

Project Second Submission Wat Pha Thammapirom Web Application

By

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Introduction

This test plan document is a test plan description of the testing that will be tested and methodologies are used in the test plan for Wat Pha Thammapirom Web Application.

Objectives

The objectives of the test plan of Wat Pha Thammapirom Website is to establish test plan of acceptance test, integration test, unit testing and system test to make sure that bugs or the defects are discovered and fixed. The testing will cover all of the user requirements.

Result of Testing

Test record of this software testing document will divided into 2 parts

1. **Actual output** : The actual output that are performed by each test case
2. **Result of Testing** : Result of testing of each test case separated into 2 kinds are
 - Pass:** The result of actual output is the same as expected output
 - Fail:** The result of actual output is not the same as expected output

Scope of Testing

Wat Pha Thammapirom use black box technique to test each web page and white box technique for unit test, this test record cover feature following:

Test Case ID	Test Feature
TC-01	Guest can view Index page
TC-02	Guest can view Temple Background page
TC-03	Guest can view News and Activities page
TC-04	Guest can select News and Activities topic to view more details
TC-05	Guest can view Dhamma Content page
TC-06	Guest can select Dhamma content topic to view more details
TC-07	Guest can view Register page
TC-08	Guest can register to the system as member by inputting username, password, re-password and email
TC-09	Guest can view Sign-In page
TC-10	Guest can view Temple Map page
TC-11	Guest can get directions to temple from Google Maps on Temple Map page
TC-12	Guest can view Contact page
TC-13	Guest can send email to contact temple on Contact page
TC-14	Member can sign in to the system
TC-15	Member can sign out the system
TC-16	Member can view Index page
TC-17	Member can view Temple Background page
TC-18	Member can view News and Activities page
TC-19	Member can select News and Activities topic to view more details
TC-20	Member can receive News and Activities email
TC-21	Member can view Dhamma Content page.
TC-22	Member can select Dhamma Content topic to view more details
TC-23	Member can view Sign-In page
TC-24	Member can view Gallery page
TC-25	Member can select preview image on Gallery page to be viewed in full-size
TC-26	Member can view Activities Video Clips page
TC-27	Member can view select video on Activities Video Clips page to be viewed
TC-28	Member can view Internet TV page
TC-29	Member can view internet TV on Internet TV page
TC-30	Member can view Temple Map page
TC-31	Member can get directions to temple from Google Maps on Temple Map page
TC-32	Member can view Contact page

TC-33	Member can send email to contact temple on Contact page
TC-34	Member can view Dhamma Board
TC-35	Member can post Dhamma question to Dhamma Board
TC-36	Member can edit their personal information
TC-37	Admin can sign in to system
TC-38	Admin can sign out the system
TC-39	Admin can view Index managing page.
TC-40	Admin can view Temple Background managing page
TC-41	Admin can view News and Activities managing page
TC-42	Admin can view Dhamma Board managing page
TC-43	Admin can view Dhamma Content managing page
TC-44	Admin can view Admin Sign-In page
TC-45	Admin can view Gallery managing page
TC-46	Admin can view Activities Video Clips managing page
TC-47	Admin can view Internet TV page
TC-48	Admin can view Temple Map page
TC-49	Admin can view Contact managing page
TC-50	Admin can add new image to Index managing page
TC-51	Admin can delete selected image on Index managing page
TC-52	Admin can edit temple background detail on Temple Background managing page
TC-53	Admin can add recent news and activities to News and Activities managing page
TC-54	Admin can delete selected news and activities on News and Activities managing page
TC-55	Admin can edit detail of selected News and Activities topic
TC-56	Admin can reply member's question on Dhamma Board managing page
TC-57	Admin can add new content to Dhamma Content managing page
TC-58	Admin can edit detail of selected Dhamma content on Dhamma Content managing page
TC-59	Admin can delete selected Dhamma content on Dhamma content managing page
TC-60	Admin can add new image to Gallery page
TC-61	Admin can delete selected image on Gallery page
TC-62	Admin can add new video to Activities Video Clips managing page
TC-63	Admin can delete selected video on Activities Video Clips page
TC-64	Admin can edit contact detail on Contact page
TC-65	Admin can send email to member
TC-66	Admin can edit their personal information

System Test

Test Case ID	STC-01
Test Case Name	View Index page
Test Case Description	Test for check that Index page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on "Home"

Result			
Input	Expected Output	Actual Output	Result
Click on "Home" link button	Home page is shown		

Test Case ID	STC-02
Test Case Name	View Temple Background page
Test Case Description	Test for check that Temple Background page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on "Temple Background"

Result			
Input	Expected Output	Actual Output	Result
Click on "Temple Background" link button	Temple Background page is shown		

Test Case ID	STC-03
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Test Case Name	View News and Activities page
Test Case Description	Test for check that News and Activities page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on “News and Activities”

Result			
Input	Expected Output	Actual Output	Result
Click on “News and Activities” link button	News and Activities is shown		

Test Case ID	STC-04
Test Case Name	View more details in selected News and Activities topic
Test Case Description	Test for check that more details of selected News and Activities topic page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on “News and Activities” 2. Guest click on “More details”

Result			
Input	Expected Output	Actual Output	Result
Click on “More details” link button	More details of selected News and Activities is shown		

Test Case ID	STC-05
Test Case Name	View Dhamma Content page
Test Case Description	Test for check that Dhamma Content page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on “Dhamma Content”

Result			
Input	Expected Output	Actual Output	Result
Click on “Dhamma Content” link button	Dhamma Content is shown		

Test Case ID	STC-06
Test Case Name	View more details in selected Dhamma Content topic
Test Case Description	Test for check that more details of selected Dhamma Content topic page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on “Dhamma Content” 2. Guest click on “More details”

Result			
Input	Expected Output	Actual Output	Result
Click on “More details” link button	More details of selected Dhamma Content is shown		

Test Case ID	STC-07
Test Case Name	View register page
Test Case Description	Test for check that register page can be views
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on "Register"

Result			
Input	Expected Output	Actual Output	Result
Click on "Register" link button	Register page is shown		

Test Case ID	STC-08
Test Case Name	Register to be member
Test Case Description	Test for check that can be register to be member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on "Register" 2. Guest input their register information in register form 3. Guest click "Submit" button

Result			
Input	Expected Output	Actual Output	Result
Username = "member1" Password = "member1" Re-Password = "member1" Email = "chanyanuch.ch.025@gmail.com"	Sign in and show Hello,member1		

Username = "member2" Password = "member2" Re-Password = "member2" Email = "chanyanuch.ch.025@gmail.com"	Sign in and show Hello,member2		
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Test Case ID	STC-09
Test Case Name	View Sign in page
Test Case Description	Test for check that sign in page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on "Sign In"

Result			
Input	Expected Output	Actual Output	Result
Click on "Sign in" link button	Sign in page is shown		

Test Case ID	STC-10
Test Case Name	View Temple Map page
Test Case Description	Test for check that Temple Map page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	1. Guest Click on "Temple Map"

Result			
Input	Expected Output	Actual Output	Result

Click on “Temple Map” link button	Temple Map page is shown		
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Test Case ID	STC-11
Test Case Name	Get directions to temple from Google Maps
Test Case Description	Test for check that can be use Google Maps to get direction to temple
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	<ol style="list-style-type: none"> 1. Guest Click on “Temple Map” 2. Guest view Google Maps

Result			
Input	Expected Output	Actual Output	Result
View on Google Maps	Google Maps show the direction to temple		

Test Case ID	STC-12
Test Case Name	View Contact page
Test Case Description	Test for check that Contact page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	<ol style="list-style-type: none"> 1. Guest Click on “Contact”

Result			
Input	Expected Output	Actual Output	Result
Click on “Contact” link button	Contact page is shown		
Test Case ID	STC-13		
Test Case Name	Contact Temple by email		

Test Case Description	Test for check that can be send email to contact temple by using contact form
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	<ol style="list-style-type: none"> 1. Guest Click on "Contact" 2. Guest input contact information in contact form 3. Guest click on "Submit"

Result			
Input	Expected Output	Actual Output	Result
Contact Name = "Chanyanuch" Contact Email = "chanyanuch.ch.025@gmail.com" Contact Topic = "Contact Temple" Contact Detail = "I am contact you"	Email has been send to temple		
Contact Name = "Chanyanuch" Contact Email = "se552115015@vr.camt.info" Contact Topic = "Contact Temple Again" Contact Detail = "I am contact you again"	Email has been send to temple		

Test Case ID	STC-14
Test Case Name	Sign In
Test Case Description	Test for check that can be sign in to the system as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign-in
Procedure steps	<ol style="list-style-type: none"> 1. Guest Click on "Sign In" 2. Guest input username and password 3. Guest click on "Submit" button

Result			
Input	Expected Output	Actual Output	Result
User Name = "member1" Password = "member1"	Hello , member1 is shown		
User Name = "member2" Password = "member2"	Hello , member2 is shown		

Test Case ID	STC-15
Test Case Name	Sign out
Test Case Description	Test for check that member can be sign out
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	1. Click on "Sign Out"

Result			
Input	Expected Output	Actual Output	Result
member1 clicks Sign out	member1 Sign out and redirect to Index page		
member2 clicks Sign out	member2 Sign out and redirect to Index page		

Test Case ID	STC-16
Test Case Name	View Index page
Test Case Description	Test for check that Index page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	1. Sign In as a member

	2. Click on “Home”
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Result			
Input	Expected Output	Actual Output	Result
Click on “Home” link button	Home page is shown		

Test Case ID	STC-17
Test Case Name	View Temple Background page
Test Case Description	Test for check that Temple Background page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on “Temple Background”

Result			
Input	Expected Output	Actual Output	Result
Click on “Temple Background” link button	Temple Background page is shown		

Test Case ID	STC-18
Test Case Name	View News and Activities page
Test Case Description	Test for check that News and Activities page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on “News and Activities”

Result			
Input	Expected Output	Actual Output	Result
Click on “News and Activities” link button	News and Activities page is shown		

Test Case ID	STC-19
Test Case Name	View more details of selected News and Activities topic
Test Case Description	Test for check that selected News and Activities topic can be view for get more details if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on “News and Activities” 3. Click on “More details” of selected News and Activities topic

Result			
Input	Expected Output	Actual Output	Result
Click on “More details” of selected News and Activities topic	More details of selected News and Activities topic is shown		

Test Case ID	STC-20
Test Case Name	Receive Email

Test Case Description	Test for check that member can be receive email from admin
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Register to be member
Procedure steps	1. Open their email

Result			
Input	Expected Output	Actual Output	Result
Open their email	Get email from temple in their inbox		

Test Case ID	STC-21
Test Case Name	View Dhamma Content page
Test Case Description	Test for check that Dhamma Content page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	1. Sign In as a member 2. Click on "Dhamma Content"

Result			
Input	Expected Output	Actual Output	Result
Click on "Dhamma Content" link button	Dhamma Content page is shown		

Test Case ID	STC-22
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Test Case Name	View more details of selected Dhamma Content topic
Test Case Description	Test for check that the selected of Dhamma Content page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Dhamma Content" 3. Click on "More details" of selected Dhamma Content topic

Result			
Input	Expected Output	Actual Output	Result
Click on "More details" of selected Dhamma Content topic	More details of selected Dhamma Content topic is shown		

Test Case ID	STC-23
Test Case Name	View Gallery page
Test Case Description	Test for check that Gallery page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Gallery"

Result			
Input	Expected Output	Actual Output	Result

Click on “Gallery” link button	Gallery page is shown		
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Test Case ID	STC-24
Test Case Name	View selected image in full size on Gallery page
Test Case Description	Test for check that can view image in full size on Gallery page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on “Gallery” 3. Put mouse on selected image

Result			
Input	Expected Output	Actual Output	Result
Put mouse on selected image	Selected Image is shown in full size		

Test Case ID	STC-25
Test Case Name	View Activities Video Clips page
Test Case Description	Test for check that Activities Video Clips page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on “Activities Video Clips”

Result			
Input	Expected Output	Actual Output	Result
Click on "Activities Video Clips" link button	Activities Video Clips page is shown		

Test Case ID	STC-26
Test Case Name	View selected video on Activities Video Clips page
Test Case Description	Test for check that video on Activities Video Clips page can be viewed
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Activities Video Clips" 3. Click on selected video to be viewed

Result			
Input	Expected Output	Actual Output	Result
Click on selected video to be viewed	Selected video is played		

Test Case ID	STC-27
Test Case Name	View Internet TV page
Test Case Description	Test for check that Internet TV page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Internet TV"

Result			
Input	Expected Output	Actual Output	Result
Click on "Internet TV" link button	Internet TV page is shown		

Test Case ID	STC-28
Test Case Name	View Internet TV
Test Case Description	Test for check that Internet TV on Internet TV page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Internet TV" 3. Click play button

Result			
Input	Expected Output	Actual Output	Result
Click on Play button	Internet TV is played		

Test Case ID	STC-29
Test Case Name	View Temple Map page
Test Case Description	Test for check that Temple Map page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Temple Map"

Result			
Input	Expected Output	Actual Output	Result
Click on "Temple Map" link button	Temple Map page is shown		

Test Case ID	STC-30
Test Case Name	Get directions to temple from Google Maps
Test Case Description	Test for check that can be use Google Maps to get direction to temple if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Temple Map" 3. View the direction on Google Maps

Result			
Input	Expected Output	Actual Output	Result
View the direction on Google Maps	Google Maps show the direction to temple		

Test Case ID	STC-31
Test Case Name	View Contact page
Test Case Description	Test for check that Contact page can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Contact"

Result			
Input	Expected Output	Actual Output	Result
Click on "Contact" link button	Contact page is shown		

Test Case ID	STC-32
Test Case Name	Contact Temple by email
Test Case Description	Test for check that can be send email to contact temple by using contact form if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign-in as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as a member 2. Click on "Contact" 3. Input contact information in contact form 4. Click on "Submit"

Result			
Input	Expected Output	Actual Output	Result
Contact Name = "Chanyanuch" Contact Email = "chanyanuch.ch.025@gmail.com" Contact Topic = "Contact Temple" Contact Detail = "I am contact you"	Email has been send to temple		
Contact Name = "Chanyanuch" Contact Email = "se552115015@vr.camt.info" Contact Topic = "Contact Temple Again" Contact Detail = "I am contact you again"	Email has been send to temple		

Test Case ID	STC-33
Test Case Name	View Dhamma Board
Test Case Description	Test for check that Dhamma Board can be viewed if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Dhamma Board"

Result			
Input	Expected Output	Actual Output	Result
Click on "Dhamma Board" link button	Dhamma Board page is shown		

Test Case ID	STC-34
Test Case Name	Post question on Dhamma Board
Test Case Description	Test for check that can post question on Dhamma Board if sign in as a member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on "Dhamma Baord" 3. Click on "Post Question" 4. Input question 5. Click submit

Result			
Input	Expected Output	Actual Output	Result
Question = "How can I go to temple?"	Question has been send to temple		

Test Case ID	STC-35
Test Case Name	Edit Personal Detail
Test Case Description	Test for check that member can edit their personal detail
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign In as a member
Procedure steps	<ol style="list-style-type: none"> 1. Sign In as a member 2. Click on their username 3. Input new information 4. Click submit

Result			
Input	Expected Output	Actual Output	Result
Old Password = "member1" New Password = "member11" Re-New = "member11"	New password has been save		

Test Case ID	STC-36
Test Case Name	Sign in as Admin
Test Case Description	Test for check that can sign in as Admin
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No sign in
Procedure steps	<ol style="list-style-type: none"> 1. Browse for Admin sign in page 2. Input Admin username, password 3. Click submit

Result			
Input	Expected Output	Actual Output	Result
User Name = "admin" Password = "admin1234"	Index managing page is shown		

Test Case ID	STC-37
Test Case Name	Admin Sign out
Test Case Description	Test for check that Admin can sign out
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click "Sign out" button

Result			
Input	Expected Output	Actual Output	Result
Click on "Sign out" link button	Sign out and redirect to Admin Sign in page		

Test Case ID	STC-38
Test Case Name	View Index managing page
Test Case Description	Test for check that Admin can view Index managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Index managing" button

Result			
Input	Expected Output	Actual Output	Result
Click on "Index managing" link button	Index managing page is shown		

Test Case ID	STC-39
Test Case Name	View Temple Background managing page
Test Case Description	Test for check that Admin can view Temple Background managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Temple Background managing" button

Result			
Input	Expected Output	Actual Output	Result
Click on "Temple Background managing" link button	Temple Background managing page is shown		

Test Case ID	STC-40
Test Case Name	View News and Activities managing page
Test Case Description	Test for check that Admin can view News and Activities managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on “News and Activities managing” button

Result			
Input	Expected Output	Actual Output	Result
Click on “News and Activities managing” link button	News and Activities managing page is shown		

Test Case ID	STC-41
Test Case Name	View Dhamma Board managing page
Test Case Description	Test for check that Admin can view Dhamma Board managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on “Dhamma Board managing” button

Result			
Input	Expected Output	Actual Output	Result
Click on “Dhamma Board managing” link button	Dhamma Board managing page is shown		

Test Case ID	STC-42
Test Case Name	View Dhamma Content managing page
Test Case Description	Test for check that Admin can view Dhamma Content managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Dhamma Content managing" button

Result			
Input	Expected Output	Actual Output	Result
Click on "Dhamma Content managing" link button	Dhamma Content managing page is shown		

Test Case ID	STC-43
Test Case Name	View Admin Sign in page
Test Case Description	Test for check that Admin can view Admin Sign in page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	No Sign in
Procedure steps	<ol style="list-style-type: none"> 1. Browse for Admin Sign in page

Result			
Input	Expected Output	Actual Output	Result
Browse for "http://pathammapirom.azurewebsites.net/Admin/Login"	Admin sign in page is shown		

Test Case ID	STC-44
Test Case Name	View Gallery managing page
Test Case Description	Test for check that Admin can view Gallery managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on “Gallery managing” button

Result			
Input	Expected Output	Actual Output	Result
Click on “Gallery managing” link button	Gallery managing page is shown		

Test Case ID	STC-45
Test Case Name	View Activities Video Clips managing page
Test Case Description	Test for check that Admin can view Activities Video Clips managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on “Activities Video Clips managing” button

Result			
Input	Expected Output	Actual Output	Result
Click on “Activities Video Clips managing” link button	Activities Video Clips managing page is shown		

Test Case ID	STC-46
Test Case Name	Add new image on Index managing page
Test Case Description	Test for check that Admin can add new image to Image Presentation in Index page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Index managing" button 3. Click "Add new image to slide" 4. Input image link 5. Click submit

Result			
Input	Expected Output	Actual Output	Result
Image link = "http://i.imgur.com/WzuNluz.jpg"	New image has been added to image slide and show		

Test Case ID	STC-47
Test Case Name	Delete selected image on Index managing page
Test Case Description	Test for check that Admin can delete selected image on Image Presentation in Index page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Index managing" button 3. Select image to be deleted 4. Click delete

Result			
Input	Expected Output	Actual Output	Result
Click “delete” on selected image	Selected image has been deleted		

Test Case ID	STC-48
Test Case Name	Edit Temple Background details
Test Case Description	Test for check that Admin edit Temple Background details in Temple Background managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on “Temple Background managing” button 3. Click “Edit” 4. Edit Temple Background details 5. Click submit

Result			
Input	Expected Output	Actual Output	Result
Edit Temple Background details	Temple Background details has been change		

Test Case ID	STC-49
Test Case Name	Add recent news and activities
Test Case Description	Test for check that Admin can add recent news and activities in News and Activities managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin

	<ol style="list-style-type: none"> Click on “News and Activities managing” button Click “Add News and Activities” Input News and Activities information Click submit
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Result			
Input	Expected Output	Actual Output	Result
News and Activities Name = “งานแห่พระยงกขาว” News and Activities details = “เป็นงานที่จัดขึ้นเป็นประจำทุกปี” News and Activities Date = “30/05/2558” News and Activities Time = “10.00-14.00” News and Activities Place = “วัด ป่าธรรมภิรมย์”	Recent News and Activities has been added		

Test Case ID	STC-50
Test Case Name	Delete selected news and activities
Test Case Description	Test for check that Admin can delete selected news and activities in News and Activities managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> Sign in as Admin Click on “News and Activities managing” button Selected news and activities topic to be deleted Click “delete”

Result			
Input	Expected Output	Actual Output	Result
Click “delete” on selected News and Activities topic	Selected News and Activities topic has been deleted		

Test Case ID	STC-51
Test Case Name	Edit detail of selected news and activities topic
Test Case Description	Test for check that Admin can edit details of selected news and activities topic in News and Activities managing page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on “News and Activities managing” button 3. Selected news and activities topic to be edited 4. Edit details of selected news and activities topic 5. Click submit

Result			
Input	Expected Output	Actual Output	Result
Edit details of selected news and activities topic	Details of selected news and activities topic has been edited		

Test Case ID	STC-52
Test Case Name	Reply member's question
Test Case Description	Test for check that Admin can reply member's question that member post on Dhamma Board
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Dhamma Baord managing" button 3. Select question to answer 4. Click "Answer" 5. Input Answer 6. Click submit

Result			
Input	Expected Output	Actual Output	Result
Answer = "Go to Temple Map"	The answer is show in Dhamma Board page		

Test Case ID	STC-53
Test Case Name	Add new image to Gallery page
Test Case Description	Test for check that Admin can add new image to Gallery page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Gallery managing" button 3. Click "Add new image" 4. Input image link 5. Click submit

Result			
Input	Expected Output	Actual Output	Result
Image link = "http://i.imgur.com/WzuNluz.jpg"	Image has been added to Gallery		

Test Case ID	STC-54
Test Case Name	Delete selected image in Gallery page
Test Case Description	Test for check that Admin can delete selected image in Gallery page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Gallery managing" button 3. Select image to delete 4. Click "delete"

Result			
Input	Expected Output	Actual Output	Result
Click "delete" on selected image	Selected image has been deleted		

Test Case ID	STC-55
Test Case Name	Add new video to Activities Video Clips page
Test Case Description	Test for check that Admin can add new video to Activities Video Clips page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	<ol style="list-style-type: none"> 1. Sign in as Admin 2. Click on "Activities Video Clips managing" button 3. Click "Add New Video"

	4. Input the video name and video embed link 5. Click submit
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Result			
Input	Expected Output	Actual Output	Result
Video Name = “พิธีทอดกฐินสามัคคี” Video Embed link = “https://www.youtube.com/embed/watch?v=o953FlKnNW0”	Video has been added		

Test Case ID	STC-62
Test Case Name	Delete selected video in Activities Video Clips page
Test Case Description	Test for check that Admin can delete selected video in Activities Video Clips page
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	Sign in as Admin
Procedure steps	1. Sign in as Admin 2. Click on “Activities Video Clips managing” button 3. Select video to delete 4. Click “delete”

Result			
Input	Expected Output	Actual Output	Result
Click on “Index managing” link button	Index managing page is shown		

Test Case ID	STC-57
Test Case Name	Send email to member
Test Case Description	Test for check that Admin can send email to member
Test Responsibility	Tester
Tested by	Chanyanuch Chaithongsri
Test Date	18/05/2015
Prerequisites	-
Procedure steps	<ol style="list-style-type: none"> 1. Open temple email address 2. Send email to member 3. Click submit

Result			
Input	Expected Output	Actual Output	Result
Send email to member	Email has been send to member		

Non Functional Testing

Performance				
Response Time	Criteria	Result	Accepted	Rejected
	Application loading within 5 second.			
	Refresh Time within 5 second.			
Process Time	Criteria	Result	Accepted	Rejected
	Update information loading within 5 second.			

Capacity				
Storage	Criteria	Result	Accepted	Rejected
	At least 1 Gb be able to store			

Recover				
Recovery Process	Criteria	Result	Accepted	Rejected
	Recovery refresh time within 10 second			

Compatibility				
Compatibility with shared application	Criteria	Result	Accepted	Rejected
	Google Maps can be called to use			
Compatibility on different operating systems	Criteria	Result	Accepted	Rejected
	Able to be running on Windows and Mac operating system			

Usability				
Look and feel standards	Criteria	Result	Accepted	Rejected
	Website layout and flow be able to understand within 3 minutes			
	Website color appropriate with the concept of website			
	Website user interface is feel easy to use it			
Internationalization / localization requirement	Criteria	Result	Accepted	Rejected
	Thai people can be understand in every page of website			

User Acceptance Test

If average score is more than 3.5 means that user accept that page.

Index Page

Criteria	1	2	3	4	5	Remarks
1. Index page shall work properly as defined requirement specification.						
2. Image presentation show images that it was set to be shown.						

Comment	
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Temple Background Page

Criteria	1	2	3	4	5	Remarks
1. Temple Background page shall work properly as defined requirement specification.						
2. Show temple background detail.						

Comment	
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News and Activities Page

Criteria	1	2	3	4	5	Remarks
1. News and Activities page shall work properly as defined requirement specification.						
2. Show more detail of selected News and Activities topic.						

Comment	
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Dhamma Content Page

Criteria	1	2	3	4	5	Remarks
1. Dhamma Content page shall work properly as defined requirement specification.						
2. Show more detail of selected Dhamma content topic.						

Comment	
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Temple Map Page

Criteria	1	2	3	4	5	Remarks
1. Temple Map page shall work properly as defined requirement specification.						
2. Google Maps on Temple Map shall get the directions to Temple						

Comment	
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Contact Page

Criteria	1	2	3	4	5	Remarks
1. Contact page shall work properly as defined requirement specification.						
2. Show contact detail to contact Temple.						
3. Send email to contact temple by input information into Contact Form on Contact page.						

Comment	
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Register Page

Criteria	1	2	3	4	5	Remarks
1. Register page shall work properly as defined requirement specification.						
2. Provide Register Form to register.						
3. Register to be Member.						

Comment	
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Sign In Page

Criteria	1	2	3	4	5	Remarks
1. Sign In page shall work properly as defined requirement specification.						
2. Provide Sign In Form to sign in.						
3. Sign In to the system.						
4. Sign out.						

Comment	
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Gallery Page

Criteria	1	2	3	4	5	Remarks
1. Gallery page shall work properly as defined requirement specification.						
2. Image on Gallery page can viewed in full-size.						

Comment	
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Activities Video Clips Page

Criteria	1	2	3	4	5	Remarks
1. Activities Video Clips page shall work properly as defined requirement specification.						

2. Video on Activities Video Clips page can played.						
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Comment	
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Dhamma Board

Criteria	1	2	3	4	5	Remarks
1. Dhamma Board shall work properly as defined requirement specification.						
2. Provide Question form.						
3. Post question on Dhamma Board.						

Comment	
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Internet TV Page

** Have only the content layout to be added in the future

Overview

Criteria	1	2	3	4	5	Remarks
1. User Interface Design of web application meet user needs.						
2. Web application easy to understand						
3. The function of web application is cover all requirement.						

Comment	
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Only Admin Part

Index Managing Page

Criteria	1	2	3	4	5	Remarks
1. Index managing page shall work properly as defined requirement specification.						
2. Adding new image to Image Presentation on Index page.						
3. Deleting selected image in Image Presentation on Index page.						

Comment	
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Temple Background Managing Page

Criteria	1	2	3	4	5	Remarks
1. Temple Background managing page shall work properly as defined requirement specification.						
2. Editing Temple Background Detail.						

Comment	
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News and Activities Managing Page

Criteria	1	2	3	4	5	Remarks
1. News and Activities managing page shall work properly as defined requirement specification.						
2. Adding recent news and activities on News and Activities managing page.						
3. Deleting selected news and activities on News and Activities managing page.						
4. Editing detail of selected news and activities topic.						

Comment	
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Dhamma Content Managing Page

Criteria	1	2	3	4	5	Remarks
1. Dhamma Content managing page shall work properly as defined requirement specification.						
2. Adding new content on Dhamma Content managing page.						
3. Editing selected Dhamma content on Dhamma Content managing page.						
4. Deleting selected Dhamma Content on Dhamma Content managing page.						

Comment	
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Temple Map Page

Criteria	1	2	3	4	5	Remarks
1. Dhamma Content page shall work properly as defined requirement specification.						
2. Show more detail of selected Dhamma content topic.						

Comment	
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Admin Sign in Page

Criteria	1	2	3	4	5	Remarks
1. Admin Sign In page shall work properly as defined requirement specification.						
2. Admin can Sign In.						
3. Admin can Sign out.						

Comment	
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Gallery Managing Page

Criteria	1	2	3	4	5	Remarks
1. Gallery managing page shall work properly as defined requirement specification.						
2. Adding new image to Gallery page.						
3. Deleting selected image on Gallery page.						

Comment	
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Activities Video Clips Managing Page

Criteria	1	2	3	4	5	Remarks
1. Activities Video Clips Managing page shall work properly as defined requirement specification.						
2. Adding new video on Activities Video Clips managing page.						
3. Deleting selected video on Activities Video Clips page.						

Comment	
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Dhamma Board Managing Page

Criteria	1	2	3	4	5	Remarks
1. Dhamma Board managing page shall work properly as defined requirement specification.						
2. Reply member's question on Dhamma Board managing page.						

Comment	
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Contact Managing Page

Criteria	1	2	3	4	5	Remarks
1. Contact managing page shall work properly as defined requirement specification.						
2. Editing Contact detail on Contact page.						
3. Sending email to member.						

Comment	
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Admin Part Overview

Criteria	1	2	3	4	5	Remarks
1. User Interface Design of Admin Management part meet user needs.						
2. Admin management part easy to use and understand.						
3. The function of Admin management part is cover all requirement.						

Comment	
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INTEGRATION TEST

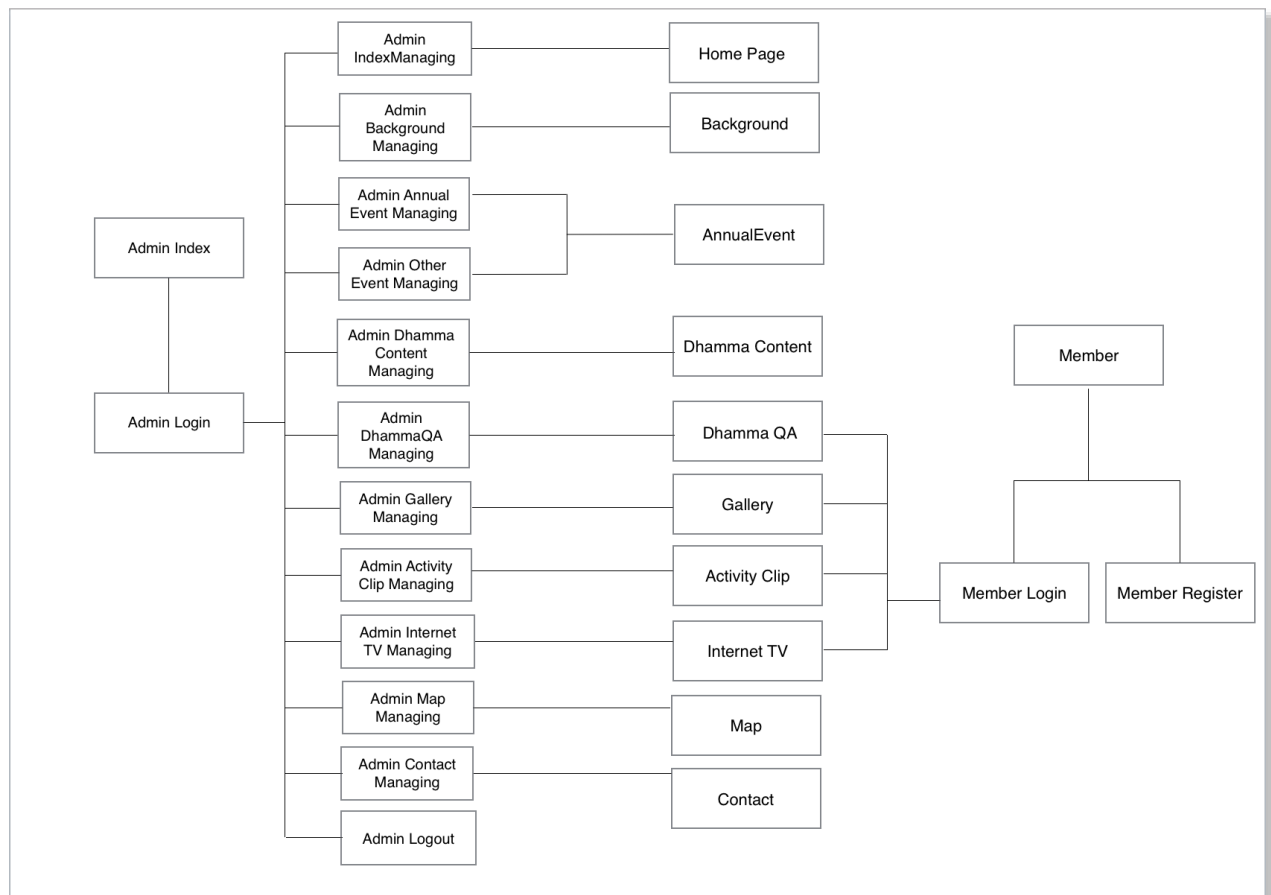
Related Classes

ID	Class	Class
IT-01	Admin Index	Admin Login
IT-02	Admin Login	Admin IndexManaging
IT-03	Admin Login	Admin Background Managing
IT-04	Admin Login	Admin AnnualEvent Managing
IT-05	Admin Login	Admin OtherEvent Managing
IT-06	Admin Login	Admin DhammaQA Managing
IT-07	Admin Login	Admin Gallery Managing
IT-08	Admin Login	Admin ActivityClip Managing
IT-09	Admin Login	Admin Logout
IT-10	Admin IndexManaging	Home Pgae
IT-11	Admin Background Managing	Background
IT-12	Admin AnnualEvent Managing	Annual Event
IT-13	Admin OtherEvent Managing	Annual Event
IT-14	Admin DhammaQA Managing	Dhamma QA
IT-15	Admin Gallery Managing	Gallery
IT-16	Admin ActivityClip Managing	Activity Clip
IT-17	Admin InternetTV Managing	Internet TV
IT-18	Admin Map Managing	Map
IT-19	Admin Contact Managing	Contact
IT-20	Member	Member Register
IT-21	Member	Member Login
IT-22	Member Login	Dhamma QA

IT-23	Member Login	Gallery
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ID	Class	Class
IT-24	Member Login	Activity Clip
IT-25	Member Login	Internet TV

[INTEGRATION TEST]



Architecture

[INTEGRATION TEST]

Integration Test IT-01 (Admin Index, Admin Login)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Username : admin		
2	Password : admin1234		

Integration Test IT-02 (Admin Login, Admin Index Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Insert new image		Admin Login
2	Delete image		Admin Login

Integration Test IT-03 (Admin Login, Admin Background Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Insert new background		Admin Login
2	Edit background		Admin Login

Integration Test IT-04 (Admin Login, Admin AnnualEvent Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Insert new annual event		Admin Login
2	Edit annual event		Admin Login
3	Delete annual event		Admin Login

Integration Test IT-05 (Admin Login, Admin OtherEvent Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
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1	Insert new other event		Admin Login
2	Edit other event		Admin Login
3	Delete other event		Admin Login

Integration Test IT-06 (Admin Login, Admin DhammaQA Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Answer the question		Admin Login
2	Delete the question		Admin Login

Integration Test IT-07 (Admin Login, Admin Gallery Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Insert image		Admin Login
2	Delete image		Admin Login

Integration Test IT-08 (Admin Login, Admin ActivityClip Managing)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
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1	Insert activity clip		Admin Login
2	Delete activity clip		Admin Login

Integration Test IT-09 (Admin Login, Admin Logout)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Click “ออกจากระบบ” button		Admin Login

Integration Test IT-10 (Admin Index Managing, Home Page)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing home page		Admin Login
2	Image slide show		
3	Click to other page		

Integration Test IT-11 (Admin Background Managing, Background)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing background page		Admin Login
2	Showing background detail		
3	Click to other page		

Integration Test IT-12 (Admin AnnualEvent Managing, Annual Event)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing annual event page		Admin Login
2	Showing each annual event		
3	Click to showing annual event detail		
4	Click to other page		

Integration Test IT-13 (Admin Other Managing, Annual Event)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing other event page		Admin Login

2	Showing each other event		
3	Click to showing other event detail		
4	Click to other page		

Integration Test IT-14 (Admin DhammaQA Managing, Dhamma QA)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing dhamma qa page		Admin Login
2	Showing dharma question and answer		Member Login
3	Click to asking dhamma question		Member Login
4	Fill the question		Member Login
5	Send the question		Member Login
6	Click to other page		

Integration Test IT-15 (Admin Gallery Managing, Gallery)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing gallery page		Admin Login

2	Showing images in gallery		Member Login
3	Showing the bigger size of image that padding by mouse icon		Member Login
4	Click to other page		

Integration Test IT-16 (Admin ActivityClip Managing, Activity Clip)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing activity clip page		Admin Login
2	Showing activity clips		Member Login
3	Play activity clip		Member Login
4	Click to other page		

Integration Test IT-17 (Admin InternetTV Managing, Internet TV)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Managing internet TV page		Admin Login
2	Showing internet TV page		Member Login
3	Click to other page		

Integration Test IT-18 (Admin Map Managing, Map)**Test Date** 17 May 2015**Description**

ID	Input Specification	Output Specification	Environment Needs
1	Managing map page		Admin Login
2	Showing map pin to Wat Pa Thammapirom		
3	Click to other page		

Integration Test IT-19 (Admin Contact Managing, Contact)**Test Date** 17 May 2015**Description**

ID	Input Specification	Output Specification	Environment Needs
1	Managing contact page		Admin Login

2	Showing contact detail to Wat Pa Thammapirom		
3	Fill contact information		
4	Send contact information		
5	Click to other page		

Integration Test IT-20 (Member, Member Register)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Showing dropdown list, what member can do		
2	Click “สมัครสมาชิก”button		
3	Fill member information - username - password - confirm password - email		
4	Click register button		
5	Click to other page		

Integration Test IT-21 (Member, Member Login)**Test Date** 17 May 2015**Description**

ID	Input Specification	Output Specification	Environment Needs
1	Showing dropdown list, what member can do		
2	Click “ลงชื่อเข้าใช้” button		
3	Fill member information - username - password		
4	Click “ลงชื่อเข้าใช้” button		
5	Click to other page		

Integration Test IT-22 (Member Login, Dhamma QA)**Test Date** 17 May 2015**Description**

ID	Input Specification	Output Specification	Environment Needs
1	Showing dropdown list, what member can do		Member Login
2	Click “ถามตอบธรรมะ” button		Member Login
3	Showing questions and answers		Member Login
4	Click “คลิกที่นี่เพื่อตั้งคำถาม” link		Member Login
5	Fill the question		Member Login
6	Send the question		Member Login

5	Click to other page		
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Integration Test IT-23 (Member Login, Gallery)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Showing dropdown list, what member can do		Member Login
2	Click “แกลลอรี่” button		Member Login
3	Showing images		Member Login
4	Padding to bigger size image		Member Login
5	Click to other page		

Integration Test IT-24 (Member Login, Activity Clip)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Showing dropdown list, what member can do		Member Login
2	Click “วิดีโอกิจกรรม” button		Member Login

3	Showing activity clips		Member Login
4	Click to other page		

Integration Test IT-25 (Member Login,Internet TV)

Test Date 17 May 2015

Description

ID	Input Specification	Output Specification	Environment Needs
1	Showing dropdown list, what member can do		Member Login
2	Click “อินเทอร์เน็ตทีวี” button		Member Login
3	Showing internet TV page		Member Login
4	Click to other page		

UNIT TEST

Table of Unit Test

Unit Test	Test Method
UT-01	Class AccountController : ActionResult Login(string returnUrl)
UT-02	Class AccountController : ActionResult Login(LoginModel model, string returnUrl)
UT-03	Class AccountController : ActionResult LogOff()
UT-04	Class AccountController : ActionResult Register()
UT-05	Class AccountController : ActionResult Register(RegisterModel model)
UT-06	Class AccountController : ActionResult Disassociate(string provider, string providerUserId)
UT-07	Class AccountController : ActionResult Manage(ManageMessageId? message)
UT-08	Class AccountController : ActionResult Manage(LocalPasswordModel model)
UT-09	Class AccountController : ActionResult ExternalLogin(string provider, string returnUrl)
UT-10	Class AccountController : ActionResult ExternalLoginCallback(string returnUrl)
UT-11	Class AccountController : ActionResult ExternalLoginConfirmation(RegisterExternalLoginModel model, string returnUrl)
UT-12	Class AccountController : ActionResult ExternalLoginFailure()
UT-13	Class AccountController : ActionResult ExternalLoginsList(string returnUrl)
UT-14	Class AccountController : ActionResult RemoveExternalLogins()
UT-15	Class AccountController : ActionResult Redirect(string returnUrl)
UT-16	Class AccountController : enum ManageMessageID
UT-17	Class AccountController : internal ExternalLoginResult : ActionResult ExternalLoginResult(string provider, string returnUrl), Provider {get; private set;}, ReturnUrl {get; private set;}, override void ExecuteResult(ControllerContext context)
UT-18	Class AccountController : ErrorCodeToString(MembershipCreateStatus createStatus)
UT-19	Class AdminController : ActionResult Login(string returnUrl)
UT-20	Class AdminController : ActionResult Login(AdminAccount model,string returnUrl)
UT-21	Class AdminController : ActionResult Logout()
UT-22	Class AdminController : ViewResult Index()

Unit Test	Test Method
UT-23	Class AdminController : ViewResult IndexManaging()
UT-24	Class AdminController : ViewResult AddWelcomelImage()
UT-25	Class AdminController : ViewResult AddGalleryImage()
UT-26	Class AdminController : ActionResult DeleteWelcomelImage(int ImageID)
UT-27	Class AdminController : ViewResult GalleryManaging()
UT-28	Class AdminController : ViewResult EditBackgroundInfo(int backgroundId)
UT-29	Class AdminController : ViewResult BackgroundManaging()
UT-30	Class AdminController : ViewResult AddActivityClip()
UT-31	Class AdminController : ViewResult AddAnnualEvent()
UT-32	Class AdminController : ViewResult AddOtherEvent()
UT-33	Class AdminController : ViewResult ReplyDhammaQA()
UT-34	Class AdminController : ViewResult ActivityClipManaging()
UT-35	Class AdminController : ViewResult DhammaQAManaging()
UT-36	Class AdminController : ViewResult AnnualEventManageraging()
UT-37	Class AdminController : ViewResult OtherEventManageraging()
UT-38	Class AdminController : ActionResult DeleteGalleryImage(int ImageID)
UT-39	Class AdminController : ActionResult DeleteActivityClip(int clipID)
UT-40	Class AdminController : ActionResult DeleteDhammaQA(int QAID)
UT-41	Class AdminController : ActionResult DeleteAnnualEvent(int EventID)
UT-42	Class AdminController : ActionResult DeleteOtherEvent(int EventID)
UT-43	Class AdminController : ActionResult IndexManaging(WelcomelImage welcomelImage, HttpPostedFileBase image)
UT-44	Class AdminController : ActionResult Index(GalleryImage galleryImage, HttpPostedFileBase image)
UT-45	Class AdminController : ActionResult EditBackground(Background background)
UT-46	Class AdminController : ActionResult AddAnnualEvent(AnnualEvent annualEvent)
UT-47	Class AdminController : ActionResult AddOtherEvent(OtherEvent otherEvent)
UT-48	Class AdminController : ActionResult AddActivityClip(ActivityClip activityClip)
UT-49	Class AdminController : ActionResult ReplyDhammaQuestion(DhammaQA dhammaQA)

Unit Test	Test Method
UT-50	Class HomeController : FileContentResult GetWelcomelImage(int imageId)
UT-51	Class HomeController : FileContentResult GetGalleryImage(int imageId)
UT-52	Class HomeController : ActionResult Index()
UT-53	Class HomeController : ActionResult Background()
UT-54	Class HomeController : ActionResult AnnualEvent()
UT-55	Class HomeController : ActionResult AnnualEventDetail(int aEventID)
UT-56	Class HomeController : ActionResult DhammaContent()
UT-57	Class HomeController : ActionResult DhammaQA()
UT-58	Class HomeController : ViewResult SendDhammaQ()
UT-59	Class HomeController : ActionResult SendDhammaQ(DhammaQA dhammaQA)
UT-60	Class HomeController : ActionResult Gallery()
UT-61	Class HomeController : ActionResult ActivityClip()
UT-62	Class HomeController : ActionResult InternetTV()
UT-63	Class HomeController : ActionResult Map()
UT-64	Class HomeController : ActionResult Contact()
UT-65	Class HomeController : ActionResult Contact(Contact _objModelMail)

UNIT TEST

UT-01 Class AccountController : ActionResult Login(string returnUrl)

Test Date 16 May 2015

Description Test for view the Login page

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.ReturnUrl = returnUrl return View();		

UT-02 Class AccountController : ActionResult Login(LoginModel model, string returnUrl)

Test Date 16 May 2015

Description Test for checking login username and password

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>if (ModelState.IsValid && WebSecurity.Login(model.UserName, model.Password, persistCookie: model.RememberMe)) { return RedirectToLocal(return Url); } // If we got this far, something failed, redisplay form ModelState.AddModelError("", "The user name or password provided is incorrect."); return View(model);</pre>		

UT-03 Class AccountController : ActionResult LogOff()

Test Date 16 May 2015

Description Test for Log off

ID	Expected Result	Actual Result	Pass/Fail
1	WebSecurity.Logout(); return RedirectToAction("Index", "Home");		

UT-04 Class AccountController : ActionResult Register()

Test Date 16 May 2015

Description Test for Register view

ID	Expected Result	Actual Result	Pass/Fail
1	return View();		

UT-05 Class AccountController : ActionResult Register(RegisterModel model)

Test Date 16 May 2015

Description Test for Model Register view

UT-06 Class AccountController : ActionResult Disassociate(string provider, string providerUserId)

Test Date 16 May 2015

Description Test for redirect to home page of member

ID	Expected Result	Actual Result	Pass/Fail
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ID	Expected Result	Actual Result	Pass/Fail
1	<pre>string ownerAccount = OAuthWebSecurity.GetUse rName(provider, providerUserId); ManageMessageId? message = null; if (ownerAccount == User.Identity.Name){ using (var scope = new TransactionScope(Transacti onScopeOption.Required, new TransactionOptions { IsolationLevel = IsolationLevel.Serializable })) { bool hasLocalAccount = OAuthWebSecurity.HasLoc alAccount(WebSecurity.Get UserId(User.Identity.Name)); if (hasLocalAccount OAuthWebSecurity.GetAcc ountsFromUserName(User. Identity.Name).Count > 1){ OAuthWebSecurity.DeleteA ccount(provider, providerUserId); scope.Complete(); message = ManageMessageId.Remove LoginSuccess; }}} return RedirectToAction("Manage ", new { Message = message });}</pre>		

1	<pre>if (ModelState.IsValid) { try { WebSecurity.CreateUserAndAccount(model.UserName, model.Password); WebSecurity.Login(model.UserName, model.Password); return RedirectToAction("Index", "Home"); } catch (MembershipCreateUserException e) { ModelState.AddModelError("", ErrorCodeToString(e.StatusCode)); } } return View(model);</pre>	
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UT-07 Class AccountController : ActionResult Manage(ManageMessageId? message)

Test Date 16 May 2015

Description Test for showing the message

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>ViewBag.StatusMessage = message == ManageMessageId.ChangePasswordSuccess ? "Your password has been changed." : message == ManageMessageId.SetPasswordSuccess ? "Your password has been set." : message == ManageMessageId.RemoveLoginSuccess ? "The external login was removed." : ""; ViewBag.HasLocalPassword = OAuthWebSecurity.HasLocalAccount(WebSecurity.GetUserId(User.Identity.Name)); ViewBag.ReturnUrl = Url.Action("Manage"); return View();</pre>		

UT-08 Class AccountController : ActionResult Manage(LocalPasswordModel model)

Test Date 16 May 2015

Description Test for verify password

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> bool hasLocalAccount = OAuthWebSecurity.HasLocal Account(WebSecurity.GetUse rId(User.Identity.Name)); ViewBag.HasLocalPassword = hasLocalAccount; ViewBag.ReturnUrl = Url.Action("Manage"); if (hasLocalAccount){ if (ModelState.IsValid){ bool changePasswordSucceeded; try{ changePasswordSucceeded = WebSecurity.ChangePasswor d(User.Identity.Name, model.OldPassword, model.NewPassword); } catch (Exception e) { changePasswordSucceeded = false; } if (changePasswordSucceeded) { return RedirectToAction("Manage", new { Message = ManageMessageId.ChangePas swordSuccess });} else{ ModelState.AddModelError(" ", "The current password is incorrect or the new password is invalid.");}}} else{ ModelState state = ModelState["OldPassword"]; if (state != null) {state.Errors.Clear(); } if (ModelState.IsValid) { try { WebSecurity.CreateAccount(User.Identity.Name, model.NewPassword); return RedirectToAction("Manage", new { Message = ManageMessageId.SetPasswo rdSuccess });} catch (Exception e){ModelState.AddModelErro r("", e); return View(model); </pre>		
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UT-09 Class AccountController : ActionResult ExternalLogin(string provider, string returnUrl)

Test Date 16 May 2015

Description Test for external login

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>return new ExternalLoginResult(pr ovider, Url.Action("ExternalLo ginCallback", new { ReturnUrl = returnUrl }));</pre>		

UT-10 Class AccountController : ActionResult ExternalLoginCallback(string returnUrl)

Test Date 16 May 2015

Description Test for external login

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> AuthenticationResult result = OAuthWebSecurity.VerifyAut hentication(Url.Action("Exter nalLoginCallback", new { ReturnUrl = returnUrl })); if (!result.IsSuccessful){ return RedirectToAction("ExternalL oginFailure");}if (OAuthWebSecurity.Login(re sult.Provider, result.ProviderUserId, createPersistentCookie: false)){ return RedirectToLocal(returnUrl);} if (User.Identity.IsAuthenticate d){ OAuthWebSecurity.CreateOr UpdateAccount(result.Provid er, result.ProviderUserId, User.Identity.Name); return RedirectToLocal(returnUrl);} else{ string loginData = OAuthWebSecurity.SerializeP roviderUserId(result.Provide r, result.ProviderUserId); ViewBag.ProviderDisplayNa me = OAuthWebSecurity.GetOAuth ClientData(result.Provider).D isplayName; ViewBag.ReturnUrl = returnUrl; return View("ExternalLoginConfirm ation", new RegisterExternalLoginModel { UserName = result.UserName, ExternalLoginData = loginData }); </pre>		
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UT-11 Class AccountController : ActionResult ExternalLoginConfirmation(RegisterExternalLoginModel model, string returnUrl)

Test Date 16 May 2015

Description Test for confirm register of new member

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre>string provider = null; string providerUserId = null; if (User.Identity.IsAuthenticated !OAuthWebSecurity.TryDeserializeProviderUserId(model.ExternalLoginData, out provider, out providerUserId)) { return RedirectToAction("Manage"); } if (ModelState.IsValid) { using (UsersContext db = new UsersContext()) { UserProfile user = db.UserProfiles.FirstOrDefault(u => u.UserName.ToLower() == model.UserName.ToLower()) ; if (user == null) { db.UserProfiles.Add(new UserProfile { UserName = model.UserName }); db.SaveChanges(); OAuthWebSecurity.CreateOr UpdateAccount(provider, providerUserId, model.UserName); OAuthWebSecurity.Login(pro vider, providerUserId, createPersistentCookie: false); return RedirectToLocal(returnUrl); } else{ ModelState.AddModelError(" UserName", "User name already exists. Please enter a different user name."); }} ViewBag.ProviderDisplayNa me = OAuthWebSecurity.GetOAuth ClientData(provider).Display Name; ViewBag.ReturnUrl = returnUrl; return View(model);</pre>		
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UT-12 Class AccountController : ActionResult ExternalLoginFailure()

Test Date 16 May 2015

Description Test for provide failure page if cannot login

ID	Expected Result	Actual Result	Pass/Fail
1	return View();		

UT-13 Class AccountController : ActionResult ExternalLoginsList(string returnUrl)

Test Date 16 May 2015

Description Test for show list of external login

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.ReturnUrl = returnUrl; return PartialView("_ExternalLoginsListPartial", OAuthWebSecurity.RegisteredClientData);		

UT-14 Class AccountController : ActionResult RemoveExternalLogins()**Test Date** 16 May 2015**Description** Test for remove external login

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>ICollection<OAuthAccount> accounts = OAuthWebSecurity.GetAccountsFromUserName(User.Identity.Name); List<ExternalLogin> externalLogins = new List<ExternalLogin>(); foreach (OAuthAccount account in accounts){ AuthenticationClientData clientData = OAuthWebSecurity.GetOAuthClientData(account.Provider); externalLogins.Add(new ExternalLogin { Provider = account.Provider, ProviderDisplayName = clientData.DisplayName, ProviderUserId = account.ProviderUserId,}) ; } ViewBag.ShowRemoveButton = externalLogins.Count > 1 OAuthWebSecurity.HasLocalAccount(WebSecurity.GetUserId(User.Identity.Name)); return PartialView("_RemoveExt</pre>		

	<pre> ernalLoginsPartial", externalLogins); </pre>		
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UT-15 Class AccountController : ActionResult RedirectToLocal(string returnUrl)

Test Date 16 May 2015

Description Test for redirect to Index page and home page

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> if (Url.IsLocalUrl(returnU rl)) { return Redirect(returnUrl); } else { return RedirectToAction("Inde x", "Home"); } </pre>		

UT-16 Class AccountController : enum ManageMessageID**Test Date** 16 May 2015**Description** Test for manage message ID

ID	Expected Result	Actual Result	Pass/Fail
1	ChangePasswordSuccess, SetPasswordSuccess, RemoveLoginSuccess,		

UT-17 Class AccountController : internal ExternalLoginResult : ActionResult

```
ExternalLoginResult(string provider, string returnUrl),  
Provider {get; private set;}, ReturnUrl {get; private set;},  
override void ExecuteResult(ControllerContext context)
```

Test Date 16 May 2015

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>public ExternalLoginResult(string provider, string returnUrl) { Provider = provider; ReturnUrl = returnUrl; } public string Provider { get; private set; } public string ReturnUrl { get; private set; } public override void ExecuteResult(ControllerCon text context) { OAuthWebSecurity.RequestA uthentication(Provider, ReturnUrl);}</pre>		

Description Test for result of external login

UT-18 Class AccountController : ErrorCodeToString(MembershipCreateStatus createStatus)

Test Date 16 May 2015

Description Test for status of membership

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> switch (createStatus) { case MembershipCreateStatus.DuplicateUserName: return "User name already exists. Please enter a different user name."; case MembershipCreateStatus.DuplicateEmail: return "A user name for that e-mail address already exists. Please enter a different e-mail address."; case MembershipCreateStatus.InvalidPassword: return "The password provided is invalid. Please enter a valid password value."; case MembershipCreateStatus.InvalidEmail: return "The e-mail address provided is invalid. Please check the value and try again."; case MembershipCreateStatus.InvalidAnswer: return "The password retrieval answer provided is invalid. Please check the value and try again."; case MembershipCreateStatus.InvalidQuestion: return "The password retrieval question provided is invalid. Please check the value and try again."; case MembershipCreateStatus.InvalidUserName: return "The user name provided is invalid. Please check the value and try again."; case MembershipCreateStatus.ProviderError: return "The authentication provider returned an error. Please verify your entry and try again. If the problem persists, please contact your system administrator."; case MembershipCreateStatus.UserRejected: return "The user creation request has been canceled. Please verify your entry and try again. If the </pre>	
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	<p>problem persists, please contact your system administrator.”; default: return "An unknown error occurred. Please verify your entry and try again. If the problem persists, please contact your system administrator.”;</p>		
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UT-19 Class AdminController : ActionResult Login(string returnUrl)

Test Date 16 May 2015

Description Test for Login page of administer

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.ReturnUrl = returnUrl; return View();		

UT-20 Class AdminController : ActionResult Login(AdminAccount model,string returnUrl)

Test Date 16 May 2015

Description Test for Login of administer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>if (model.UserName == "admin" && model.Password == "admin1234") { Session["LoginStatus"] = "True"; return RedirectToAction("Index Managing"); } else { System.Windows.Forms.M essageBox.Show("ชื่อผู้ใ้หรือ รหัสผ่านไม่ถูกต้อง กรุณากรอกใหม่อีก ครั้ง"); return View(); }</pre>		

UT-21 Class AdminController : ActionResult Logout()

Test Date 16 May 2015

Description Test for Logout of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	Session.Remove("LoginSta tus");		

	return RedirectToAction("Index"); }		
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UT-22 Class AdminController : ViewResult Index()

Test Date 16 May 2015

Description Test for show index page of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	return View();		

UT-23 Class AdminController : ViewResult IndexManaging()

Test Date 16 May 2015

Description Test for manage images of home page

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository.Welco meImages);		

UT-24 Class AdminController : ViewResult AddWelcomeImage()

Test Date 16 May 2015

Description Test for adding images

ID	Expected Result	Actual Result	Pass/Fail
1	return View("AddWelcomeIm		

	age", new WelcomeImage);		
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UT-25 Class AdminController : ViewResult AddGalleryImage()

Test Date 16 May 2015

Description Test for adding images to gallery

ID	Expected Result	Actual Result	Pass/Fail
1	return View("AddGalleryImage", new GalleryImage);		

UT-26 Class AdminController : ActionResult DeleteWelcomeImage(int ImageID)

Test Date 16 May 2015

Description Test for delete images of home page

ID	Expected Result	Actual Result	Pass/Fail
1	WelcomeImage deletedWelcomeImage = repository.DeleteWelcomeImage(ImageID) if (deletedWelcomeImage != null{ TempData["message"] = "Delete success"; } return RedirectToAction("IndexManaging");		

UT-27 Class AdminController : ActionResult GalleryManaging()

Test Date 16 May 2015

Description Test for view images into gallery

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository2.GalleryImages);		

UT-28 Class AdminController : ActionResult EditBackgroundInfo(int backgroundId)

Test Date 16 May 2015

Description Test for edit background of Wat Pa Thammapirom

ID	Expected Result	Actual Result	Pass/Fail
1	Background background = repository3.Backgrounds.FirstOrDefault(p => p.BackgroundID == backgroundId); return View(background);		

UT-29 Class AdminController : ActionResult BackgroundManaging()

Test Date 16 May 2015

Description Test for view background of Wat Pa Thammapirom

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository3.Backgrounds);		

UT-30 Class AdminController : ViewResult AddActivityClip()

Test Date 16 May 2015

Description Test for adding activity clips

ID	Expected Result	Actual Result	Pass/Fail
1	return View("AddActivityClip", new ActivityClip());		

UT-31 Class AdminController : ViewResult AddAnnualEvent()

Test Date 16 May 2015

Description Test for adding annual event

ID	Expected Result	Actual Result	Pass/Fail
1	return View("AddAnnualEvent", new AnnualEvent());		

UT-32 Class AdminController : ViewResult AddOtherEvent()

Test Date 16 May 2015

Description Test for adding other event

ID	Expected Result	Actual Result	Pass/Fail
1	return View("AddOtherEvent", new OtherEvent());		

UT-33 Class AdminController : ViewResult ReplyDhammaQA(int qaID)

Test Date 16 May 2015

Description Test for reply dharma question and answer

ID	Expected Result	Actual Result	Pass/Fail
1	DhammaQA dhammaQA = repository5.DhammaQ As.FirstOrDefault(p => p.QAID == qaID); return View(dhammaQA);		

UT-34 Class AdminController : ViewResult ActivityClipManaging()

Test Date 16 May 2015

Description Test for view activity clips

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository4.Activi tyClips);		

UT-35 Class AdminController : ViewResult DhammaQAManaging()

Test Date 16 May 2015

Description Test for view dharma question and answer

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository5.Dha mmaQAs);		

UT-36 Class AdminController : ViewResult AnnualEventManager()

Test Date 16 May 2015

Description Test for view annual event

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository6.AnnualEvents);		

UT-37 Class AdminController : ViewResult OtherEventManagering()

Test Date 16 May 2015

Description Test for view other event

ID	Expected Result	Actual Result	Pass/Fail
1	return View(repository7.OtherEvents);		

UT-38 Class AdminController : ActionResult DeleteGalleryImage(int ImageID)

Test Date 16 May 2015

Description Test for delete images in gallery

ID	Expected Result	Actual Result	Pass/Fail
1	GalleryImage deletedGalleryImage = repository2.DeleteGalleryImage(ImageID); if (deletedGalleryImage != null){ TempData["message"] = "Delete success"; } return RedirectToAction("Index");		

UT-39 Class AdminController : ActionResult DeleteActivityClip(int clipID)

Test Date 16 May 2015

Description Test for delete activity clip

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>ActivityClip deletedActivityClip = repository4.DeleteActiv ityClip(clipID); if (deletedActivityClip != null) { TempData["message"] = "Delete success";} return RedirectToAction("Acti vityClipManaging");</pre>		

UT-40 Class AdminController : ActionResult DeleteDhammaQA()

Test Date 16 May 2015

Description Test for delete dhamma question and answer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>DhammaQA deletedDhammaQA =repository5.DeleteDha mmaQA(QAID); if (deletedDhammaQA != null) { TempData["message"] = "Delete success"; } return RedirectToAction("Dha mmaQAManaging");</pre>		

UT-41 Class AdminController : ActionResult DeleteAnnualEvent(int EventID)

Test Date 16 May 2015

Description Test for delete annual event

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>AnnualEvent deletedAnnualEvent =repository6.DeleteAn nualEvent(EventID); if (deletedAnnualEvent != null) { TempData["message"] = "Delete success"; } return RedirectToAction("Ann ualEventManager"); }</pre>		

UT-42 Class AdminController : ActionResult DeleteOtherEvent(int EventID)

Test Date 16 May 2015

Description Test for delete other event

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> OtherEvent deletedOtherEvent = repository7.DeleteOtherEvent(EventID); if (deletedOtherEvent != null) { TempData["message"] = "Delete success"; } return RedirectToAction("OtherEventManaging"); </pre>		
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UT-43 Class AdminController : ActionResult IndexManaging(WelcomeImage welcomeImage, HttpPostedFileBase image)

Test Date 16 May 2015

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>if (ModelState.IsValid{ if (image != null) { welcomeImage.ImageM imeType = image.ContentType; welcomeImage.ImageD ata = new byte[image.ContentLen gth]; image.InputStream.Rea d(welcomeImage.Image Data, 0, image.ContentLength); } repository.SaveWelcom eImage(welcomeImage); TempData["message"] = string.Format("{0} has been saved", welcomeImage.ImageI D); return RedirectToAction("Inde xManaging"); } else { return View(welcomeImage);</pre>		

Description Test for managing of index page of Administer

UT-44 Class AdminController : ActionResult Index(GalleryImage galleryImage, HttpPostedFileBase image)

Test Date 16 May 2015

Description Test for saving images by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>if (ModelState.IsValid){ if (image != null){ galleryImage.ImageMi meType = image.ContentType; galleryImage.ImageDat a = new byte[image.ContentLen gth]; image.InputStream.Rea d(galleryImage.ImageD ata, 0, image.ContentLength); } repository2.SaveGaller yImage(galleryImage); TempData["message"] = string.Format("{0} has been saved", galleryImage.ImageID); return RedirectToAction("Inde x"); } else { return View(galleryImage);</pre>		

UT-45 Class AdminController : ActionResult EditBackground(Background background)

Test Date 16 May 2015

Description Test for edit background by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> if (ModelState.IsValid) { repository3.SaveBackgroundInfo(background); return RedirectToAction("BackgroundManaging"); } else { return View(background); </pre>		
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UT-46 Class AdminController : ActionResult AddAnnualEvent(AnnualEvent annualEvent)

Test Date 16 May 2015

Description Test for adding annual event by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> if (ModelState.IsValid) { repository6.SaveAnnualEvent(annualEvent); return RedirectToAction("AnnualEventManager"); } else { return View(annualEvent); } </pre>		

UT-47 Class AdminController : ActionResult AddOtherEvent(OtherEvent otherEvent)

Test Date 16 May 2015

Description Test for adding other event by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> if (ModelState.IsValid) { repository7.SaveOtherEvent(otherEvent); return RedirectToAction("AnnualEventManaging"); } else { return View(otherEvent); } </pre>		
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UT-48 Class AdminController : ActionResult AddActivityClip(ActivityClip activityClip)

Test Date 16 May 2015

Description Test for adding activity clips by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> if (ModelState.IsValid) { repository4.SaveActivityClip(activityClip); return RedirectToAction("ActivityClipManaging"); } else { return View(activityClip); } </pre>		

UT-49 Class AdminController : ActionResult ReplyDhammaQuestion(DhammaQA dhammaQA)

Test Date 16 May 2015

Description Test for reply dharma question and answer by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>if (ModelState.IsValid) { repository5.SaveDhammaQA(dhammaQA); return RedirectToAction("DhammaQAManaging"); } else { return View(dhammaQA); }</pre>		

UT-50 Class HomeController : FileContentResult GetWelcomeImage(int imageId)

Test Date 16 May 2015

Description Test for show slide images of home page by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> WelcomeImage welimg = repository.WelcomeImages.FirstOrDefault(p => p.ImageID == imageId); if (welimg != null) { return File(welimg.ImageData, welimg.ImageMimeType); } else { return null;}} </pre>		
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UT-51 Class HomeController : FileContentResult GetGalleryImage(int imageId)

Test Date 16 May 2015

Description Test for get image of gallery by managing of Administer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> GalleryImage galimg = repository2.GalleryImages.FirstOrDefault(p => p.ImageID == imageId); if (galimg != null) { return File(galimg.ImageData, galimg.ImageMimeType); } else { return null; } } </pre>		

UT-52 Class HomeController : ActionResult Index()**Test Date** 16 May 2015**Description** Test for view home page

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.Message = “หน้าแรก”; return View(repository.WelcomeImages);		

UT-53 Class HomeController : ActionResult Background()**Test Date** 16 May 2015**Description** Test for view background page

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.Message = “ประวัติวัด”; return View(repository3.Backgrounds);		

UT-54 Class HomeController : ActionResult AnnualEvent()**Test Date** 16 May 2015**Description** Test for view annual event page

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.Message = “ข่าวสาร-กิจกรรม”; return View(repository7.AnnualEvents);		

UT-55 Class HomeController : ActionResult AnnualEventDetail(int aEventID)

Test Date 16 May 2015

Description Test for view annual event detail page

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>AnnualEvent annualEvent = repository7.AnnualEvents.FirstOrDefault(p => p.EventID == aEventID); return View(annualEvent);</pre>		

UT-56 Class HomeController : ActionResult DhammaContent()

Test Date 16 May 2015

Description Test for view dharma content page

ID	Expected Result	Actual Result	Pass/Fail
1	<pre>ViewBag.Message = “สาระธรรม”; return View();</pre>		

UT-57 Class HomeController : ActionResult DhammaQA()

Test Date 16 May 2015

Description Test for view dhamma question and answer page

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> ViewBag.Message = “ถาม-ตอบธรรม”; return View(repository5.DhammaQAs); </pre>		
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UT-58 Class HomeController : ActionResult SendDhammaQ()

Test Date 16 May 2015

Description Test for view sending dhamma question and answer page

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> return View("SendDhammaQ", new DhammaQA()); </pre>		

UT-59 Class HomeController : ActionResult SendDhammaQ(DhammaQA dhammaQA)

Test Date 16 May 2015

Description Test for send dhamma question and answer

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> if (ModelState.IsValid) { repository5.SaveDhamma QA(dhammaQA); return RedirectToAction("Dham maQA"); } else { return View(dhammaQA); } </pre>		

UT-60 Class HomeController : ActionResult Gallery()

Test Date 16 May 2015

Description Test for view gallery page

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> ViewBag.Message = "แกลอรี่"; return View(repository2.GalleryImages); </pre>		
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UT-61 Class HomeController : ActionResult ActivityClip()

Test Date 16 May 2015

Description Test for view activity clip page

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> ViewBag.Message = "วิดีโอกิจกรรม"; return View(repository4.ActivityClips); </pre>		

UT-62 Class HomeController : ActionResult InternetTV()

Test Date 16 May 2015

Description Test for view internet TV page

ID	Expected Result	Actual Result	Pass/Fail
1	<pre> ViewBag.Message = "อินเทอร์เน็ตทีวี"; return View(); </pre>		

UT-63 Class HomeController : ActionResult Map()

Test Date 16 May 2015

Description Test for map page

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.Message = “แผน ที่วัด”; return View();		

UT-64 Class HomeController : ActionResult Contact()

Test Date 16 May 2015

Description Test for view contact page

ID	Expected Result	Actual Result	Pass/Fail
1	ViewBag.Message = “ติดต่อวัด”; return View(“Contact”, new Contact());		

UT-65 Class HomeController : ActionResult Contact(Contact -objModelMail)

Test Date 16 May 2015

Description Test for sending email for contact

ID	Expected Result	Actual Result	Pass/Fail
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1	<pre> if (ModelState.IsValid) { repository6.SaveContact(_objModelMail); MailMessage mail = new MailMessage(); mail.To.Add("se552115005@vr.camt.info"); mail.From = new MailAddress(_objModelMail.SenderEmail); mail.Subject = _objModelMail.ContactTitle; string Body = "โปรดติดต่อกลับ: "+_objModelMail.Sender+"\n อีเมลล์: "+_objModelMail.SenderEmail+"\n เรื่อง: "+_objModelMail.ContactMessage; mail.Body = Body; mail.IsBodyHtml = true; SmtpClient smtp = new SmtpClient(); smtp.Host = "smtp.gmail.com"; smtp.Port = 587; smtp.UseDefaultCredentials = true; smtp.Credentials = new System.Net.NetworkCredential("se552115005@vr.camt.info","552115005"); // Enter senders User name and password smtp.EnableSsl = true; smtp.Send(mail); return View("Contact", _objModelMail);} else { return View(); } </pre>		
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[UNIT TEST FROM C#]

Test of User Side (Guest, Member)

```
using System;
using System.Text;
using System.Text.RegularExpressions;
using System.Threading;
using NUnit.Framework;
using OpenQA.Selenium;
using OpenQA.Selenium.Firefox;
using OpenQA.Selenium.Support.UI;

namespace SeleniumTests
{
    [TestFixture]
    public class TestCaseBySeleniumFirstTime
    {
        private IWebDriver driver;
        private StringBuilder verificationErrors;
        private string baseURL;
        private bool acceptNextAlert = true;

        [SetUp]
        public void SetupTest()
        {
            driver = new FirefoxDriver();
            baseURL = "http://pathammapirom.azurewebsites.net/";
            verificationErrors = new StringBuilder();
        }
    }
}
```

[TearDown]

```
public void TeardownTest()
{
    try
    {
        driver.Quit();
    }
    catch (Exception)
    {
        // Ignore errors if unable to close the browser
    }

    Assert.AreEqual("", verificationErrors.ToString());
}
```

[Test]

```
public void TheCaseBySeleniumFirstTimeTest()
{
    driver.Navigate().GoToUrl(baseUrl + "/");
    driver.FindElement(By.LinkText("หน้าแรก")).Click();
    driver.FindElement(By.LinkText("Next")).Click();
    driver.FindElement(By.LinkText("Next")).Click();
    driver.FindElement(By.LinkText("Next")).Click();
    driver.FindElement(By.LinkText("ประวัติ")).Click();
    driver.FindElement(By.LinkText("ข่าวสาร-กิจกรรม")).Click();
    driver.FindElement(By.LinkText("รายละเอียดกิจกรรม")).Click();
    driver.FindElement(By.LinkText("ยกเลิกและกลับสู่หน้ากิจกรรมประจำปี")).Click();
    driver.FindElement(By.LinkText("สารธรรม")).Click();
    driver.FindElement(By.LinkText("สมาชิก")).Click();
    driver.FindElement(By.LinkText("สมาชิก")).Click();
    driver.FindElement(By.LinkText("สมาชิก")).Click();
}
```

```
driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.Id("loginLink")).Click();

driver.FindElement(By.Id("UserName")).Clear();

driver.FindElement(By.Id("UserName")).SendKeys("march");

driver.FindElement(By.Id("Password")).Clear();

driver.FindElement(By.Id("Password")).SendKeys("march9");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("ประวัติ")).Click();

driver.FindElement(By.LinkText("ข่าวสาร-กิจกรรม")).Click();

driver.FindElement(By.LinkText("รายละเอียดกิจกรรม")).Click();

driver.FindElement(By.LinkText("ยกเลิกและกลับสู่หน้ากิจกรรมประจำปี")).Click();

driver.FindElement(By.XPath("//a[contains(text(),'รายละเอียดกิจกรรม')][2]")).Click();

driver.FindElement(By.LinkText("ยกเลิกและกลับสู่หน้ากิจกรรมประจำปี")).Click();

driver.FindElement(By.LinkText("ข่าวสาร-กิจกรรม")).Click();

driver.FindElement(By.LinkText("สารธรรม")).Click();

driver.FindElement(By.LinkText("ถาม-ตอบธรรมะ")).Click();

driver.FindElement(By.LinkText("คลิกที่นี่เพื่อตั้งคำถาม")).Click();

driver.FindElement(By.Id("Question")).Clear();

driver.FindElement(By.Id("Question")).SendKeys("ทำไมต้องดักบาตรในวันพุธเที่ยงคืนด้วยคะ");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("ถาม-ตอบธรรมะ")).Click();

driver.FindElement(By.LinkText("แกลอรี่")).Click();

driver.FindElement(By.XPath("//img[contains(@src,'http://i.imgur.com/w06OYTk.jpg')]")).Click();

driver.FindElement(By.Id("myModal")).Click();

driver.FindElement(By.XPath("//img[contains(@src,'http://i.imgur.com/qeF2c4e.jpg')]")).Click();

driver.FindElement(By.Id("myModal")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();
```

```

driver.FindElement(By.LinkText("วิดีโอกิจกรรม")).Click();

driver.FindElement(By.CssSelector("div.ytp-thumbnail.html5-stop-propagation")).Click();

driver.FindElement(By.CssSelector("div.ytp-button.ytp-button-pause")).Click();

driver.FindElement(By.LinkText("อินเทอร์เน็ตทีวี")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.CssSelector("b.caret")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("ถาม-ตอบธรรมะ")).Click();

driver.FindElement(By.LinkText("แผนที่")).Click();

driver.FindElement(By.XPath("//img[contains(@src,'http://maps.gstatic.com/mapfiles/api-3/images/mapcnt6.png')]")).Click();

driver.FindElement(By.CssSelector("div[title=\"Click to zoom\"] > img")).Click();

driver.FindElement(By.CssSelector("div[title=\"Click to zoom\"] > img")).Click();

driver.FindElement(By.LinkText("ติดต่อวัด")).Click();

driver.FindElement(By.Id("Sender")).Clear();

driver.FindElement(By.Id("Sender")).SendKeys("March");

driver.FindElement(By.Id("SenderEmail")).Clear();

driver.FindElement(By.Id("SenderEmail")).SendKeys("marchtaphad@gmail.com");

driver.FindElement(By.Id("ContactTitle")).Clear();

driver.FindElement(By.Id("ContactTitle")).SendKeys("Selenium test");

driver.FindElement(By.Id("ContactMessage")).Clear();

driver.FindElement(By.Id("ContactMessage")).SendKeys("1st time to test selenium");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.Id("logout")).Click();

driver.FindElement(By.LinkText("แผนที่")).Click();

driver.FindElement(By.LinkText("ติดต่อวัด")).Click();

driver.FindElement(By.LinkText("หน้าแรก")).Click();
}

private bool IsElementPresent(By by)
{

```

```
try
{
    driver.FindElement(by);

    return true;
}
catch (NoSuchElementException)
{
    return false;
}
}
```

```
private bool IsAlertPresent()
{
    try
    {
        driver.SwitchTo().Alert();

        return true;
    }
    catch (NoAlertPresentException)
    {
        return false;
    }
}
```

```
private string CloseAlertAndGetItsText() {
    try {
        IAlert alert = driver.SwitchTo().Alert();

        string alertText = alert.Text;

        if (acceptNextAlert) {
            alert.Accept();
        } else {
```

```
        alert.Dismiss();
    }
    return alertText;
} finally {
    acceptNextAlert = true;
}
}
}
```

[UNIT TEST FROM C#]

Test of Administer Side

```
using System;
using System.Text;
using System.Text.RegularExpressions;
using System.Threading;
using NUnit.Framework;
using OpenQA.Selenium;
using OpenQA.Selenium.Firefox;
using OpenQA.Selenium.Support.UI;

namespace SeleniumTests
{
    [TestFixture]
    public class TestCaseBySeleniumSecondTime
    {
        private IWebDriver driver;
        private StringBuilder verificationErrors;
        private string baseUrl;
        private bool acceptNextAlert = true;

        [SetUp]
        public void SetupTest()
```

```
{  
    driver = new FirefoxDriver();  
    baseURL = "http://pathammaprom.azurewebsites.net/admin";  
    verificationErrors = new StringBuilder();  
}
```

[TearDown]

```
public void TeardownTest()  
{  
    try  
    {  
        driver.Quit();  
    }  
    catch (Exception)  
    {  
        // Ignore errors if unable to close the browser  
    }  
    Assert.AreEqual("", verificationErrors.ToString());  
}
```

[Test]

```
public void TheCaseBySeleniumSecondTimeTest()  
{  
    driver.FindElement(By.Id("loginLink")).Click();  
    driver.FindElement(By.Name("username")).Clear();  
    driver.FindElement(By.Name("username")).SendKeys("admin");  
    driver.FindElement(By.Name("password")).Clear();  
    driver.FindElement(By.Name("password")).SendKeys("admin1234");  
    driver.FindElement(By.XPath("//input[@value='Login']")).Click();  
    driver.FindElement(By.Id("lst-ib")).Clear();  
    driver.FindElement(By.Id("lst-ib")).SendKeys("temple");  
}
```



```

driver.FindElement(By.LinkText("Images")).Click();

driver.FindElement(By.Id("lst-ib")).Clear();

driver.FindElement(By.Id("lst-ib")).SendKeys("thai temple");

driver.FindElement(By.Name("GIdpoz6WNFl66M:")).Click();

driver.FindElement(By.XPath("//div[@id='irc_cc']/div[3]/div[3]/div/div[2]/table/tbody/tr/td[2]/a/span")).Click();

driver.FindElement(By.LinkText("เพิ่มรูปภาพลงบนสไลด์")).Click();

driver.FindElement(By.Id("loginLink")).Click();

driver.FindElement(By.Name("username")).Clear();

driver.FindElement(By.Name("username")).SendKeys("admin");

driver.FindElement(By.Name("password")).Clear();

driver.FindElement(By.Name("password")).SendKeys("admin1234");

driver.FindElement(By.XPath("//input[@value='Login']")).Click();

driver.FindElement(By.LinkText("เพิ่มรูปภาพลงบนสไลด์")).Click();

driver.FindElement(By.Id("ImageData")).Clear();

driver.FindElement(By.Id("ImageData")).SendKeys("http://www.enjoyourholiday.com/wp-content/uploads/2012/05/Temple-of-Dawn-Wat-Arun.-Thailand-5.jpg");

driver.FindElement(By.CssSelector("input[type='submit']")).Click();

driver.FindElement(By.XPath("//input[@value='ลบ']")[5])).Click();

driver.FindElement(By.LinkText("แก้ไขประวัติ")).Click();

driver.FindElement(By.LinkText("แก้ไข")).Click();

driver.FindElement(By.CssSelector("input[type='submit']")).Click();

driver.FindElement(By.LinkText("แก้ไขกิจกรรมประจำปี")).Click();

driver.FindElement(By.LinkText("แก้ไข")).Click();

driver.FindElement(By.Id("EventDetail")).Clear();

driver.FindElement(By.Id("EventDetail")).SendKeys("เป็นงานที่จัดขึ้นเป็นประจำทุกปี");

driver.FindElement(By.CssSelector("input[type='submit']")).Click();

driver.FindElement(By.XPath("//a[contains(text(),'แก้ไข')][8]")).Click();

driver.FindElement(By.Id("EventDetail")).Clear();

driver.FindElement(By.Id("EventDetail")).SendKeys("เป็นงานที่จัดขึ้นเป็นประจำทุกปี");

driver.FindElement(By.CssSelector("input[type='submit']")).Click();

```

```
driver.FindElement(By.LinkText("เพิ่มกิจกรรมประจำปี")).Click();

driver.FindElement(By.Id("EventTitle")).Clear();

driver.FindElement(By.Id("EventTitle")).SendKeys("งานทอดผ้าป่า");

driver.FindElement(By.Id("EventDetail")).Clear();

driver.FindElement(By.Id("EventDetail")).SendKeys("ทอดผ้าป่า");

driver.FindElement(By.Id("EventDate")).Clear();

driver.FindElement(By.Id("EventDate")).SendKeys("20 สิงหาคม 2558");

driver.FindElement(By.Id("EventTime")).Clear();

driver.FindElement(By.Id("EventTime")).SendKeys("12.00");

driver.FindElement(By.Id("EventLocation")).Clear();

driver.FindElement(By.Id("EventLocation")).SendKeys("วัดป่าธรรมภิรมณ์");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("แก้ไข")).Click();

driver.FindElement(By.Id("EventTime")).Clear();

driver.FindElement(By.Id("EventTime")).SendKeys("12.00-14.00");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("แก้ไขกิจกรรมทั่วไป")).Click();

driver.FindElement(By.LinkText("เพิ่มกิจกรรมทั่วไป")).Click();

driver.FindElement(By.Id("EventPurpose")).Clear();

driver.FindElement(By.Id("EventPurpose")).SendKeys("สร้างความสามัคคี");

driver.FindElement(By.Id("EventTitle")).Clear();

driver.FindElement(By.Id("EventTitle")).SendKeys("สามัคคีคือพลัง");

driver.FindElement(By.Id("EventDetail")).Clear();

driver.FindElement(By.Id("EventDetail")).SendKeys("วิ่ง");

driver.FindElement(By.Id("EventDate")).Clear();

driver.FindElement(By.Id("EventDate")).SendKeys("20 สิงหาคม 2558");

driver.FindElement(By.Id("EventTime")).Clear();

driver.FindElement(By.Id("EventTime")).SendKeys("12.00");

driver.FindElement(By.Id("EventLocation")).Clear();
```

```
driver.FindElement(By.Id("EventLocation")).SendKeys("วัดป่าธรรมาภิรมณ์");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.Id("loginLink")).Click();

driver.FindElement(By.Name("username")).Clear();

driver.FindElement(By.Name("username")).SendKeys("admin");

driver.FindElement(By.Name("password")).Clear();

driver.FindElement(By.Name("password")).SendKeys("admin1234");

driver.FindElement(By.XPath("//input[@value='Login']")).Click();

driver.FindElement(By.LinkText("แก้ไขกิจกรรมทั่วไป")).Click();

driver.FindElement(By.LinkText("ตอบคำถามกระทู้ธรรม")).Click();

driver.FindElement(By.LinkText("ตอบ")).Click();

driver.FindElement(By.Id("Answer")).Clear();

driver.FindElement(By.Id("Answer")).SendKeys("ไม่ทราบครับ");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("แก้ไขภาพในแกลอรี่")).Click();

driver.FindElement(By.LinkText("เพิ่มรูปภาพใหม่")).Click();

driver.FindElement(By.Id("ImageData")).Clear();

driver.FindElement(By.Id("ImageData")).SendKeys("http://www.enjoyyourholiday.com/wp-content/uploads/2012/05/Temple-of-Dawn-Wat-Arun.-Thailand-5.jpg");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.XPath("//input[@value='ลบ']")[6])).Click();

driver.FindElement(By.LinkText("แก้ไขวิดีโอกิจกรรม")).Click();

driver.FindElement(By.LinkText("หัวใจลิขิต Ost.เลือดมังกร ตอน กระทั่ง | Ebola | Official MV")).Click();

driver.FindElement(By.CssSelector("div.ytp-button.ytp-button-pause")).Click();

driver.FindElement(By.XPath("//button[@type='button']")[15])).Click();

driver.FindElement(By.XPath("//button[@type='button']")[24])).Click();

driver.FindElement(By.LinkText("เพิ่มคลิปกิจกรรม")).Click();

driver.FindElement(By.Id("ClipTitle")).Clear();

driver.FindElement(By.Id("ClipTitle")).SendKeys("ทดสอบร้า");
```

```
driver.FindElement(By.Id("ClipEmbedCode")).Clear();

driver.FindElement(By.Id("ClipEmbedCode")).SendKeys("https://www.youtube.com/embed/INwJCGIUFNs");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.XPath("(//input[@value='ลบ'])[5]")).Click();

driver.FindElement(By.LinkText("ออกจากระบบ")).Click();

driver.Navigate().GoToUrl(baseUrl + "/");

driver.FindElement(By.LinkText("หน้าแรก")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("ประวัติ")).Click();

driver.FindElement(By.LinkText("ข่าวสาร-กิจกรรม")).Click();

driver.FindElement(By.LinkText("รายละเอียดกิจกรรม")).Click();

driver.FindElement(By.LinkText("ยกเลิกและกลับสู่หน้ากิจกรรมประจำปี")).Click();

driver.FindElement(By.LinkText("สารธรรม")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.Id("loginLink")).Click();

driver.FindElement(By.Id("UserName")).Clear();

driver.FindElement(By.Id("UserName")).SendKeys("march");

driver.FindElement(By.Id("Password")).Clear();

driver.FindElement(By.Id("Password")).SendKeys("march9");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("Next")).Click();

driver.FindElement(By.LinkText("ประวัติ")).Click();

driver.FindElement(By.LinkText("ข่าวสาร-กิจกรรม")).Click();

driver.FindElement(By.LinkText("รายละเอียดกิจกรรม")).Click();
```

```
driver.FindElement(By.LinkText("ยกเลิกและกลับสู่หน้ากิจกรรมประจำปี")).Click();

driver.FindElement(By.XPath("//a[contains(text(),'รายละเอียดกิจกรรม')][2]")).Click();

driver.FindElement(By.LinkText("ยกเลิกและกลับสู่หน้ากิจกรรมประจำปี")).Click();

driver.FindElement(By.LinkText("ข่าวสาร-กิจกรรม")).Click();

driver.FindElement(By.LinkText("สารธรรม")).Click();

driver.FindElement(By.LinkText("ถาม-ตอบธรรมะ")).Click();

driver.FindElement(By.LinkText("คลิกที่นี่เพื่อตั้งคำถาม")).Click();

driver.FindElement(By.Id("Question")).Clear();

driver.FindElement(By.Id("Question")).SendKeys("ทำไมต้องดักบาตรในวันพุธเที่ยงคืนด้วยคะ");

driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("ถาม-ตอบธรรมะ")).Click();

driver.FindElement(By.LinkText("แกลลอรี่")).Click();

driver.FindElement(By.XPath("//img[contains(@src,'http://i.imgur.com/wO6OYTk.jpg')]")).Click();

driver.FindElement(By.Id("myModal")).Click();

driver.FindElement(By.XPath("//img[contains(@src,'http://i.imgur.com/qeF2c4e.jpg')]")).Click();

driver.FindElement(By.Id("myModal")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("วิดีโอกิจกรรม")).Click();

driver.FindElement(By.CssSelector("div.ytp-thumbnail.html5-stop-propagation")).Click();

driver.FindElement(By.CssSelector("div.ytp-button.ytp-button-pause")).Click();

driver.FindElement(By.LinkText("อินเทอร์เน็ตทีวี")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.CssSelector("b.caret")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("สมาชิก")).Click();

driver.FindElement(By.LinkText("ถาม-ตอบธรรมะ")).Click();

driver.FindElement(By.LinkText("แผนที่")).Click();

driver.FindElement(By.XPath("//img[contains(@src,'http://maps.gstatic.com/mapfiles/api-3/images/mapcnt6.png')]")).Click();
```

```

driver.FindElement(By.CssSelector("div[title=\"Click to zoom\"] > img")).Click();
driver.FindElement(By.CssSelector("div[title=\"Click to zoom\"] > img")).Click();
driver.FindElement(By.LinkText("ติดต่อวัด")).Click();
driver.FindElement(By.Id("Sender")).Clear();
driver.FindElement(By.Id("Sender")).SendKeys("March");
driver.FindElement(By.Id("SenderEmail")).Clear();
driver.FindElement(By.Id("SenderEmail")).SendKeys("marchtaphad@gmail.com");
driver.FindElement(By.Id("ContactTitle")).Clear();
driver.FindElement(By.Id("ContactTitle")).SendKeys("Selenium test");
driver.FindElement(By.Id("ContactMessage")).Clear();
driver.FindElement(By.Id("ContactMessage")).SendKeys("1st time to test selenium");
driver.FindElement(By.CssSelector("input[type=\"submit\"]")).Click();
driver.FindElement(By.Id("logout")).Click();
driver.FindElement(By.LinkText("แผนที่")).Click();
driver.FindElement(By.LinkText("ติดต่อวัด")).Click();
driver.FindElement(By.LinkText("หน้าแรก")).Click();
}

private bool IsElementPresent(By by)
{
    try
    {
        driver.FindElement(by);
        return true;
    }
    catch (NoSuchElementException)
    {
        return false;
    }
}

private bool IsAlertPresent()

```

```

{
    try
    {
        driver.SwitchTo().Alert();

        return true;
    }
    catch (NoAlertPresentException)
    {
        return false;
    }
}

private string CloseAlertAndGetItsText() {
    try {
        IAlert alert = driver.SwitchTo().Alert();

        string alertText = alert.Text;

        if (acceptNextAlert) {
            alert.Accept();
        } else {
            alert.Dismiss();
        }

        return alertText;
    } finally {
        acceptNextAlert = true;
    }
}
}

```

