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| Use Case ID | UC-XX | | | | |
| Use Case Name | Add new member. | | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By |  | |
| Date Created | 17-04-2017 | | Last Revision Date |  | |
| Actors | Librarian | | | | |
| Description | The librarian can add a new member into the system using member id, member name, citizen id, telephone number and member status. | | | | |
| Trigger | The librarian click “Add member” button at home page. | | | | |
| Preconditions | - | | | | |
| Use Case Input Specification | | | | | |
| Input | type | Constraint | | | Example |
| Member name | String | string of length 50. | | | Apiwat Hantrakool |
| Citizen id | int | numeric input only. | | | 1579900690678 |
| telephone | int | numeric input only. | | | 0875652347 |
| Post conditions | The information of member is insert into the database. | | | | |
| Normal Flows | User | | System | | |
| 1. |  | | The system shall display the user interface for adding the book consisting of 3 text fields for member name, citizen id and telephone number. | | |
| 2. | The librarian input member name, citizen id and telephone number to 3 text fields. | |  | | |
| 3. |  | | The system shall display a button labeled as “Add member”. | | |
| 4. | The librarian click “Add member” button. | |  | | |
| 5. |  | | The system shall validate the input. [A1: member name is in the wrong format.], [A2: citizen id is in the wrong format.], [A3: telephone number is in the wrong format.] | | |
| 6. |  | | The system shall auto generate the member id and member status by the following criteria.   * + member id => count form 1 (numeric inputs).   + mem status => active. \*Data list [active, not active]. | | |
| 7. |  | | The system shall add the information of the member including member id, member name, citizen id, telephone number and member status into the database. [E1: Database cannot be connected. | | |
| 7. |  | | The system shall display the success message “The member is stored in the database”. | | |
| Alternative Flow | A1: member name is in the wrong format.   * The system shall display the fail message next to the member name text field “The format of member name is not valid” if the member name is in the wrong format. * Return to normal flows 2.   A2: citizen id is in the wrong format.   * The system shall display the fail message next to the citizen id text field “The format of citizen id is not valid” if the citizen id is in the wrong format. * Return to normal flows 2.   A3: the citizen id is in the wrong format.   * The system shall display the fail message next to the telephone number text field “The format of telephone number is not valid” if the telephone number is in the wrong format. * 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. | | | | |
| Assumption | The librarian must understand English. | | | | |