|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Use Case ID | UC-XX | | | |
| Use Case Name | Search member. | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By | Mr. Apiwat Hantrakool |
| Date Created | 17-04-2017 | | Last Revision Date | 21-04-2017 |
| Actors | Librarian. | | | |
| Description | The librarian can search for a member from the database using keyword and option. | | | |
| Trigger | The librarian clicks “Search member” button. | | | |
| Preconditions | - | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| keyword | String | the length of the keyword. It must not exceed 50 characters. | | Kanatip |
| options | String | [member id, member name, citizen id, telephone number, member status] | | member id |
| Post conditions | If the use case is successful, the list of member is displayed to librarian. If not the system return to home page. | | | |
| Normal Flows | User | | System | |
| 1. |  | | The system shall provide options to search, which is member id, member name, citizen id, telephone number and member status. | |
| 2. |  | | The system shall display the user interface for search the member consisting of 1 text field for keyword. | |
| 3. |  | | The system shall display a button labeled as “Search member”. | |
| 4. | The librarian input keyword to text field. | |  | |
| 5. | The librarian select the options. | |  | |
| 6. | The librarian click “Search member” button. | |  | |
| 7. |  | | The system shall validate the input. [A1: keyword is wrong in format] | |
| 8. |  | | The system shall retrieve the list of member using keyword and option in the is member id, member name, citizen id, telephone number and member status into the database. [A2: member is not matched], [E1: Database cannot be connected], [E2: There is no member in the database] | |
| 9. |  | | The system shall display the list of member at least one member that matches with the keyword. | |
| Alternative Flow | A1: keyword is wrong in format.   * The system shall display the fail message next to the keyword text fields “The format of keyword is not valid”. * Return to normal flows 4.   A2: Book is not matched   * The system shall display the message “There is no member matched with the keyword”. * Return to normal flows 4. | | | |
| Exception Flow | E1: Database cannot be connected.   * The system shall display the fail message “Fail to connect the database”. * Use case ends.   E2: There is no member in the database.   * The system shall display the message “There is no member in the database”. * Use case ends. | | | |
| Assumption | The Librarian must understand English. | | | |