**User Requirement Specification and System Requirement Specification**

**URS-01: Visitor can register to be a member of the Wat Pra Singh web site.**

**SRS-01:** System shall provide register link for visitor on the home page.  
**SRS-02**: System shall provide register page that contain username textbox, password text box, re-password text box, email text box, and submit button.  
**SRS-03**: System shall connect to the database.   
**SRS-04**: System shall verify the input username format that allow only a-z, A-Z.  
**SRS-05**: System shall verify the input username length which allow between 5 -10 characters.  
**SRS-06**: System shall verify existing the input username with the database.  
**SRS-07**: System shall hide character in the password field.  
**SRS-08**: System shall verify the input password format that allow only a-z, A-Z, 0-9.  
**SRS-09:** System shall verify the input password length that allow between 6-12 characters.  
**SRS-10:** System shall verify password and re-password matched.  
**SRS-11:** System shall verify the input email format that allow email format (e.g.[xxx@abcmail.com](mailto:xxx@abcmail.com)).  
**SRS-12:** System shall verify existing the input email with the database.  
**SRS-13:** System shall record all information in the register page into the database.  
**SRS-14:** System shall redirect visitor to the homepage after register complete.  
**SRS-15:** System shall provide a success message “Register is succeeded”.  
**SRS-16**: System shall provide an error message “Username is required. Please input username”.   
**SRS-17**: System shall provide an error message “Password is required. Please input password”.   
**SRS-18**: System shall provide an error message “Re-password is required. Please input Re-password”.   
**SRS-19**: System shall provide an error message “Email is required. Please input Email”.   
**SRS-20**: System shall provide an error message “Username is invalid. Please use only a-z, A-Z”.   
**SRS-21**: System shall provide an error message “Username should be between 5-10 characters”.   
**SRS-22**: System shall provide an error message “Username exists”.   
**SRS-23**: System shall provide an error message “Password is invalid. Please use only a-z, A-Z, 0-9”.   
**SRS-24**: System shall provide an error message “Password should be between 6-12 characters”.   
**SRS-25**: System shall provide an error message “Password and re-password are not matched. Please try again”.   
**SRS-26**: System shall provide an error message “Email is in wrong format. Please try again”. **SRS-27**: System shall provide an error message “Email exists”.

**URS-02: Visitor, Member, and Admin can view the home page of the website.**

**SRS-03**: System shall connect to the database.   
**SRS-28:** 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-29:** System shall provide the user interface to display the home page.   
**SRS-30**: System shall provide a slide show image to display the temple’s area.

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

**SRS-03**: 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-03**: System shall connect to the database.   
**SRS-28:** 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 each activity.**

**SRS-28:** 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 and Member can view the Q&A page.**

**SRS-03**: System shall connect to the database.  
**SRS-28:** 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-03**: System shall connect to the database.  
**SRS-28:** 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-03**: System shall connect to the database.  
**SRS-28:** 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 each activity picture album.**

**SRS-28:** 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 chosen activity album.

**URS-10: Visitor, Member, and Admin can view the larger size of each activity 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-03**: System shall connect to the database.  
**SRS-28:** 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 contain temple’s address, phone number, and email.

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

**SRS-28:** 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-28:** 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, and submit button.  
**SRS-03**: 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, 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, 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 the Q&A page.**

**SRS-03:** System shall connect to the database.  
**SRS-28:** 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 Q&A page. **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.