**User Requirement Specification and System Requirement Specification**

**Visitor:**

**URS01: Visitor can register to be a member of Wat Pra Singh Website.**

SRS0: System shall provide register link for visitor.

SRS : System shall provide register page which include username textbox, password text box, re-password text box, email text box, and submit button.

SRS : System shall verify the input username format which allow only a-z, A-Z.

SRS : System shall verify the input username length which allow between 5 -10 characters.

SRS : System shall verify exist the input username with the database.

SRS : System shall hide character in password field.

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

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

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

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

SRS : System shall verify exist the input email with the database.

SRS: System shall record all information in the register page into the database.

SRS: System shall provide a success message “Register is succeeded”.

SRS : System shall provide an error message “Username is required. Please input username”.

SRS : System shall provide an error message “Password is required. Please input password”.

SRS : System shall provide an error message “Re-password is required. Please input Re-password”.

SRS : System shall provide an error message “Email is required. Please input Email”.

SRS : System shall provide an error message “Username is invalid. Please use only a-z, A-Z”.

SRS : System shall provide an error message “Username should be between 5-10 characters”.

SRS : System shall provide an error message “Username is existed”.

SRS : System shall provide an error message “Password is invalid. Please use only a-z, A-Z,0-9”.

SRS: System shall provide an error message “Password should be between 6-12 characters”.

SRS : System shall provide an error message “Password and re-password is not matched. Please try again”.

SRS : System shall provide an error message “Email is in wrong format. Please try again”.

SRS : System shall provide an error message “Email is existed”.

**URS02: Visitor can view the temple’s pictures in the home page of the website.**

SRS0: System shall provide the user interface to display the home page with the menu bar.

SRS0: System shall provide slide show image to display the temple’s area

**URS03: Visitor can switch website language between Thai and English language.**

SRS0: System shall provide controls (e.g. button) to display the language options which are Thai and English.

**URS04: Visitor can view all activities in the activities announcement page.**

SRS0: System shall connect to the database.

SRS0: System shall provide the user interface to display the activities announcement page which contain menu bar, link of each activity named by activity topic and short description arranged by date of activities.

**URS05: Visitor can view detail of each activity.**

SRS0: System shall connect to the database.

SRS0: System shall provide the user interface to display the activities announcement page which contain menu bar, link of each activity named by activity topic and short description arranged by date of activities.   
 SRS : System shall provide activity detail page.

**URS06: Visitor can view the Dharma Question and answer in the Q&A page.**

SRS0: System shall connect to the database.   
 SRS0: System shall provide the user interface to display Q&A page which contain the menu bar and all Dharma questions with answers.

**URS07: Visitor can view the temple’s history in the history page.**

SRS : System shall provide the user interface to display the history page which contain the menu bar and temple's history information.

**URS08: Visitor can view pictures of each activity in the gallery page.**

SRS : System shall provide the user interface to display the gallery page which contain the menu bar and list of picture's album link.

SRS : System shall provide user interface to display all pictures of the chosen album.

**URS09: Visitor can view the larger size of each activity picture.**

SRS : System shall provide the user interface to display the gallery page which contain the menu bar and list of picture's album link.

SRS : System shall provide user interface to display all pictures of the chosen album.

SRS : System shall provide larger size of chosen picture in the album.

**URS10: Visitor can view the contact page of the website.**

SRS : System shall provide the user interface to display the contact page which contain the menu bar and contact information.

**URS11: Visitor can view the map that shows the route from the current position to the temple.**

SRS : System shall provide the user interface to display the map page which contain the menu bar and map .

SRS : System shall send the geometry information (latitude and longitude) of the user's current location to Google Maps API.

SRS : System shall receive the route information from the current position to the temple by use Google maps.

SRS : System shall display the markers of the Visitor ’ current position and the temple on the map.

SRS-56: System shall pro

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**URS12: Visitor can click to like Facebook fan page of temple.**

**Member:**

**URS13: Member can login as a member to the Wat Pra Singh website.**

**URS14: Member can logout from the Wat Pra Singh website.**

URS14: Member can receive the news from temple via the registered email.

URS15: Members can send the Dharma question by inputting the question on question form.

SRS0: System shall provide web interface to display the question form which contains name text box, question text box, email text box, and submit button.   
 SRS0: System shall connect to the database.   
 SRS0: System shall verify the user’s email in the database.   
 SRS0: System shall add the Dharma question into the database.   
 SRS0: System shall provide success message “Your question was sent”.

**Admin:**

URS16: Admins can login to the website.

URS17: Admins can add the temple’s pictures in the home page.

URS18: Admins can delete the temple’s pictures in the home page.

URS19: Admins can add the temple’s activities in the update activities page.

URS20: Admins can edit the temple’s activities in the update activities page.

URS21: Admins can delete the temple’s activities in the update activities page.

URS22: Admins can view the incoming Dharma question in the Dharma Question page.

URS23: Admins can answer the Dharma question by inputting the answer in the answer form.

URS24: Admins can delete the Dharma question in the Dharma Question page.

URS25: Admins can edit the temple’s history in the update temple history page.

URS26: Admins can add the album of activity pictures.

URS27: Admin can edit the album of activities pictures.

URS28: Admin can delete the album of activities pictures.

URS29: Admin can add the activities pictures into the activity album.

URS30: Admin can delete the activities pictures in the activity album.

URS31: Admins can edit the contact's information in the contact page.

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| **Use case ID** | UC03 |
| **Use case name** | Switch Language |
| **Description** | Visitor can switch website language between Thai and English language. |
| **Actor(s)** | user |
| **Precondition** | - |
| **Post condition** | User see the web in difference language |
| **Normal flow** | 1. User enter to the website. 2. User selects a language in the top right of the web page. 3. System reload the webpage. 4. Web page will change language. |
| **Alternative flow** |  |
| **Exception** |  |

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| **Use case ID** | UC04 |
| **Use case name** | View activities list |
| **Description** | Visitor can view all activities in the activities announcement page. |
| **Actor(s)** | user |
| **Precondition** | - |
| **Post condition** | User see the all of the temple activities. |
| **Normal flow** | 1. User enter to the website. 2. User selects all activity in the activity section. 3. System redirect user to activity list page. 4. User can see the list of temple activity. |
| **Alternative flow** |  |
| **Exception** |  |

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| **Use case ID** | UC05 |
| **Use case name** | View activities |
| **Description** | Visitor can view detail of each activity. |
| **Actor(s)** | user |
| **Precondition** | - |
| **Post condition** | User see the all of the temple activities. |
| **Normal flow** | 1. User selects all activity in the activity section. 2. User selects activity in the list. 3. System redirect user to activity detail page. 4. User can view activity information. |
| **Alternative flow** |  |
| **Exception** |  |

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| **Use case ID** | UC07 |
| **Use case name** | View temple history architecture |
| **Description** | User view temple history |
| **Actor(s)** | user |
| **Precondition** | - |
| **Post condition** | User get information about temple history |
| **Normal flow** | 1. User enter to the website. 2. User click temple history 3. Browser redirect to temple history page. |
| **Alternative flow** |  |
| **Exception** |  |