**User Requirement Specification and System Requirement Specification**

**Guest:**

**URS-01: Guest can register to be a member of Wat ChaiMongKol Website.**

**SRS-01:** System shall provide a register link on Wat ChaiMongKol home page.

**SRS-02:** System shall provide a register page that contains name textbox , surname textbox, gender option box,username textbox, password textbox, confirm password textbox, email textbox , confirm email textbox , birthdate textbox and submit button.

**SRS-03:** System shall connect to the database.

**SRS-04:** System shall verify the input name format which can only contain english alphabet (e.g. Letters a-z, Letters A-Z) .

**SRS-05:** System shall verify the input surname format which can only contain english alphabet (e.g. Letters a-z, Letters A-Z) .

**SRS-06:** System shall verify the input username length which can only contain between 8 -12 characters.

**SRS-07:** System shall verify the input username format which can only contain alphanumeric characters (e.g. Letters a-z,Letters A-Z, Numbers 0-9 ).

**SRS-08:** System shall verify existing of the input username with database.

**SRS-09:** System shall verify the input password format which can only contain alphanumeric characters ( e.g. Letters a-z, Letters A-Z,Numbers 0-9 ).

**SRS-10:** System shall verify the input password length which can only contain between 8-12 characters.

**SRS-11:** System shall verify password and confirm password are matched.

**SRS-12:** System shall verify the input email format which can only contain well-formed email address (e.g. [se552115013@vr.camt.info](mailto:se552115013@vr.camt.info)).

**SRS-13:** System shall verify exiting of the input email with database.

**SRS-14:** System shall record all registration data into the database after user finished register process.

**SRS-15:** System shall send a confirmation email to the user’s email address.

**SRS-16:** System shall redirect to the homepage after registration is completed.

**SRS-16:** System shall display a success message "You have successfully registered. You will be redirected back to our home page in 5 seconds. ”.

**SRS-17:** System shall display an error message to the user if the user left the textbox of name blank “Name is required!”.

**SRS-18:** System shall display an error message to the user if the user left the textbox of surname blank “Surname is required!”.

**SRS-19:** System shall display an error message to the user if the user uncheck gender option box “Gender is required! Please tick on the gender option box”.

**SRS-20:** System shall display an error message to the user if the user left the textbox of username blank “Username is required! P”.

**SRS-21:** System shall display an error message to the user if the user left password field blank “Password is required!”.

**SRS-22:** System shall display an error message to the user if the user left confirm password textbox blank “Re-enter Password is required!”.

**SRS-23:** System shall display an error message to the user if the user left email textbox blank “Email is required!”.

**SRS-24:** System shall display an error message to the user if the user left confirm email textbox blank “Confirm Email is required!”.

**SRS-25:**  System shall display an error message to the user if the user input invalid username “Username is invalid! Please re-enter only a-z, A-Z,0-9”.

**SRS-26:** System shall display an error message to the user if the user input username over the limit length “Username should be between 8-12 characters”.

**SRS-27:** System shall display an error message “Username already exists”.

**SRS-28:** System shall display an error message to the user if the user input invalid password “Password is invalid! Please re-enter only a-z, A-Z,0-9”.

**SRS-29:** System shall display an error message to the user if the user input password over the limit length “Password should be between 8-12 characters”.

**SRS-30:** System shall display an error message “Your password and confirm password do not match. Please try again “.

**SRS-31:** System shall display an error message “Email already exists”

**URS-02: Guest can view the temple’s history.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-33:** System shall provide the user interface to display the temple’s history .

**URS-03: Guest can view upcoming activity.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-34:** System shall provide the user interface to display upcoming activity detail , activity pictures, date and time .

**URS-04: Guest can view Dharma Knowledge.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-35:** System shall provide the user interface to display the Dharma knowledge information.

**URS-05: Guest can view the map of the temple.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-36:** System shall provide a map interface from google map HTML code to display the temple’s map.

**URS-06: Guest can view the temple’s contact information.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-37:** System shall provide the user interface to display the temple’s address , the temple’s phone and contact form.

**URS-07: Guest can link directly to the temple’s facebook page.**

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-38:** System shall redirect to Wat ChaiMongKol facebook page URL.

**URS-08: Guest can view the temple’s gallery.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-39:** System shall provide the user interface to display the temple’s photo and description.

**URS-9: Guest can view the Dharma Q&A thread.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-40:** System shall provide the user interface to display all Q&A thread that sort by most recent.

**URS-10: Guest can view the homepage of the temple’s website.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-43:** System shall provide the user interface to display image slider.

**Member:**

**URS-11: Member can login to the temple’s website as a member.**

**SRS-44:** Systema shall provide a login link on Wat ChaiMongKol home page.

**SRS-45:** System shall provide login interface which contains username textbox ,password textbox and submit button.

**SRS-03:** System shall connect to the database.

**SRS-47:** System shall verify input username and password with the database.

**SRS-48:** System shall provide login success message.

**SRS-49:** System shall provide the member’s feature after log on to the system.

**SRS-50:** System shall provide a log off link for member.

**SRS-51:** System shall display the member’s name after logged in to show that they are still login to the system.

**SRS-52:** System shall display error message “Username or password incorrect”.

**URS-12: Member can ask any Dharma question via Q&A thread.**

**SRS-03:** System shall connect to the database.

**SRS-53:** System shall provide the user interface to display the question form.

**SRS-54:** System shall insert the Dharma question into the database.

**SRS-55:** System shall display success message.

**URS-13: Member can receive the activity announcement via the registered email.**

**SRS-56:** System shall be able to send the activity announcement to member’s email.

**URS-14: Member can receive the notification when the admin answer member’s question.**

**SRS-57:** System shall be able to send the notification to member’s email.

**URS-15: Member can view the temple’s history.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-33:** System shall provide the user interface to display the temple’s history .

**URS-16: Member can view upcoming activity.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-34:** System shall provide the user interface to display upcoming activity detail , activity pictures, date and time .

**URS-17: Member can view Dharma Knowledge.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-35:** System shall provide the user interface to display the Dharma knowledge information.

**URS-18: Member can view the map of the temple.**

**SRS-03:** System shall connect to the database.

SRS-32: System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

SRS-36: System shall provide a map interface from google map HTML code to display the temple’s map.

**URS-19: Member can view the temple’s contact information.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-37:** System shall provide the user interface to display the temple’s address , the temple’s phone and contact form.

**URS-20: Member can link directly to the temple’s facebook page.**

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-38:** System shall redirect to Wat ChaiMongKol facebook page URL.

**URS-21: Member can view the temple’s gallery.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-39:** System shall provide the user interface to display the temple’s photo and description.

**URS-22: Member can view the Dharma Q&A thread.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-40:** System shall provide the user interface to display all Q&A thread that sort by most recent.

**URS-23: Member can view the homepage of the temple’s website.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-43:** System shall provide the user interface to display image slider.

**URS-24: Member can log out off the system.**

**SRS-58:** System shall provide the logout link on the menu bar after logged in.

**SRS-59:** System shall disable member’s feature after logged out off the system.

**SRS-60:** System shall refresh the page after logged out off the system.

**Admin:**

**URS-25: Admin can login to Wat ChaiMongkol website as an admin.**

**SRS-44:** Systema shall provide a login link on Wat ChaiMongKol home page.

**SRS-45:** System shall provide login interface which contains username textbox ,password textbox and submit button.

**SRS-03:** System shall connect to the database.

**SRS-47:** System shall verify input username and password with the database.

**SRS-48:** System shall provide login success message.

**SRS-61:** System shall provide the admin’s feature after log on to the system.

**SRS-50:** System shall provide a log off link.

**SRS-51:** System shall display the admin’s name after logged in to show that they are still login to the system.

**SRS-52:** System shall display error message “Username or password incorrect”.

**URS-26: Admin can add the temple’s activity.**

**SRS-53:** System shall provide add button on update activity page which contains the option box between annual activity and other activity, title text box , date text box , time text box , place text box , the daily schedule textbox , submit button and cancel button.

**SRS-54:** System shall record new activity into the database.

**SRS-55:** System shall send the notification to all registered member’s email.

**SRS-56:** System shall display the success message “Added!”.

**URS-27: Admin can edit the temple’s activity.**

**SRS-57:** System shall provide edit button on each activity announcement which contains the option box between annual activity and other activity, title text box , date text box , time text box , place text box , the daily schedule textbox , submit button and cancel button.

**SRS-58:** System shall get the value of each text box from the database.

**SRS-59:** System shall update all the information into the database.

**SRS-60:** System shall display the success message “Edited”.

**URS-28: Admin can delete the temple’s activity.**

**SRS-61:** System shall provide delete button on each activity announcement.

**SRS-62:** System shall provide confirmation message to the admin “ Are you sure you want to delete this activity?”

**SRS-63:** System shall delete the selected activity in the database.

**SRS-64:** System shall display the success message “Deleted”.

**URS-29: Admin can answer the Dharma question in Q&A thread.**

**SRS-65:** System shall provide answer button on each question.

**SRS-66:** System shall provide user interface to display the answer form which contains answer textbox, submit button, and cancel button.

**SRS-67:** System shall add admin’s answer into the database.

**SRS-68:** System shall send notification to the questioner’s email.

**SRS-69:** System shall display success message “ Answered”.

**URS-30: Admin can delete the Dharma question in Q&A thread.**

**SRS-70:** System shall provide delete button on each question.

**SRS-71:** System shall provide confirmation message to the admin “ Are you sure you want to delete this question?”

**SRS-72:** System shall delete the selected question in the database.

**SRS-73:** System shall display the success message “Deleted”.

**URS-31: Admin can log out off the system.**

**SRS-74:** System shall provide the logout link on the menu bar after logged in.

**SRS-75:** System shall disable admin’s feature after logged out off the system.

**SRS-76:** System shall refresh the page after logged out off the system.

**URS-32: Admin can view the temple’s history.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-33:** System shall provide the user interface to display the temple’s history .

**URS-33: Admin can view upcoming activity.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-34:** System shall provide the user interface to display upcoming activity detail , activity pictures, date and time .

**URS-34: Admin can view Dharma Knowledge.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-35:** System shall provide the user interface to display the Dharma knowledge information.

**URS-35: Admin can view the map of the temple.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-36:** System shall provide a map interface from google map HTML code to display the temple’s map.

**URS-36: Admin can view the temple’s contact information.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-37:** System shall provide the user interface to display the temple’s address , the temple’s phone and contact form.

**URS-37: Admin can link directly to the temple’s facebook page.**

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-38:** System shall redirect to Wat ChaiMongKol facebook page URL.

**URS-38: Admin can view the temple’s gallery.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-39:** System shall provide the user interface to display the temple’s photo and description.

**URS-39: Admin can view the Dharma Q&A thread.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-40:** System shall provide the user interface to display all Q&A thread that sort by most recent.

**URS-40: Admin can view the homepage of the temple’s website.**

**SRS-03:** System shall connect to the database.

**SRS-32:** System shall provide a horizontal menu bar which contains homepage link,upcoming activity page link, temple’s history page link, Q&A about dhamma page link,Dharma knowledge page link, temple’s gallery page link, contact page link , map page link and facebook page link on every pages.

**SRS-43:** System shall provide the user interface to display image slider.