953323 Software Construction, Testing and Maintenance

Wat Phra Singh website

Test plan

By

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Chapter1| Unit test

1. Class name: UserServiceImpl

UTC-01: addUser(User user): Boolean

Description: This test case is used for adding a new user to the database via hibernate query. The parameters for this method are User object, which consists of {Long userid, String username, String password, String email}

Prerequisite or input required
    The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		User object	
1	Test by input User object with all parameters defined.	{3l, "ABC", "abc", "User1", "abc@abcmail.com"}	**True**
2	Test by input User object with some parameters defined.	{1l, "", "abc", "", "abc@abcmail.com"}	**False**
3	Test by not input object.	-	**False**
4	Test by input User object which are existed username from Appendix A	{1l, "user", "12345656", "User", "panjasin@gmail.com"}	**False**

UTC-02: getAllUser(): List<User>

Description: This test case is used for getting a list of users in database via hibernate query.

Prerequisite or input required
      The test data is available at Appendix A.

Test cases

ID	Description	Expected Result (List of User object)
1	Get a list of user object from Appendix A	{1l, "user", "123456", "User", "panjasin@gmail.com"} {2l, "admin", "123456", "Admin", "admin@yahoo.com"}

UTC-03: getUserbyIUsername(String username): User

Description: This test case is used for getting the user from database via hibernate query.

Prerequisite or input required
> The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		String user	
1	Test by input id = User which existed in Appendix A	User	{1l, "user", "123456", "User", "panjasin@gmail.com"}
2	Test by not input username	-	Null
3	Test by input id = pan which is not existed in Appendix A	pan	Null

2. **Class name: HistoryServiceImpl**

UTC-04: getHistory(): History

Description: This test case is used for getting the temple's history from the database via hibernate query.

Prerequisite or input required
      The test data is available at Appendix A.

Test cases

ID	Description	Expected Result (List of User object)
1	Get the history object from Appendix A.	{"Construction on Wat Phra Singh began in 1345 when King Phayu, the fifth king of the Mangrai dynasty, had a chedi built to house the ashes of his father King Kham Fu."}

UTC-05: editHistory(History history): Boolean

Description: This test case is used for editting the temple's history from the database via hibernate query.

Prerequisite or input required
       The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		History history	
1	Test by input History object with all parameters defined.	{"Wat Phra Singh is located in the western part of the old city centre of Chiang Mai, which is contained within the city walls and moat. The main entrance, which is guarded by Singhs (lions), is situated at the end of the main street (Rachadminnoen road) of Chiang Mai. The road runs east from the temple, via Tapae Gate, to the Ping River."}	**True**
2	Test by not input object.	-	**True**
3	Test by input History object which are existed username from Appendix A	{"Construction on Wat Phra Singh began in 1345 when King Phayu, the fifth king of the Mangrai dynasty, had a chedi built to house the ashes of his father King Kham Fu. "}	**True**

3. Class name: ActivityServiceImpl

UTC-06: getAllActivity() : List<Activity>

Description: This test case is used for getting a list of activity from the database via hibernate query. The parameters for this method are Activity object, which consists of {Long aid, String aname, String adescription, Char lang}

Prerequisite or input required
   The test data is available at Appendix A.

Test cases

ID	Description	Expected Result (List of User object)
1	Get the Activity object from Appendix A.	{2201, "Suspected migrant graveyard discovered in Songkhla", "At least 32 graves were discovered yesterday at what is thought to be a human-trafficking camp for Rohingya migrants near the Malaysian border.", "en"} {2202, "ไฟไหม้ปริศนานับร้อยครั้ง!?", "เกิดไฟไหม้ปริศนาโดยไม่มีสาเหตุ โดยเด็กอายุสองขวบสามารถทำนายการเกิดไฟไหม้ได้ คาดอาจเป็นร่างทรงกลับชาติมาเกิด", "th"}

UTC-07: editActivity(Long aid, Activity activity): Boolean

Description: This test case is used for edit an activity to the database via hibernate query. The parameters for this method is long aid and Activity object , which consists of {Long aid, String aname, String adescription, Char lang}

Prerequisite or input required
The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		Long aid, Activity object	
1	Test by input aid and Activity object with all parameters defined.	2202, {2202, "ไฟไหม้ปริศนานับร้อยครั้ง!?", "เกิดไฟไหม้ปริศนาโดยไม่มีสาเหตุ โดยเด็กอายุสองขวบสามารถทำนายการเกิดไฟไหม้ได้ คาดอาจเป็นคนร้ายก่อเหตุจุดเพลิงตั้งแต่ต้น โดยคาดหวังชื่อเสียงจากการก่อเหตุ", "th"}	**True**
2	Test by input aid and Activity object with some parameters.	2202, {2202, "ไฟไหม้ปริศนานับร้อยครั้ง!?", "", "th"}	**False**
3	Test by not input aid	{2202, "ไฟไหม้ปริศนานับร้อยครั้ง!?", "เกิดไฟไหม้ปริศนาโดยไม่มีสาเหตุ โดยเด็กอายุสองขวบสามารถทำนายการเกิดไฟไหม้ได้ คาดอาจเป็นคนร้ายก่อเหตุจุดเพลิงตั้งแต่ต้น โดยคาดหวังชื่อเสียงจากการก่อเหตุ", "th"} {2202, "ไฟไหม้ปริศนานับร้อยครั้ง!?", "", "th"}	
3	Test by not input Activity object	2202	**False**

UTC-08: addActivity(Activity activity): Boolean

Description: This test case is used for adding a new activity to the database via hibernate query. The parameters for this method are Activity object, which consists of {Long aid, String aname, String adescription, Char lang}

Prerequisite or input required
        The test data is available at Appendix A.

Test cases

ID	Description	Input		Expected Result
		Activity object		
1	Test by input Activity object with all parameters defined with non existed aid from Appendix A..	{2203, "วัดพระสิงห์ชิงกิ๊งคอนเทสท์", "พระสิงห์ชิงกิ๊งคอนเทสท์ โดยเมตตาพระเดชพระคุณพระราชสิงหวรมุนีเป็นอุปถัมภ์ รอบชิงชนะเลิศ ประจำปี ๒๕๕๗", "th"}		**True**
2	Test by input Activity object with some parameters defined	{2203, "วัดพระสิงห์ชิงกิ๊งคอนเทสท์", "", ""}		**False**
3	Test by not input object	-		**False**

UTC-09: deleteActivity(Long aid): Boolean

Description: This test case is used for deleting the activity object from the database by using activity id(aid) via hibernate query.

Prerequisite or input required
    The test data is available at Appendix A
Test cases

ID	Description	Input Lond aid	Expected Result
1	Test by input aid which is existed in Appendix A.	2202	**True**
2	Test by not input object	-	**False**
3	Test by input aid which is non existed in Appendix A.	2209	**False**

UTC-10: getActivityBylang(String lang): Activity

Description: This test case is used for adding a new activity to the database via hibernate query. The parameters for this method are String 'lang'

Prerequisite or input required
> The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		String lang	
1	Test by input id = langwhich existed in Appendix A	th	{2202, "ไฟไหม้ปริศนานับร้อยครั้ง!?", "เกิดไฟไหม้ปริศนาโดยไม่มีสาเหตุ โดยเด็กอายุสองขวบสามารถทำนายการเกิดไฟไหม้ได้คาดอาจเป็นร่างทรงกลับชาติมาเกิด", "th"}
2	Test by not input id	-	Null
3	Test by input id = 2210 which is not existed in Appendix A	TH	Null

4.   Class name: QuestionAnswerDAOImpl

UTC-11: getQuestion(): List<QuestionAnswer>

Description: This test case is used for get a list of Dharma question from database via hibernate query.

Prerequisite or input required
        The test data is available at Appendix A.

Test cases

ID	Description	Expected Result (List of QuestionAnswer object)
1	Get a list of QuestionAnswer object from Appendix A	{1101, "How can I become buddhist?", "", "true"} {1102, "Today is a good day, right?", "Maybe", "false"}

UTC-12: deleteQA(Long qid): Boolean

Description: This test case is used for deleting a Dharma question which has newQ value as 'True' from database via hibernate query. The parameters for this method is question and answer ID (qid).

Prerequisite or input required
    The test data is available at Appendix A.

Test cases

ID	Description	Input	Boolean newQ (See: Appendix A)	Expected Result
		Long qid		
1	Test by input QuestionAnswer object which are existed from Appendix A with value of newQ as "true"	1101	true	**True**
2	Test by input QuestionAnswer object which are existed from Appendix A with value of newQ as "false"	1102	false	**False**
3	Test by not input object.	-	-	**False**

UTC-13: answer(Long qid, String answer): Boolean

Description: This test case is used for adding an answer on selected Dharma question which has newQ value as 'True' and change value of newQ to 'False' to database via hibernate query. The parameters for this method are Long 'qid' and String 'answer'

Prerequisite or input required
   The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		Long qid, String answer	
1	Test by input qid and answer which are existed from Appendix A with value of newQ as "true"	{1101, "No, leave me alone"}	**True**
2	Test by input qid and answer which are existed from Appendix A with value of newQ as "false"	{1102, "Yes"}	**False**
3	Test by not input object.	Null	**False**

UTC-14: askQuestion(QuestionAnswer questionAnswer): Boolean

Description: This test case is used for adding a new Dharma question to database via hibernate query. The parameters for this method are QuestionAnswer object, which consists of {Long qid, String qname, String answer, Boolean newQ}

Prerequisite or input required
> The test data is available at Appendix A.

Test cases

ID	Description	Input	Expected Result
		QuestionAnswer object	
1	Test by input QuestionAnswer object with all parameters defined.	{1104, "Will you mary me?", "", "true"}	**True**
2	Test by input QuestionAnswer object with some parameters defined	{1105, "", "", "false"}	**False**
3	Test by not input object	Null	**False**
4	Test by input QuestionAnswer object which are existed from Appendix A	{1101, "Do you want to build a snow man?", "", "true"}	**False**

Appendix A

Test data

User table:

UserID	Username	Password	Display name	Email
1l	user	12345656	User	panjasin@gmail.com
2l	admin	12345656	Admin	admin@yahoo.com

History table:

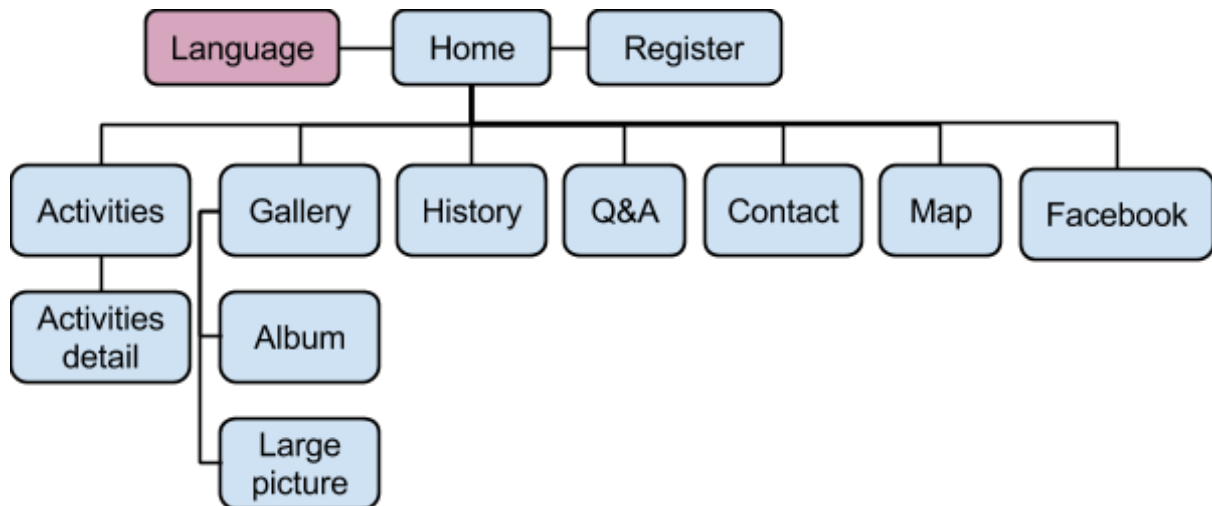| hdescription |
|---|
| Construction on Wat Phra Singh began in 1345 when King Phayu, the fifth king of the Mangrai dynasty, had a chedi built to house the ashes of his father King Kham Fu. |

Activity table:

aid	aname	adescription	lang
2201	Suspected migrant graveyard discovered in Songkhla	At least 32 graves were discovered yesterday at what is thought to be a human-trafficking camp for Rohingya migrants near the Malaysian border.	en
2202	ไฟไหม้ปริศนานับร้อยครั้ง!?	เกิดไฟไหม้ปริศนาโดยไม่มีสาเหตุ โดยเด็กอายุสองขวบสามารถทำนายการเกิดไฟไหม้ได้ คาดอาจเป็นร่างทรงกลับชาติมาเกิด	th

QuestionAnswer table:

qid	qname	Answer	newQ
1101	Do you want to build a snow man?	-	true
1102	Today is a good day, right?	Maybe	false

Chapter2| Integration test

Visitor part

ITC-01: Home page - Register page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Register page	Select register button	To be directed to the Register page.

ITC-02: Home page - Language module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Language module	Select languag button (EN/TH)	Display selected language on the website

Home page - Activities page - Activities detail page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Activities page	Select activities link on menu bar.	To be directed to the Activities page.
2	Check the interface link between the Activities page and Activities detail page	From Activities page select an activity topic link	To be directed to Activities detail page of selected activity.

Home page - Gallery page - Album page - Picture

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Gallery page	Select gallery link on the menu bar	To be directed to the Gallery page.
2	Check the interface link between the Gallery page and Album page	Select album link in the gallery page	To be directed to the Album page.
3	Check the interface link between the Album page and Large picture page	Select Large picture link in the album page	To be directed to the Album Large picture page.

Home page - History page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and History page	Select history link on the menu bar	To be directed to the History page.

Home page - Q&A page

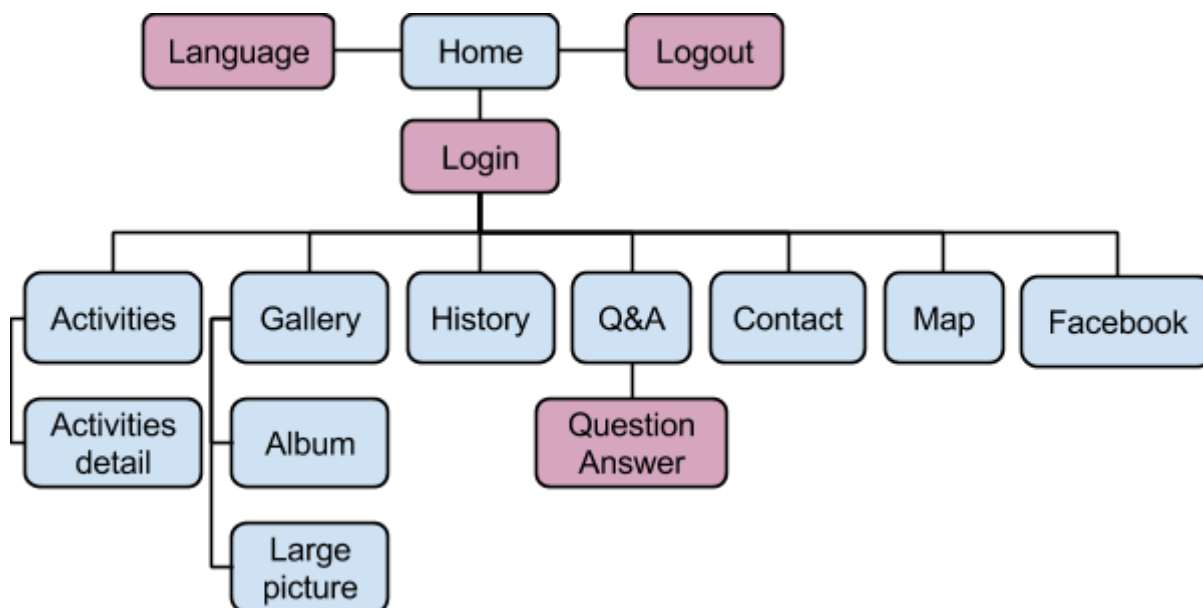| Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Q&A page	Select q&a link on the menu bar	To be directed to the Q&A page.

Home page - Contact page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Contact page	Select contact link on the menu bar	To be directed to the Contact page.

Home page - Map page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Map page	Select map link on the menu bar	To be directed to the Map page.

Home page - Facebook fan page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Facebook fan page.	Select Facebook icon on the menu bar	To be directed to the Wat Phra Singh Facebook fan page.

Member part

Home page - Language module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Language module	Select languag button (EN/TH)	Display selected language on the website

Home page - Login module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name

Home page - Login module - Activities page - Activities detail page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Activities page	Select activities link on menu bar.	To be directed to the Activities page.
3	Check the interface link between the Activities page and Activities detail page	From Activities page select an activity topic link	To be directed to Activities detail page of selected activity.

Home page - Login mudole - Gallery page - Album page - Picture

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Gallery page	Select gallery link on the menu bar	To be directed to the Gallery page.
3	Check the interface link between the Gallery page and Album page	Select album link in the gallery page	To be directed to the Album page.
4	Check the interface link between the Album page and Large picture page	Select Large picture link in the album page	To be directed to the Album Large picture page.

Home page - Login module - History page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and History page	Select history link on the menu bar	To be directed to the History page.

Home page - Login module - Q&A page - Question Answer module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Q&A page	Select q&a link on the menu bar	To be directed to the Q&A page
3	Check the interface link between the Question and Question Answer module	Fill in question form and select submit button	Update question to database

Home page - Login module - Contact page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name

2	Check the interface link between the Login module and Contact page	Select contact link on the menu bar	To be directed to the Contact page.

Home page - Map page

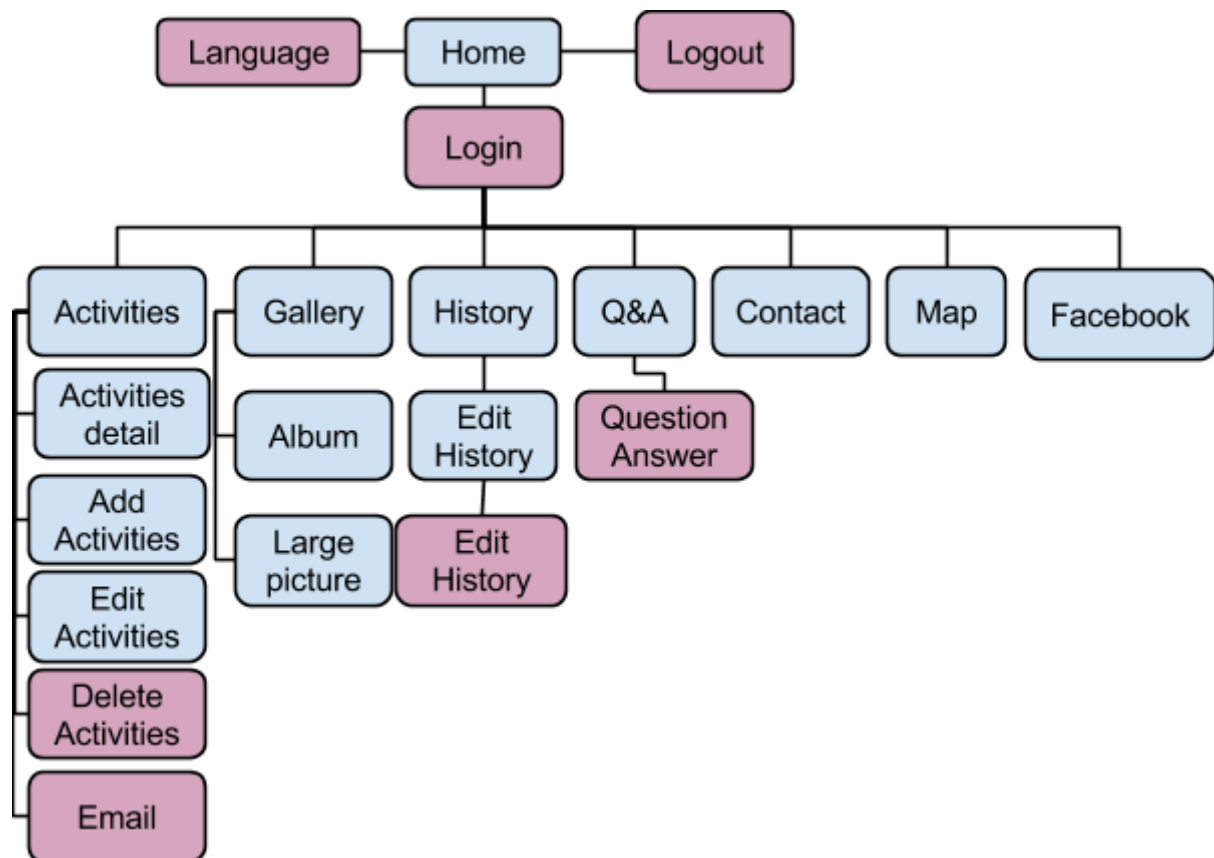| Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Map page	Select map link on the menu bar	To be directed to the Map page.

Home page - Facebook fan page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login and Facebook fan page.	Select Facebook icon on the menu bar	To be directed to the Wat Phra Singh Facebook fan page.

Home page - logout

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home	login into the website and select	Redirect to Home page with the login

	page and Logout module	logout button	form

Admin part

Home page - Language module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Language module	Select languag button (EN/TH)	Display selected language on the website

Home page - Login module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name

Home page - Login module - Activities page - Add activities page.

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Activities page	Select activities link on menu bar	To be directed to the Activities page
3	Check the interface link between the Activities page and Add activitiesl page	From Activities page select add button	Add new activity to the database and redirect to the Activities page

Home page - Login module - Activities page - Activities detail page - Edit activities page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login	Select activities link on menu bar	To be directed to the Activities page.

	module and Activities page		
3	Check the interface link between the Activities page and Activities detail page	From Activities page select an activity topic link	To be directed to Activities detail page of selected activity.
4	Check the interface link between the Activities detail page and Edit activities page	From Activities detail page select edit button	Update activity detail to the database and redirect to the Activities page

Home page - Login module - Activities page - Activities detail page - Delete activities page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Activities page	Select activities link on menu bar.	To be directed to the Activities page.
3	Check the interface link between the Activities page and Activities detail page	From Activities page select an activity topic link	To be directed to Activities detail page of selected activity.
4	Check the interface link between the Activities detail page and Delete activities module	From Activities detail page select delete button	Delete activity from the database and redirect to the Activities page

Home page - Login mudole - Gallery page - Album page - Picture

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Gallery page	Select gallery link on the menu bar	To be directed to the Gallery page.
3	Check the interface link between the Gallery page and Album page	Select album link in the gallery page	To be directed to the Album page.
4	Check the interface link between the Album page and Large picture page	Select Large picture link in the album page	To be directed to the Album Large picture page.

Home page - Login module - History page - Edit history page - Update history module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and History page	Select history link on the menu bar	To be directed to the History page.
3	Check the interface link between the History page and Edit history page	From the History page select edit button	To be directed to the Edit history page

| 4 | Check the interface link between the Edit history page and Update history module | From the Edit history page select edit button | Update history in database and redirect to the History page |

Home page - Login module - Q&A page - Question Answer module

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Q&A page	Select q&a link on the menu bar	To be directed to the Q&A page
3	Check the interface link between the Question and Question Answer module	Fill in answer form and select submit button	Update answer to database
4	Check the interface link between the Question and Question Answer module	From	Update answer to database

Home page - Login module - Contact page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Contact	Select contact link on the menu bar	To be directed to the Contact page.

	page		

Home page - Map page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login module and Map page	Select map link on the menu bar	To be directed to the Map page.

Home page - Facebook fan page

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link between the Home page and Login module	Fill in login form and select login button	Redirect to Home page and display user name
2	Check the interface link between the Login and Facebook fan page.	Select Facebook icon on the menu bar	To be directed to the Wat Phra Singh Facebook fan page.

Home page - logout

Test case ID	Test case Object	Test case Description	Expected Result
1	Check the interface link	login into the	Redirect to Home

	between the Home page and Logout module	website and select logout button	page with the login form

Remark

** [   ] = module

** [   ] = page

Chapter3| Acceptance Test

ATC-01: Visitor can register to Wat Phra Singh Website via registration page.

Description: This test case is an acceptance testing for URS-02. Visitor can register to the Wat Phra Singh Website via the registration page by fill the required information into register form and submit to the system.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Register" button.

2. Fills all information into the registration form.

3. Select "Submit" button.

4. System validates all information.

5. System adds information into the database.

Test cases

ID	Description	Input				Expected value
		Username	**Password**	**Display name**	**Email**	
1	Fill all required field in the registration form with all correct value.	ABC	abc	User1	abc@abcmail.com	-Visitor becomes member. - System adds user information into database
2	Fill only some required field in the registration form	ABC	-	User1	-	- Error message show. - Registration not success.

3	Fill the registration form with existing username	user	123456	User	punjasin@gmail.com	- Error message show. - Registration not success.

ATC-02: admin and member can log in to Wat Phra Singh Website via login form in homepage.

Description: This test case is an acceptance testing for URS-14. Admin and member can log in to the Wat Phra Singh website via login page by input username and password into log in form and submit to the system.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Open "home" page.

2. Input username and password.

3. Select "Submit" button.

4. System validates username and password.

5. System redirects to the homepage.

5.1 Redirect to the homepage of admin if the user logged in as an admin.

5.2 Redirect to the homepage of member if the user logged in as a member.

Test cases

ID	Description	Input		Expected value
		Username	**Password**	
1	Logged in as an admin by input username = "admin" and password = "123456" into login form.	admin	123456	- Redirect to homepage for admin.
2	Logged in as a member by input username = "user" and password = "123456" into login form.	user	123456	- Redirect to homepage for member.

3	Input incorrect username = "admin" and correct password = "1112" into login form.	admin	1112	- Error message show. - Refresh login page.
4	Input correct username = "userr" and incorrect password = "123" into login form.	userr	123	- Error message show. - Refresh login page.
5	Input incorrect username = "test" and incorrect password = "1234" into login form.	test11	1111	- Error message show. - Refresh login
6	Not input username and password into login form.	-	-	- Error message show. - Refresh login page.
7	Input only username = "admin" into login form.	admin	-	- Error message show. - Refresh login page.
8	Input only password = "123456" into login form.	-	123456	- Error message show. - Refresh login page.

ATC-03: Visitor, Member, and Admin can switch website language between Thai and English language.

Description: This test case is an acceptance testing for URS-03. Visitor, Member, and admin can switch website language between Thai and English language via home page by select the language option button on the top right of the page.

Test step

1. Open "home" page.

2. Select "EN" or "TH" button.

Test cases

ID	Description	Input	Expected value
1	Select "EN" button.	EN button	- Display the English version.
2	Select "TH" button.	TH button	- Display the Thai version.
3	Don't select any language.	-	- Display the English version.

ATC-04: Visitor, Member, and Admin can view the activities of the temple.

Description: This test case is an acceptance testing for URS-04. Visitor, Member, and Admin can view all activities of the temple via activities announcement page by select "Activities" link on the menu bar.

Test step

1. Select "Activities" link on menu bar.

2. System displays all activities of Wat Phra Singh with the picture on the activities announcement page.

Test cases

ID	Description	Input	Expected value
1	Select "activities" link.	activity link	- Display contact detail in English.
2	Select the "กิจกรรม" link.	"กิจกรรม" link	- Display contact detail in Thai.

ATC-05: Visitor, Member, and Admin can view the detail of selected activity.

Description: This test case is an acceptance testing for URS-05. Visitor, Member, and Admin can view the detail of selected activity by select the activity on the activities announcement page.

Test step

1. Select "Activities" link on menu bar.

2. System displays all activities of Wat Phra Singh with the picture on the activities announcement page.

3. Select the activity name link.

4. System display the detail of selected activity.

Test cases

ID	Description	Input	Expected value
1	Select the activity name link in English language.	"Bai sri su khwan" link	- Display activity detail in English.
2	Select the activity name link in Thai language.	"บายศรีสู่ขวัญ" link	- Display activity detail in Thai.

ATC-06: Visitor, Member, and Admin can view history of the temple.

Description: This test case is an acceptance testing for URS-07. Visitor, Member, and Admin can view history of the temple via history page by select "History" link on the menu bar.

Test step

1. Select "History" link on menu bar.

2. System displays history of Wat Phra Singh with the picture on the history page.

Test cases

ID	Description	Input	Expected value
1	Select history link.	"history" link	- Display history detail in English.
2	Select ประวัติ link.	"ประวัติ" link	- Display history detail in English.

ATC-07: Visitor, Member, and Admin can view the gallery of the temple.

Description: This test case is an acceptance testing for URS-08. Visitor, Member, and Admin can view gallery of the temple which contain picture of the activity via gallery page by select "Gallery" link on the menu bar.

Test step

1. Select "Gallery" link on menu bar.

2. System displays albums of Wat Phra Singh.

Test cases

ID	Description	Input	Expected value
1	Select gallery link.	"gallery" link	- Display the gallery title in English. - Display thumbnail picture of all albums.
2	Select แกลลอรี่ link.	"แกลลอรี่" link	- Display the gallery title in Thai. - Display thumbnail picture of all albums.

ATC-08: Visitor, Member, and Admin can view all pictures in the selected album.

Description: This test case is an acceptance testing for URS-09. Visitor, Member, and Admin can view all pictures in the album by select the album in the Gallery page.

Test step

1. Select "Gallery" link on menu bar.

2. System displays albums of Wat Phra Singh.

3. Select the album in the Gallery page.

4. System display pictures that contain in the album.

Test cases

ID	Description	Input	Expected value
1	Select album in English version.	"Bai sri su khwan" album name link	- Display thumbnail pictures that contain in the album.
2	Select album in Thai version.	"บายศรีสู่ขวัญ" album name link	- Display thumbnail pictures that contain in the album.

ATC-09: Visitor, Member, and Admin can view the larger size of selected picture.

Description: This test case is an acceptance testing for URS-10. Visitor, Member, and Admin can view the larger size of selected picture by select the picture on the Gallery page.

Test step

1. Select "Gallery" link on menu bar.

2. System displays albums of Wat Phra Singh.

3. Select the album in the Gallery page.

4. System display pictures that contain in the album.

5. System displays the larger size of the selected picture.

Test cases

ID	Description	Input	Expected value
1	Select picture in English version.	Picture link	- Display larger size of the selected picture.
2	Select picture in Thai version.	Picture link	- Display larger size of the selected picture.

ATC-10: admin and member can log out from Wat Phra Singh Website.

Description: This test case is an acceptance testing for URS-15. Admin and member cans log out from the Wat Phra Singh website by selecting a log out button.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "log out" button.

2. Confirms log out.

3. System redirects to the homepage for visitor.

Test cases

ID	Description	Input	Expected value
1	Selects log out button	Log out button	- Status of admin or member becomes visitor. - Redirect to homepage for visitor.
2	Selects "ออกจากระบบ" button	Log out button	- Status of admin or member becomes visitor. - Redirect to homepage for visitor.

ATC-11: Visitor, Member and Admin can view the Wat Phra Singh contact detail which display a place, phone number, and operating date and time on the contact page of Wat Phra Singh Website.

Description: This test case is an acceptance testing for URS-11. Visitor, Member, and Admin can view the contact page. The system will provide contact detail for user by display in the contact page.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Contact" link on menu bar.

2. System displays a contact detail of Wat Phra Singh on the contact page.

Test cases

ID	Description	Input	Expected value
1	Select contact link.	contact link	- Display contact detail in English.
2	Seelct "ติดต่อ" link.	"ติดต่อ" link	- Display contact detail in Thai.

ATC-12: Visitor, Member and Admin can view the map which display a route from user to Wat Phra Singh on the map page of Wat Phra Singh Website.

Description: This test case is an acceptance testing for URS-12. Visitor, Member, and Admin can view the map page. The system will provide route from user location to Wat Phra Singh then display in the map.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Map" menu bar.

2. System displays a route from user to Wat Phra Singh on the map.

Test cases

ID	Description	Input	Expected value
1	Select map link.	map link	- Display map.
2	Select "แผนที่" link.	"แผนที่" link	- Display map.

ATC-13: Visitor, Member and Admin can redirect to the temple's Facebook fan page.

Description: This test case is an acceptance testing for URS-13. Visitor, Member and Admin can redirect to the temple's Facebook fan page by selecting a Facebook menu bar.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Facebook" menu bar.

2. System redirects to the Facebook page of Wat Phra Singh.

Test cases

ID	Description	Input	Expected value
1	Select Facebook icon link.	Facebook icon link.	- Display Wat Phra Singh Temple Facebook Fan page.

ATC-14: Member can send the Dharma question via Q&A page.

Description: This test case is an acceptance testing for URS-16. Member can send the Dharma question. The user must fill in question form in the Q&A page then system will send the question to question table in database.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Open "Q&A" page.

4. Input question into question form then select "Submit" button.

6. System sends the question to question table in database.

Test cases

ID	Description	Input	Expected value
1	Fills all required field in the question form with all correct value in English.	"Question1"	- System add the question in database.
2	Fills all required field in the question form with all correct value in Thai.	"คำถาม1"	- System add the question in database.
3	Does not fills required field in the question form.	-	- Error message show. - The question cannot be sent. Member is in the Question page until

			complete to fill the form.

ATC-15: Visitor, member, and Admin can view Dharma question and answer in Wat Phra Singh Website in the Q&A page.

Description: This test case is an acceptance testing for URS-06 and URS-21. Visitor, member and admin cans view Dharma question and answer in the Wat Phra Singh by select 'Q&A' on menu bar, then system will display list of Dhrama question and answer on Q&A page.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Q&A" on menu bar.

2. System display all Dharma question and answer from the database.

Test cases

ID	Description	Input	Expected value
1	Visitor select Q&A link.	Q&A in English	- Display Question and answer in English.
2	Visitor select "ปุจฉา-วิสัชนา" link.	"ปุจฉา-วิสัชนา" link	- Display Question and answer in Thai.
3	Member select Q&A link.	Q&A in English	- Display Question and answer in English. - Display the question form and submit button.
4	Member select "ปุจฉา-วิสัชนา" link.	"ปุจฉา-วิสัชนา" link	- Display Question and answer in Thai.

			- Display the question form and submit button.
5	Admin select Q&A link.	Q&A in English	- Display Question and answer in English. - Display the question form and submit button. - Display unanswered question.
6	Admin select "ปุจฉา-วิสัชนา" link.	"ปุจฉา-วิสัชนา" link	- Display Question and answer in Thai. - Display the question form and submit button. - Display unanswered question.

ATC-16: Member can receive the notification email about the new activity from the temple via the registered email.

Description: This test case is an acceptance testing for URS-17 .Member can receive the notification about the new activity from the temple via the registered email. The system will generate message up to type of notification then send to the user.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Admin update activity.

2. System generates the message and sends to the member via registered email.

Test cases

ID	Description	Input	Expected value
1	Admin add the new activity.	new activity	- System send the new activity notification to the registered email of member.

ATC-17: Admin can add the temple's activities in the update activities page.

Description: This test case is an acceptance testing for URS-18. Admin can add new temple's activities via the add activity page by fill the require information into activity form and submit to the system.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Activity" on menu bar.

2. Select "Add" button.

3. System displays add activity page.

4. Input all information require into activity form.

5. Select "Submit" button.

6. System add new activity to the database.

7. System shall redirect to the "Activities" page.

Test cases

ID	Description	Input				Expected value
		Name	**Description**	**Date**	**Venue**	
1	Admin fills all required field in the add new activity form with all correct value.	Activity 1	Description of Activity 1	20/5/2015	Wat 1	- System adds the new activity into database
2	Admin fills only some required field	Activity 1	Description of	-	-	- Error message

	in the add new activity form		Activity 1			show. - The new activity addition is not success.
3	Admin fills the add new activity form with existing username	บายศรีสู่ขวัญ	งานบายศรีสู่ ขวัญ กุฏิพระหอ คำแปง สีหพา รามสามิกวัด พระสิงห์หลวง	25/6/2015	กุฏิพระหอ คำแปง สีหพาราม สามิกวัด พระสิงห์ หลวง	- Error message show. - The new activity addition is not success.

ATC-18: Admin can edit activities in Wat Phra Singh Website via edit activity page.

Description: This test case is an acceptance testing for URS-19. Admin can edit activities in the Wat Phra Singh Website by select edit activity button. System will retrieve an activity's information form database and let admin modify it.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Activity" on menu bar.

2. Select "Edit" button.

3. System displays activity's information in edit activity form.

4. Edits information and submits form.

5. System validates all information.

6. System updates information in the database.

7. System shall redirect to the "Activities" page.

Test cases

ID	Description	Input				Expected value
		Name	**Description**	**Date**	**Venue**	
1	Admin fills all required field in the edit activity form with all correct value in English.	Edit activity 1	Edit description of Activity 1	20/5/2015	Wat 1	- System update the edited activity into database
2	Admin fills only some required field	Edit activity 1	Edit description of	-	-	- Error message

	in the add new activity form in English.		Activity 1			show. - The activity update is not success.
3	Admin fills all required field in the edit activity form with all correct value in Thai.	แก้ไขบายศรีสู่ ขวัญ	แก้ไขงานบายศรี สู่ขวัญ กุฏิพระ หอคำแปง สีหพารามสามิก วัดพระสิงห์ หลวง	25/6/2015	แก้ไขกุฏิ พระหอคำ แปง สีหพา รามสามิกวัด พระสิงห์ หลวง	- System update the edited activity into database
4	Admin fills only some required field in the add new activity form in English.	แก้ไขบายศรีสู่ ขวัญ	-	-	แก้ไขกุฏิ พระหอคำ แปง สีหพา รามสามิกวัด พระสิงห์ หลวง	- System update the edited activity into database

ATC-19: Admin can delete activities in Wat Phra Singh Website.

Description: This test case is an acceptance testing for URS-20. Admin can delete activity in the Wat Phra Singh Website by select delete activity button. System delete an activity from database.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Activity" on menu bar.

2. Select "Delete" button.

3. System delete activity from the database.

4. System shall redirect to the "Activities" page.

Test cases

ID	Description	Input	Expected value
1	Admin selects the activity which contains the following object {"Activity 1", "Description of Activity 1","20/5/2015", "Wat 1"}	Select delete button.	- The object {"Activity 1", "Description of Activity 1","20/5/2015", "Wat 1"} deleted from the database.

ATC-20: Admin can answer the Dharma question in the QA page.

Description: This test case is an acceptance testing for URS-22. Admin can add answer for unanswered Dharma question via the QA page by fill the answer form and submit to the system.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "Q&A" on menu bar.

3. System displays question with answer, and unanswered question.

4. Input answer into answer form then select "Submit" button.

5. System add new activity to the database.

7. System shall add answer into database.

Test cases

ID	Description	Input	Expected value
1	Admin fills the answer in answer form in English.	"Answer question1"	- System add the answer in database. - System shall enable Visitor and Member to see the question and answer in English.
2	Admin fills the answer in answer form in English.	"ตอบคำถาม 1"	- System add the answer in database. - System shall enable Visitor and Member to see the question

			and answer in Thai.
3	Admin does not fills answer in the answer form.	-	- Error message show. - The question shall disable to see by Visitor and Member.

ATC-21: Admin can edit the history of the temple.

Description: This test case is an acceptance testing for URS-24. Admin can edit history in the Wat Phra Singh Website by select edit button. System will retrieve an activity's information form database and let admin modify it.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Select "History" on menu bar.

2. Select "Edit" button.

3. System displays activity's information in edit activity form.

4. Edits information and submits form.

5. System validates all information.

6. System updates information in the database.

7. System shall redirect to the "History" page.

Test cases

ID	Description	Input	Expected value
1	Admin selects to edit history in English that contains the following object {"The temple houses an important Buddha statue: the Phra Buddha Sihing which gives the temple its name. The origins of this statue are unknown but, according to legend, it	Select edit button.	- The object {"There are two more Buddha statues in Thailand which are claimed to be the Phra Buddha Sihing: one is housed in Wat Phra Mahathat in the city of Nakhon Si Thammarat and another in the Bangkok National

	was based on the lion of Shakya, a statue since lost which used to be housed in the Mahabodhi Temple of Bodh Gaya (India). The Phra Buddha Sihing statue is supposed to have been brought, via Ceylon (present day Sri Lanka), to Ligor (present day Nakhon Si Thammarat and from there, via Ayutthaya, to Chiang Mai." }		Museum.It is alleged that the head of the statue had been stolen in 1922. The possibility remains that the present statue (or maybe only the head) is a copy."} is updated from the database.
2	Admin selects to edit history in Thai that contains the following object {วัดพระสิงห์วรมหาวิหาร ได้รับการประกาศเป็นโบราณสถานสำหรับชาติ ตามประกาศในราชกิจจานุเบกษา เล่ม 52 ตอนที่ 0ง วันที่ 8 มีนาคม 2478 พร้อมกับวัดอีกหลายแห่งในจังหวัดเชียงใหม่}	Select edit button.	- The object {พญาผายูกษัตริย์เชียงใหม่ราชวงศ์มังรายโปรดเกล้าฯ ให้สร้างขึ้นในปี พ.ศ. 1888 ขั้นแรกให้ก่อสร้างเจดีย์สูง 23 วา เพื่อบรรจุพระอัฐิของพญาคำฟู พระราชบิดา ต่อมาอีก 2 ปี จึงได้สร้างพระอาราม เสนาสน วิหาร ศาลาการเปรียญ หอไตร และกุฏิสงฆ์ เมื่อเสร็จเรียบร้อย ทรงตั้งชื่อว่า "วัดลีเชียงพระ" สมัยพระเจ้าแสนเมืองมา ขึ้นครองนครเชียงใหม่ โปรดให้อัญเชิญพระพุทธสิหิงค์มาจากเมืองเชียงราย เมื่อขบวนช้างอัญเชิญมาถึง} is updated from the database.
3	Admin does not fill the edit history form	-	- Display error message. - Cannot push submit button.

ATC-22: Admin can delete the Dharma question in the Question page.

Description: This test case is an acceptance testing for URS-23. Admin can answer the Dharma question. The user must fill in answer form in the Q&A page then system will update the answer to questionAnswer table in database.

Prerequisite or input required

The test data is available at Appendix A.

Test step

1. Open "Q&A" page.

4. Input answer into answer form then select "Submit" button.

6. System updates the answer to questionAnswer table in database.

Test cases

ID	Description	Input	Expected value
1	Admin fills the answer form with all correct value in English.	"Answer1"	- System add the answer into database.
2	Admin fills the answer form with all correct value in Thai.	"คำตอบ1"	- System add the answer into database.
3	Member does not fills the answer form.	-	- Error message show. - The answer cannot be updated. Admin is in the Q&A page until complete to fill the answer form.

ATC-23: Visitor, Member, and Admin can view the home page of the website.

Description: This test case is an acceptance testing for URS-01. Visitor, Member, and Admin can view the home page of the website by select "Wat Phra Singh" link on the menu bar.

Test step

1. Select "Wat Phra Singh" link on menu bar.

2. System displays the home page.

Test cases

ID	Description	Input	Expected value
1	Visitor, Member, and Admin can view the home page.	Wat Phra Singh link	- Display home page in English.
2	Visitor, Member, and Admin can view the home page.	วัดพระสิงห์วรมหาวิหาร link	- Display home page in Thai.

Chapter4| User Acceptance Test

Visitor part

Test script - Summary:

A is a member who doesn't have account yet. She wants to look around the Wat Phra Singh Website before decide to register to be a member of the website.

UAT-01: Test Home page

	Test Step	Expected result	Actual result	Pass / Fail	
1.1	Click arrow in the slide from homepage	View the next/previous slide.	View the next/previous slide.		
1.2	Click language (TH / EN) on the menu bar	The language of the website change to the Selected language	The language of the website change to the Selected language		

UAT-02: Test Activities page

	Test Step	Expected result	Actual result	Pass / Fail	
1.3	Click 'Activities' button on the menu bar	Activities page is displayed.	Activities page is displayed.		
1.4	Click activity name from activity in activities page	Selected activity detail page is displayed.	Selected activity detail page is displayed.		

UAT-03: Test Gallery page

	Test Step	Expected result	Actual result	Pass / Fail	
1.5	Click album name from albums in Gallery page	Selected album page is displayed.	Selected album page is displayed.		
1.6	Click picture in album page.	Larger size of selected picture is display	Larger size of selected picture is display		
1.7	Click album name from albums in Gallery page	Selected album page is displayed.	Selected album page is displayed.		

UAT-04: Test History page.

	Test Step	Expected result	Actual result	Pass / Fail	
1.8	Click 'History' button on the menu bar	History page is displayed.	History page is displayed		

UAT-05: Test Q&A page.

	Test Step	Expected result	Actual result	Pass / Fail	
1.9	Click 'Q&A' button on the menu bar	Q&A page is displayed.	Q&A page is displayed.		

UAT-06: Test Contact page.

	Test Step	Expected result	Actual result	Pass / Fail	
1.10	Click 'Contact' button on the menu bar	Contact page is displayed.	Contact page is displayed.		

UAT-07: Test Map page.

	Test Step	Expected result	Actual result	Pass / Fail	
1.11	Click 'Map' button on the menu bar	Map page is displayed.	Map page is displayed.		

UAT-08: Test Facebook fan page link.

	Test Step	Expected result	Actual result	Pass / Fail	
1.12	Click 'Facebook' icon on the menu bar	Wat Phra Singh Facebook fan page is displayed.	Wat Phra Singh Facebook fan page is displayed.		

UAT-09: Test Register page.

	Test Step	Expected result	Actual result	Pass / Fail	
1.13	Click 'Wat Phra Singh' on the menu bar to get back to home page.	Home page is displayed.	Home page is displayed.		
1.14	Click 'Register' button, fill all require information	Register success and redirect to home page.	Register success and redirect to home page.		

and Click 'submit' button				

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Member part

Test script - Summary:

B is a user with a member account. He wants to login as a member, look around the Wat Phra Singh Website and see what he can do.

UAT-10 – Test Home page

	Test Step	Expected result	Actual result	Pass / Fail	
2.1	Click arrow in the slide from homepage	View the next/previous slide.	View the next/previous slide.		
2.2	Click language (TH / EN) on the menu bar	The language of the website change to the Selected language	The language of the website change to the Selected language		

UAT-11 – Test login

	Test Step	Expected result	Actual result	Pass / Fail	
2.3	Fill in username and password then click 'Login' button.	Login success, redirect to home page. The menu bar show 'hello' follow by user name and 'Logout' button	Login success, redirect to home page. The menu bar show 'hello' follow by user name and 'Logout' button		

UAT-12 – Test Activities page

	Test Step	Expected result	Actual result	Pass / Fail	
2.4	Click 'Activities' button on the menu bar	Activities page is displayed.	Activities page is displayed.		
2.5	Click activity name from activity in activities page	Selected activity detail page is displayed.	Selected activity detail page is displayed.		

UAT-13 – Test Receive notification

	Test Step	Expected result	Actual result	Pass / Fail	
2.6	Wait until admin add new activity	Receive notification email from the Wat Phra Singh Website	Receive notification email from the Wat Phra Singh Website		

UAT-14 – Test Gallery page

	Test Step	Expected result	Actual result	Pass / Fail	
2.7	Click 'Gallery' button on the menu bar	Gallery page is displayed.	Gallery page is displayed.		
2.8	Click album name from albums in Gallery page	Selected album page is displayed.	Selected album page is displayed.		
2.9	Click picture in album page.	Larger size of selected picture is display	Larger size of selected picture is display		

UAT-15 – Test History page.

	Test Step	Expected result	Actual result	Pass / Fail	
2.10	Click 'History' button on the menu bar	History page is displayed.	History page is displayed.		

UAT-16 – Test Q&A page.

	Test Step	Expected result	Actual result	Pass / Fail	
2.11	Click 'Q&A' button on the menu bar	Q&A page is displayed.	Q&A page is displayed.		

UAT-17 – Test send Dharma question on Q&A page.

	Test Step	Expected result	Actual result	Pass / Fail	
2.12	Click 'Q&A' button on the menu bar	Q&A page is displayed.	Q&A page is displayed.		
2.13	Fill in question form and click 'Submit' button	Send question success	Send question success		

UAT-18 – Test Contact page.

	Test Step	Expected result	Actual result	Pass / Fail	

| 2.14 | Click 'Contact' button on the menu bar | Contact page is displayed. | Contact page is displayed. | | |

UAT-19 – Test Map page.

	Test Step	Expected result	Actual result	Pass / Fail	
2.15	Click 'Map' button on the menu bar	Map page is displayed.	Map page is displayed.		

UAT-20 – Test Facebook fan page link.

	Test Step	Expected result	Actual result	Pass / Fail	
2.16	Click 'Facebook' icon on the menu bar	Wat Phra Singh Facebook fan page is displayed.	Wat Phra Singh Facebook fan page is displayed.		

UAT-21- Logout.

	Test Step	Expected result	Actual result	Pass / Fail	
2.17	Click 'Log out' on the menu bar	Log out success and redirect to home page.	Log out success and redirect to home page.		

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Admin part

Test script - Summary:

C is a user with an admin account. He wants to login as an admin, look around the Wat Phra Singh Website and see what he can do.

UAT-22 – Test Home page

	Test Step	Expected result	Actual result	Pass / Fail	
3.1	Click arrow in the slide from homepage	View the next/previous slide.	View the next/previous slide.		
3.2	Click language (TH / EN) on the menu bar	The language of the website change to the Selected language	The language of the website change to the Selected language		

UAT-23 – Test login

	Test Step	Expected result	Actual result	Pass / Fail	
3.3	Fill in username and password then click 'Login' button.	Login success, redirect to home page. The menu bar show 'hello' follow by user name and 'Logout' button	Login success, redirect to home page. The menu bar show 'hello' follow by user name and 'Logout' button		

UAT-24 – Test Activities page

	Test Step	Expected result	Actual result	Pass / Fail	
3.4	Click 'Activities' button on the menu bar	Activities page is displayed.	Activities page is displayed.		
3.5	Click activity name from activity in activities page	Selected activity detail page is displayed.	Selected activity detail page is displayed.		

UAT-25 – Test add activity on Activities page

	Test Step	Expected result	Actual result	Pass / Fail	
3.6	Click 'Activities' button on the menu bar	Activities page is displayed.	Activities page is displayed.		
3.7	Click activity name	Selected activity	Selected activity detail		

		detail page is displayed.	page is displayed.		
	from activity in activities page				

UAT-26 – Test edit activity on Activities page

	Test Step	Expected result	Actual result	Pass / Fail	
3.8	Click 'Activities' button on the menu bar	Activities page is displayed.	Activities page is displayed.		
3.9	Click activity name from activity in activities page	Selected activity detail page is displayed.	Selected activity detail page is displayed.		
3.10	Click 'Edit' button on activity's detail page.	View Edit activity form with the information of the activity.	View Edit activity form with the information of the activity.		
3.11	Fill in activity's information in activity form and click submit	Edit success, the system update activity's information in database	Edit success, the system update activity's information in database		

UAT-27 – Test delete activity on Activities page

	Test Step	Expected result	Actual result	Pass / Fail	
3.12	Click 'Activities' button on the menu bar	Activities page is displayed.	Activities page is displayed.		
3.13	Click 'Delete' button	Selected activity has delete from database and delete from Activities page.	Selected activity has delete from database and delete from Activities page.		

UAT-28 – Test Gallery page

	Test Step	Expected result	Actual result	Pass / Fail	
3.14	Click 'Gallery' button on the menu bar	Gallery page is displayed.	Gallery page is displayed.		
3.15	Click album name from albums in Gallery page	Selected album page is displayed.	Selected album page is displayed.		
3.16	Click picture in album page.	Larger size of selected picture is display	Larger size of selected picture is display		

UAT-29 – Test History page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.17	Click 'History' button on the menu bar	History page is displayed.	History page is displayed.		

UAT-30 – Test edit history on History page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.18	Click 'History' button on the menu bar	History page is displayed.	History page is displayed.		
3.19	Click 'Edit' button on History page.	View Edit history form with the history's information.	View Edit history form with the history's information.		
3.20	Fill in history's information in activity form and click submit	Edit success, the system update history's information in database	Edit success, the system update history's information in database		

UAT-31 – Test Q&A page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.21	Click 'Q&A' button on the menu bar	Q&A page is displayed.	Q&A page is displayed.		

UAT-32 – Test answer Dharma question on Q&A page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.22	Click 'Q&A' button on the menu bar	Q&A page is displayed.	Q&A page is displayed.		
3.23	Fill in answer form and click 'Submit' button	Answer success, the question and answer display on Q&A page.	Answer success, the question and answer display on Q&A page.		

UAT-33 – Test delete unanswered question Dharma question on Q&A page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.22	Click 'Q&A' button on the menu bar	Q&A page is displayed.	Q&A page is displayed.		

3.23	Click 'Delete' button	The question has delete from database and delete from Q&A page.	The question has delete from database and delete from Q&A page.		

UAT-34 – Test Contact page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.24	Click 'Contact' button on the menu bar	Contact page is displayed.	Contact page is displayed.		

UAT-35 – Test Map page.

	Test Step	Expected result	Actual result	Pass / Fail	
3.25	Click 'Map' button on the menu bar	Map page is displayed.	Map page is displayed.		

UAT-36 – Test Facebook fan page link.

	Test Step	Expected result	Actual result	Pass / Fail	
3.26	Click 'Facebook' icon on the menu bar	Wat Phra Singh Facebook fan page is displayed.	Wat Phra Singh Facebook fan page is displayed.		

UAT-37- Logout.

	Test Step	Expected result	Actual result	Pass / Fail	
3.27	Click 'Log out' on the menu bar	Log out success and redirect to home page.	Log out success and redirect to home page.		

Tester

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Date

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Chapter5| Non-functional requirement test

for Wat Phra Singh Website by Aslan group

Assessment Level 5 = strongly agree, 4 = agree, 3= neither agree nor disagree, 2 = disagree, 1 = strongly disagree

	Criteria	Assessment Level					Remark
		5	4	3	2	1	
1	**Visitor part**						
1.1	The template of the website is appropriate for visitor.						
1.2	Functions for visitor cover user requirements.						
1.3	All functions for visitor are work properly.						
2	**Member part**						
2.1	The template of the website is appropriate for member.						
2.2	Functions for member cover user requirements.						
2.3	All functions for member are work properly.						
3	**Admin part**						
3.1	The template of the website is appropriate for admin.						
3.2	Functions for admin cover user requirements.						
3.3	All functions for admin are work properly.						
4	**Overall of the website**						
4.1	Overall template of the website is appropriate.						
4.2	Overall functions are cover user requirements.						

Criteria		Assessment Level					Remark
		5	4	3	2	1	
4.3	The website can be used in the real world.						
4.4	The website is designed to be understandable and learnable.						
4.5	The website have a high performance and high security.						
4.6	The website has detail of Wat Phra Singh completely.						
4.7	Satisfaction for the website.						

Comment

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Assessment

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Date _____/_____/_____

การประเมินความพึงพอใจต่อเว็บไซต์ **Wat Phra Singh Website** โดยกลุ่ม **Aslan**

ระดับการประเมิน๕ = มากที่สุด๔ = มาก ๓ = ปานกลาง ๒ = น้อย ๑ = น้อยที่สุด

	ประเด็นการประเมิน	ระดับการประเมิน					หมายเหตุ
		๕	๔	๓	๒	๑	
๑	**สำหรับผู้ใช้ทั่วไป**						
๑.๑	รูปแบบของเว็บไซต์สำหรับผู้ใช้งานทั่วไปมีความเหมาะสมต่อผู้ใช้ทั่วไป						
๑.๒	*ฟังก์ชั่นสำหรับผู้ใช้ทั่วไปในเว็บไซต์ครบถ้วนตามความต้องการของผู้ใช้						
๑.๓	*ฟังก์ชั่นสำหรับผู้ใช้ทั่วไปสามารถทำงานได้อย่างถูกต้อง						
๒	**สำหรับสมาชิก**						
๒.๑	รูปแบบของเว็บไซต์มีความเหมาะสมต่อสมาชิก						
๒.๒	*ฟังก์ชั่นสำหรับสมาชิกในเว็บไซต์ครบถ้วนตามความต้องการของผู้ใช้						
๒.๓	*ฟังก์ชั่นสำหรับสมาชิกสามารถทำงานได้อย่างถูกต้อง						
๓	**สำหรับผู้ดูแลเว็บไซต์**						
๓.๑	รูปแบบของเว็บไซต์มีความเหมาะสมต่อผู้ดูแลเว็บไซต์						
๓.๒	*ฟังก์ชั่นสำหรับผู้ดูแลเว็บไซต์ครบถ้วนตามความต้องการของผู้ใช้						
๓.๓	*ฟังก์ชั่นสำหรับสมาชิกสามารถทำงานได้อย่างถูกต้อง						
๔	**ภาพรวมของเว็บไซต์**						
๔.๑	รูปแบบของเว็บไซต์มีความเหมาะสม						
๔.๒	*ฟังก์ชั่นโดยรวมในเว็บไซต์ครบถ้วนตามความต้องการของผู้ใช้						
๔.๓	เว็บไซต์สามารถนำไปใช้งานได้จริง						
๔.๔	เว็บไซต์ออกแบบให้เข้าใจง่ายและง่ายในการใช้ฟังก์ชั่นต่างๆ						

ประเด็นการประเมิน		ระดับการประเมิน					หมายเหตุ
		๕	๔	๓	๒	๑	
๔.๕	เว็บไซต์สามารถตอบสนองต่อการเลือกใช้ฟังก์ชั่นต่างๆได้อย่างรวดเร็วและปลอดภัย						
๔.๖	เว็บไซต์มีข้อมูลครบถ้วน						
๔.๗	ความพึงพอใจภาพรวมต่อเว็บไซต์						

*ฟังก์ชั่น = การทำงานของเว็บไซต์

ข้อเสนอแนะ

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ผู้ทำการประเมิน

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Traceability Matrix

No.	URS ID	URS	SRS ID	UTC	ITC	ATC	UAT
1	01	Visitor, Member, and Admin can view the home page of the website.	01- 04	-	01,10,19	23	01,10,22
2	02	Visitor can register to be a member of the Wat Pra Singh web site.	01, 05-30	01	01	01	9
3	03	Visitor, Member, and Admin can switch website language between Thai and English language.	01,31,32	12	02,10,19	03	01,10,22
4	04	Visitor, Member, and Admin can view the activities announcement page.	01,02,33, 34,35	06,10	03,12,21	04	02,12,24
5	05	Visitor, Member, and Admin can view the detail of selected activity.	02,36,37	06,10	03,12,22	05	02,12,24
6	06	Visitor, Member and Admin can view the Q&A page.	01,02,38, 39	11	06,15	15	05,16,31
7	07	Visitor, Member, and Admin can view the temple's history page.	01,02,40, 41	04	05,14	06	04,15,29
8	08	Visitor, Member, and Admin can view the gallery page.	01,02,42, 43,44	06	04,13,24	07	03,14,28
9	09	Visitor, Member, and Admin can view pictures of selected album.	02,45	06	04,13,24	08	03,14,28
10	10	Visitor, Member, and	46	06	04,13,24	09	03,14,28

		Admin can view the larger size of selected picture.					
11	11	Visitor, Member, and Admin can view the contact page.	01,02,47,48	-	07,16,27	11	06,18,34
12	12	Visitor, Member, and Admin can view the map page.	02,49,50,51,52	-	08,17,28	12	07,19,35
13	13	Visitor, Member, and Admin can redirect to the temple's Facebook fan page.	02,53	-	09,18,29	13	08,20,36
14	14	Member and Admin can login to the Wat Pra Singh web site.	01,54-61	03	11,20	02	11,23
15	15	Member and Admin can log out from the Wat Pra Singh web site.	60,62,63	-	15	10	21,37
16	16	Member can send the Dharma question.	03,64-67	14	15	14	17
17	17	Member can receive the activity news from the temple via the registered email.	68	08,10	17	16	13
18	18	Admin can add the temple's activities in the update activities page.	69-73	08,10	18,21	17	25
19	19	Admin can edit the temple's activities in the update activities page.	70,73-78	07	19,22	18	26
20	20	Admin can delete the temple's activities in the update activities page.	73,79-82	09	20,23	19	27
21	21	Admins can view unanswered Dharma	01,02,36,	11	26	26	32

		question.	83				
22	22	Admin can answer the Dharma question in the Question page.	84-88	13	26	20	32
23	23	Admin can delete the Dharma question in the Question page.	82,88-91	12	26	22	33
24	24	Admin can edit the temple's history page.	77,78,92-99	05	25	21	30