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| Use Case ID | UC-XX | | | | |
| Use Case Name | Search member. | | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By |  | |
| Date Created | 17-04-2017 | | Last Revision Date |  | |
| Actors | Librarian. | | | | |
| Description | The librarian can search for a member from the database using keyword. | | | | |
| Trigger | The librarian click “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 | List of member is displayed to librarian. | | | | |
| 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 librarian select the options. | |  | | |
| 3. |  | | The system shall display the user interface for search the member consisting of 1 text fields for keyword. | | |
| 4. | The librarian input keyword to text fields. | |  | | |
| 5. |  | | The system shall display a button labeled as “Search member”. | | |
| 6. | The librarian click “Search member” button. | |  | | |
| 7. |  | | The system shall validate the input when the librarian clicks “Search member” button by the length of the keyword. It must not exceed 50 characters. [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] , [E2: There is no member in the database], [E1: Database cannot be connected] | | |
| 9. |  | | The system shall display the list of member when there is 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” if the keyword is in the wrong format. * Return to normal flows 2.   A2: Book is not matched   * The system shall display the message “There is no member matched with the keyword” if there is no book that matched with the keyword. * Return to normal flows 2. | | | | |
| Exception Flow | E1: Database cannot be connected.   * The system shall display the fail message “Fail to connect the database” if the database cannot be connected. * Use case ends.   E2: There is no book in the database.   * The system shall display the message “There is no member in the database” if there is no book in the database. * Use case ends. | | | | |
| Assumption | The Librarian must understand English. | | | | |