da	te:	Aug 26, 2015
Actor:	Member, Gu	est			<u> </u>
Description:	UC-07 is use	d, when the	users need to searc	h the	interested news on twitter.
Trigger:	The users sel	ect "Submi	t" to start searching		
Pre-condition:	• The	users stay o	n Homepage.		
	• The	users alread	y had Twitter accou	ınt.	
			y log in to Twitter.		
Post-condition:	• The	users see th	e news that related	with 1	the keyword.
Input data:	Input	Example			cription
_	name	_			-
	Input	"Chiang N	/Iai" or "เชียงใหม่"	The	input can be a word in any
				_	guage.
Normal Flow:					site for searching the news.
			the keyword or the	sente	nce.
			"Submit" button.		
A.14 (1. T)	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.				
			their username. witter log in		
			rns to step 1 of norn	nal fl	OW
Exception:					
Exception:	A. In step 3 of the normal flow, if there is not the news that related with the input.				
	_	system show	vs an error message	"No	t found the result".
		-	ck to do step 2 of the		
			ow, if the users do r		
		•	•		ase input some keyword".
	B4. The	isers go bac	ck to do step 2 of the	e nor	mal flow again.
	C. In stan 2 s	of normal fl	one if The page 45	not c	elect any websites yet.
	•				ease select the target
	website".	System Silo	ws an error message	. 110	ase select the target
		users go ha	ck to do step 1 of th	e no	mal flow again.
			211 to do 5top 1 of th		manin
	In all of step	of the norm	nal flow, if the syste	m dis	sconnects from an internet.
					internet disconnection.
Include:	N/A				

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	17
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

- 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".

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	18
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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 res	ult			
Create By:	Pichet	Potha	Last update by:	Pichet Potha	
-	Sittipo	ng Borripan	_	Sittipong Borripan	
Date Created :	July 9,	2015	Last Revision Date:		
Actor:	Membe	er, Guest			
Description:	UC-08	is used, when the	users need to see the ne	ws that relate to the	
_	interest	ted keyword.			
Trigger:	The use	ers select "Submi	t" to start searching.		
Pre-condition:	•	The users finish	ed searching the news. (U	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 consis	t of the Blue number of all	
		amount of result	ts for Facebook, Twitter,	and Pantip.	
	2.	The users select	the Blue number of the	e amount of result that they	
		want to see.			
	3.	•	ws the list of result.		
Alternative Flow:	A. In s	tep 2 of the norma	al flow, if the Member se	elects "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 show	s an error message about	internet disconnection.	
Include:	N/A				

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	19
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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 track	ing list			
Create By:	Pichet Potha	Last update by:	Pichet Potha		
	Sittipong Borripan	Lust apaate by t	Sittipong Borripan		
Date Created :	July 9, 2015	Last Revision Date :	zimpong zompun		
Actor:	Member	Zust Ite vision Zute v			
Description:	UC-09 is used, when the	Member needs to see th	e news that relate to the		
2 cscription.	interested keyword from				
Trigger:	The Member selects "Su				
Pre-condition:			from the keyword. (UC-08)		
		sys on the Tracking list p	• '		
Post-condition:	i	es the news that related v			
Input data:	n/a				
Normal Flow:	1 11	the interface that consist	of the number of all amount		
_ , , ,		cebook, Twitter, and Pan			
			nber of the amount of result		
	that they want to				
	3. The system show	ws the list of result.			
Alternative Flow:	A. In step 2 of the norma	al flow, if the Member se	elects "Back" instead of the		
	number of all results.				
		ws the Account page.			
Exception:			update for the result for		
	the selected keyword fro	•			
	-		r of the amount of result.		
	A3. The Member goes back to do step 2 of the normal flow again.				
		1.01			
	-	•	sconnects from an internet.		
		s an error message about	internet disconnection.		
Include:	N/A				

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	20
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

Feature 3: Tracking system

UC-10: Track the news

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

User Case ID:	UC-10				
User Case Name:	Track the news				
Create By:	Pichet Potha	Last update by:	Pichet Potha		
-	Sittipong Borripan		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 "Tr	ack it" to track a news.			
Pre-condition:	The Member ha	s already finished search	ning the news. (UC-05,UC-06,-		
	UC-07)				
	 The Member sta 	ys on searching news res	sult page.		
Post-condition:	The system saves the user tracking information into the system (tracking)				
	list).				
	 A Member comp 	pletes to track news.			
Input data:	n/a				
Normal Flow:	 The Member sel 	ects "track it" button.			
		dates tracking word and			
	The system disp	lays interface of user acc	count page with tracking list.		
Alternative Flow:			id not log in to the system.		
	_		ster 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.				
		ws an error message abou	at internet disconnection.		
Include:	N/A				

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	21
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

- 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".

Document Name	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	22
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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	See tracking news			
Create By :	Pichet Potha Last update by: Pichet Potha				
_	Sittipong Borripan		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 th	e tracking news in tracking		
	list.				
Pre-condition:	• The Member finished tracking the news from the keyword. (UC-08)				
	 The Member sel 	ects the member name to	o go to the account page		
	 The Member sta 	ys on Account page.			
Post-condition:	The system disp	lays tracking news in tra	cking 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 show	ws an error message abou	ut internet disconnection.		
Include:	N/A				

- 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".

Document Name	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	23
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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	Last update by :	Pichet Potha		
	Sittipong Borripan	1 0	Sittipong Borripan		
Date Created :		Last Revision Date:	July 09, 2015		
Actor:	Member		•		
Description:	UC-12 is used, when the	Member wants to delete	e the news in tracking list.		
Trigger:	The Member selects "re	move" to remove the tra	acking news in the tracking		
	list table.				
Pre-condition:	The Member sta	ys on the Account page.	(UC-09)		
Post-condition:	The Member con	mpleted to delete the trace	cking news.		
Normal Flow:	1. The Member selects "remove" to remove the tracking news in the				
	tracking list tabl	e.			
	2. The system rem	loves the tracking news	from the system (tracking		
	list).				
		ates the information in th			
Alternative Flow:	A. In step 1 of the norma				
	A1. The system sho	ws message "You didn't	tracking news yet".		
	B. In step 1 of the norma		elects "Back" button.		
	B1. The system show	ws the Homepage.			
	C. La stan 1 of the named flow if the Manhan selects "Culturia" lasts				
	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.				
Exception.	-		at internet disconnection.		
Induda	N/A	The state of the s	at internet disconnection.		
Include:	IN/A				

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	24
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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	Last update by :	Pichet Potha		
_	Sittipong Borripan		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 chec	eks update for the news			
	2. The Member rec	eives the alert message f	from the system.		
Alternative Flow:	n/a				
Exception:	A. In step 2 of the norma				
	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.				
	i	ws an error message abo	ut internet disconnection.		
Include:	N/A				

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	25
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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	T 4 1 4 1	D' 1 (D (1		
Create By:	Pichet Potha	Last update by:	Pichet Potha		
	SIttpong Borripan		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	to receive the alert message.		
Trigger:	The Member selects "Of	f" to turn off the alert me	essage.		
Pre-condition:	The Member has	s already logged in to the	e 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 norma				
	A1. The system sho	· · · · · · · · · · · · · · · · · · ·			
	i i i i j	1.8			
	B. In step 1 of the norma	al flow, if the Member se	elects "Edit" button		
		ws the edit account page			
	D1. The system sho	ws the can account page	•		
	C. In step 1 of the norma	al flow if the Member se	elects "Submit" button		
	*	·			
Exception:	C1. The system shows the summary result page.				
Exception.					
	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.				
T 1 7		ws an error message abou	at internet disconnection.		
Include:	N/A				

- 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.

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	26
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	

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	Last update by:	Pichet Potha			
-	SIttpong Borripan		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.					
T 4.	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					
meiuue.	11/11					

- 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".

Document	SMTS_SRS_v.1.0.docx	Owner	PP, SB	Page	27
Name					
Document	Software Requirement	Release	August 28,2015	Print	August 28,2015
Type	Specification	Date		Date	