**User Requirement Specification and System Requirement Specification**

**URS-01: Visitor, Member, and Admin can view the home page of the website.**

**SRS-01**: System shall connect to the database.   
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-03:** System shall provide the user interface to display the home page.   
**SRS-04**: System shall provide a slide show image to display the temple’s area.

**URS-02: Visitor can register to be a member of the Wat Pra Singh web site.**

**SRS-05:** System shall provide register link for visitor on the home page.  
**SRS-06**: System shall provide register page that contain username textbox, password text box, re-password text box, email text box, submit button and cancel button.  
**SRS-01**: System shall connect to the database.   
**SRS-07**: System shall verify the input username format that allow only a-z, A-Z.  
**SRS-08**: System shall verify the input username length which allow between 5 -10 characters.  
**SRS-09**: System shall verify existing the input username with the database.  
**SRS-10**: System shall hide character in the password field.  
**SRS-11**: System shall verify the input password format that allow only a-z, A-Z, 0-9.  
**SRS-12:** System shall verify the input password length that allow between 6-12 characters.  
**SRS-13:** System shall verify password and re-password matched.  
**SRS-14:** System shall verify the input email format that allow email format (e.g.[xxx@abcmail.com](mailto:xxx@abcmail.com)).  
**SRS-15:** System shall verify existing the input email with the database.  
**SRS-16:** System shall record all information in the register page into the database.  
**SRS-17:** System shall redirect visitor to the homepage after register complete.  
**SRS-18:** System shall provide a success message “Register is succeeded”.  
**SRS-19**: System shall provide an error message “Username is required. Please input username”.   
**SRS-20**: System shall provide an error message “Password is required. Please input password”.   
**SRS-21**: System shall provide an error message “Re-password is required. Please input Re-password”.   
**SRS-22**: System shall provide an error message “Email is required. Please input Email”.   
**SRS-23**: System shall provide an error message “Username is invalid. Please use only a-z, A-Z”.   
**SRS-24**: System shall provide an error message “Username should be between 5-10 characters”.   
**SRS-25**: System shall provide an error message “Username exists”.   
**SRS-26**: System shall provide an error message “Password is invalid. Please use only a-z, A-Z, 0-9”.   
**SRS-27**: System shall provide an error message “Password should be between 6-12 characters”.   
**SRS-28**: System shall provide an error message “Password and re-password are not matched. Please try again”.   
**SRS-29**: System shall provide an error message “Email is in wrong format. Please try again”. **SRS-30**: System shall provide an error message “Email exists”.

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

**SRS-01**: System shall connect to the database.   
**SRS-31**: System shall provide language button on every page to switch the language of the website between Thai and English.  
**SRS-32:** System shall change the web language to the language that user selected.

**URS-04: Visitor, Member, and Admin can view the activities announcement page.**

**SRS-01**: System shall connect to the database.   
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-33**: System shall provide the user interface to display the activities announcement page.  
**SRS-34**: System shall separate each activity into the form of a list.  
**SRS-35**: System shall provide a link of each activity named by activity topic that arranged by date of activities for ten latest topic.

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

**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-36**: System shall provide the user interface to display the activities detail page.  
**SRS-37**: System shall provide activity detail page that contain the name of activity, picture, activity date, and activity information.

**URS-06: Visitor, Member and Admin can view the Q&A page.**

**SRS-01**: System shall connect to the database.  
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.   
**SRS-38**: System shall provide the user interface to display Q&A page.  
**SRS-39**: System shall separate each Dharma question with an answer into the form of post arrange by the latest answer date.

**URS-07: Visitor, Member, and Admin can view the temple’s history page.**

**SRS-01**: System shall connect to the database.  
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.   
 **SRS-40**: System shall provide the user interface to display the history page.  
**SRS-41**: System shall provide temple's history information.

**URS-08: Visitor, Member, and Admin can view the gallery page.**

**SRS-01**: System shall connect to the database.  
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-42**: System shall provide the user interface to display the gallery page.  
**SRS-43**: System shall separate each album into a list of picture's album link.  
**SRS-44**: System shall provide the thumbnail and the album’s name.

**URS-09: Visitor, Member, and Admin can view pictures of selected album.**

**SRS-02:** System shall provide a menu bar which contains homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-45**: System shall provide user interface to display all pictures in the selected album.

**URS-10: Visitor, Member, and Admin can view the larger size of selected picture.**

**SRS-46**: System shall provide user interface to display the larger size of chosen picture in the album.

**URS-11: Visitor, Member, and Admin can view the contact page.**

**SRS-01**: System shall connect to the database.  
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-47**: System shall provide the user interface to display the contact page.  
**SRS-48**: System shall provide the contact information that contains temple’s address, and phone number.

**USR-12: Visitor, Member, and Admin can view the map page.**

**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-49**: System shall provide the user interface to display the map page.  
**SRS-50**: System shall provide a map interface from Google map.  
**SRS-51**: System shall retrieve the location of the temple.  
**SRS-52**: System shall pinpoint the temple location.

**URS-13: Visitor, Member, and Admin can redirect to the temple’s Facebook fan page.**

**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-53**: System shall redirect to the Facebook fan page.

**URS-14: Member and Admin can login to the Wat Pra Singh web site.**

**SRS-54:** System shall provide the login button on the homepage.  
**SRS-55:** System shall provide a login interface that contain username textbox, password text box, submit button and cancel button.  
**SRS-01**: System shall connect to the database.  
**SRS-56**: System shall receive username and password from the user.  
**SRS-57**: System shall verify username and password.  
**SRS-58**: System shall provide a success message “login success”.  
**SRS-59**: System shall provide user’s feature as the different role (Member and Admin).  
**SRS-60**: System shall redirect to the home page.  
**SRS-61**: System shall display the error message “Username or password are not correct”.

**URS-15: Member and Admin can log out from the Wat Pra Singh web site.**

**SRS-62:** System shall provide the logout link on the menu bar after login complete.  
**SRS-63**: System shall disable user’s feature as the different role (Member and Admin) after log out complete.  
**SRS-60**: System shall redirect to the home page.

**URS-16: Member can send the Dharma question.**

**SRS03:** System shall connect to the database.   
**SRS-64**: System shall provide user interface to display the question form that contains question text box, and submit button.   
**SRS-65**: System shall insert the Dharma question into the database.   
**SRS-66**: System shall provide success message “Your question was sent”.  
**SRS-67**: System shall provide error message “Please fill in the Question”.

**URS-17: Member can receive the activity news from the temple via the registered email.**

**SRS-68:** System shall send the activity announcement to user’s email.

**URS-18: Admin can add the temple’s activities in the update activities page.**

**SRS-69:** System shall provide add button on activity announcement page.  
**SRS-70:** System shall provide user interface to display update activity page that contain the topic title text box, date, time, place of the activity, language radio button, submit button, and cancel button.  
**SRS-71:** System shall record new activity into the database. **SRS-68:** System shall send the activity announcement to user’s email.  
**SRS-72:** System shall display the success message “Add success”.  
**SRS-73:** System shall redirect to the activity announcement page.

**URS-19: Admin can edit the temple’s activities in the update activities page.**

**SRS-74:** System shall provide edit button after the activity title on the activity announcement page.  
**SRS-70:** System shall provide user interface to display update activity page that contain the topic title text box, date, time, place of the activity, language radio button, submit button, and cancel button.  
**SRS-75:** System shall retrieve the activity information from the database.  
**SRS-76:** System shall display the topic title, date, time, and place on the text box.  
**SRS-77:** System shall update the information in the database.  
**SRS-78:** System shall display the success message “Edit success”.  
**SRS-73:** System shall redirect to the activity announcement page.

**URS-20: Admin can delete the temple’s activities in the update activities page.**

**SRS-79:** System shall provide delete button after the activity title on the activity announcement page.  
**SRS-80:** System shall provide confirmation user interface “Are you sure to delete this activity? ”.  
**SRS-81:** System shall delete the activity in the database.  
**SRS-82:** System shall display the success message “Delete success”.  
**SRS-73:** System shall redirect to activity announcement page.

**URS-21: Admins can view unanswered Dharma question.**

**SRS-01:** System shall connect to the database.  
**SRS-02:** System shall provide a menu bar that contain homepage link, activity announcement page link, temple’s history page link, gallery page link, contact page link, Q & A page link, map page link, and Facebook fan page link in every pages.  
**SRS-36**: System shall provide the user interface to display unanswered Dharma question. **SRS-83**: System shall separate each Unanswered Dharma question into the form of post arrange by the latest question date.

**URS-22: Admin can answer the Dharma question in the Question page.**

**SRS-84:** System shall provide the answer button next to the question.  
**SRS-85:** System shall provide user interface to display the answer form that contain textbox, submit button, and cancel button.  
**SRS-86:** System shall add answer into the database.   
**SRS-87:** System shall display success message “Answer success”.  
**SRS-88:** System shall redirect to Q&A page.

**URS-23: Admin can delete the Dharma question in the Question page.**

**SRS-89:** System shall provide the delete button next to the question.  
**SRS-90:** System shall display confirmation user interface “Are you sure to delete this question.”   
**SRS-91:** System shall delete the question in the database.   
**SRS-82:** System shall display success message “Delete success”.  
**SRS-88:** System shall redirect to Q&A page.

**URS-24: Admin can edit the temple’s history page.**

**SRS-92:** System shall provide edit button on the temple’s history page.  
**SRS-93:** System shall provide text field, update button, and cancel button.  
**SRS-94:** System shall retrieve the temple’s history from the database.  
**SRS-95:** System shall display the temple’s history in the text field.  
**SRS-77:** System shall update the information in the database.  
**SRS-78:** System shall display the success message “Edit success”.  
**SRS-99:** System shall redirect to the temple’s history page.