**User Requirement Specification and System Requirement Specification**

**Visitor:**

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

**SRS-01:** System shall provide register link for visitor on home page.

**SRS-02**: System shall provide register page which 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 which 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 exist the input username with the database.

**SRS-07**: System shall hide character in password field.

**SRS-08**: System shall verify the input password format which allow only a-z, A-Z, 0-9.

**SRS-09:** System shall verify the input password length which allow between 6-12 characters.

**SRS-10:** System shall verify password and re-password matched.

**SRS-11:** System shall verify the input email format which allow email format (e.g. [xxx@abcmail.com](mailto:xxx@abcmail.com)).

**SRS-12:** System shall verify exist 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 is existed”.

**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 is 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 is existed”.

**URS-02: Visitor can view the home page of the website.**

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

**SRS-28:** System shall provide a menu bar which 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 slide show image to display the temple’s area.

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

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

**SRS-31**: System shall provide language button in every pages to switch the language of website between Thai and English.

**SRS-32:** System shall change the web language to the language that user selected.

**URS-04: Visitor can view the activities announcement page.**

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

**SRS-28:** System shall provide a menu bar which 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 list.

**SRS-35**: System shall provide link of each activity named by activity topic that arranged by date of activities for 10 latest topic.

**URS-05: Visitor can view detail of each activity.**

**SRS-28:** System shall provide a menu bar which 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 which contain name of activity, picture, activity date, and activity information.

**URS-06: Visitor can view the Q&A page.**

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

**SRS-28:** System shall provide a menu bar which 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 form of post arrange by the latest answer date.

**URS-07: Visitor can view the temple’s history page.**

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

**SRS-28:** System shall provide a menu bar which 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 can view the gallery page.**

**SRS-03**: System shall connect to the database.  
 **SRS-28:** System shall provide a menu bar which 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 can view all pictures in selected 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-**: System shall provide user interface to display all pictures of the chosen activity album.

**URS-10: Visitor 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 can view the contact page.**

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

**SRS-28:** System shall provide a menu bar which 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 which contain temple’s address, phone number, and email.

**URS-12: Visitor can view the map page.**

**SRS-28:** System shall provide a menu bar which 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 temple.

**SRS-52**: System shall pin point the temple location.

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

**SRS-28:** System shall provide a menu bar which 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.

**Member:**

**URS-14: Member can login as a member to the Wat Pra Singh website.**

**SRS-54:** System shall provide the login button on the home page.

**SRS-55:** System shall provide a login interface which 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 the member’s feature after login.

**SRS-60**: System shall redirect to the home page after login complete.

**SRS-61**: System shall display error message “Username or password are not correct”.

**URS-15: Member can logout from the Wat Pra Singh website.**

**SRS-62:** System shall provide the logout link on the menu bar after login complete.

**SRS-63**: System shall redirect to the home page after logout complete.

**SRS-64**: System shall disable member’s feature after logout complete.

**URS-16: Member can view the home page.**

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

**SRS-28:** System shall provide a menu bar which 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 slide show image to display the temple’s area.

**URS-17: Member can switch website language between Thai and English language.**

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

**SRS-31**: System shall provide language button in every pages to switch the language of website between Thai and English.

**SRS-32:** System shall change the web language to the language that user selected.

**URS-18: Member can view the activities announcement page.**

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

**SRS-28:** System shall provide a menu bar which 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 list.

**SRS-35**: System shall provide link of each activity named by activity topic that arranged by date of activities.

**URS-19: Member can view detail of each activity.**

**SRS-28:** System shall provide a menu bar which 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 which contain name of activity, picture, activity date, and activity information.

**URS-20: Member can view the Q&A page.**

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

**SRS-28:** System shall provide a menu bar which 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 form of post arrange by the latest answer date.

**URS-21: Member can send the Dharma question.**

SRS03: System shall connect to the database.   
  
**SRS-65**: System shall provide user interface to display the question form which contains question text box, and submit button.   
  
**SRS-66**: System shall insert the Dharma question into the database.   
  
**SRS-67**: System shall provide success message “Your question was sent”.  
  
**SRS-68**: System shall provide error message “Please fill in the Question”.

**URS-22: Member can view the temple’s history page.**

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

**SRS-28:** System shall provide a menu bar which 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-23: Member can view the gallery page.**

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

**SRS-28:** System shall provide a menu bar which 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-24: Member can view all pictures in selected 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 of the chosen activity album.

**URS-25: Member 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-26: Member can view the contact page.**

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

**SRS-28:** System shall provide a menu bar which 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 which contain temple’s address, phone number, and email.

**URS-27: Member can view the map page.**

**SRS-28:** System shall provide a menu bar which 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 temple.

**SRS-52**: System shall pin point the temple location.

**URS-28: Member can redirect to the temple’s Facebook fan page.**

**SRS-28:** System shall provide a menu bar which 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-29: Member can receive the activity news from temple via the registered email.**

**SRS-54:** System shall able to send the activity announcement to user’s email.

**Admin:**

**URS-30: Admin can login as an admin to the website.**

**SRS-55:** System shall provide the login button on the home page.

**SRS-56:** System shall provide a login interface which contain username textbox, password text box, and submit button.

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

**SRS-57**: System shall receive username and password from the user.

**SRS-58**: System shall verify username and password.

**SRS-59**: System shall provide a success message “login success”.

**SRS-60:** System shall provide the admin’s feature after login.

**SRS-61**: System shall redirect to the home page after login complete.

**SRS-62**: System shall display error message “Username or password are not correct”.

**URS-31: Admin can logout from the Wat Pra Singh website.**

**SRS-63:** System shall provide the logout link on the menu bar after login complete.

**SRS-64**: System shall redirect to the home page after logout complete.

**SRS-69**: System shall disable admin’s feature after logout complete.

**URS-32: Admins can add the temple’s activities in the update activities page.**

**SRS-70:** System shall provide add button on activity announcement page.

**SRS-71:** System shall provide user interface to display update activity page which contain the topic title textbox, date, time, place of the activity, submit button, and cancel button.

**SRS-72:** System shall record new activity into the database.

**SRS-73:** System shall send the notification to all member’s email.

**SRS-74:** System shall display the success message “Add success”.

**SRS-75:** System shall redirect to the activity announcement page.

**URS-33: Admins can edit the temple’s activities in the update activities page.**

**SRS-76:** System shall provide edit button after the activity title on the activity announcement page.

**SRS-71:** System shall provide user interface to display update activity page which contain the topic title textbox, date, time, place of the activity, submit button, and cancel button.

**SRS-77:** System shall retrieve the activity information from the database.

**SRS-78:** System shall display the topic title, date, time, and place on the text box.

**SRS-79:** System shall update the information into the database.

**SRS-80:** System shall display the success message “Edit success”.

**SRS-75:** System shall redirect to the activity announcement page.

**URS-34: Admins can delete the temple’s activities in the update activities page.**

**SRS-81:** System shall provide delete button after the activity title on the activity announcement page.

**SRS-82:** System shall provide confirm user interface “Are you sure to delete this activity?”.

**SRS-83:** System shall delete the activity in the database.

**SRS-84:** System shall display the success message “Delete success”.

**SRS-75:** System shall redirect to activity announcement page.

**URS-35: Admins can view the Dharma Question page.**

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

**SRS-28:** System shall provide a menu bar which 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-85**: System shall separate each Unanswered Dharma question into form of post arrange by the latest question date.

**URS-36: Admins can answer the Dharma question in the Dharma Question page.**

**SRS-86:** System shall provide the answer button next to the question.

**SRS-87:** System shall provide user interface to display the answer form which contain textbox, submit button, and cancel button.

**SRS-88:** System shall add answer into the database.

**SRS-89:** System shall display success message “Answer success”.

**SRS-90:** System shall redirect to Q&A page.

**URS-37: Admins can delete the Dharma question in the Dharma Question page.**

**SRS-91:** System shall provide the delete button next to the question.

**SRS-92:** System shall display confirm user interface “Are you sure to delete this question”.

**SRS-93:** System shall delete the question in the database.

**SRS-94:** System shall display success message “Delete success”.

**SRS-90:** System shall redirect to Q&A page.

**URS-38: Admins can edit the temple’s history.**

**SRS-95:** System shall provide edit button on the temple’s history page.

` **SRS-96:** System shall provide text field, update button, and cancel button.

**SRS-97:** System shall retrieve the temple’s history from the database.

**SRS-98:** System shall display the temple’s history on the text field.

**SRS-79:** System shall update the information into the database.

**SRS-80:** System shall display the success message “Edit success”.

**SRS-99:** System shall redirect to the temple’s history page.

**URS-39: Admin can redirect to the temple’s Facebook fan page.**

**SRS-28:** System shall provide a menu bar which 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-52**: System shall redirect to the Facebook fan page.

**URS-40: 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 in every pages to switch the language of website between Thai and English.

**SRS-32:** System shall change the web language to the language that user selected.