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| Use Case ID | UC-XX | | | |
| Use Case Name | Add new member. | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By | Mr. Apiwat Hantrakool |
| Date Created | 17-04-2017 | | Last Revision Date | 22-04-2017 |
| Actors | Librarian | | | |
| Description | The librarian can add a new member into the system using member name, citizen id, and telephone number. | | | |
| Trigger | The librarian clicks “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 | If the use case is successful, the information of member is inserted into the database. If not the system return to home page. | | | |
| Normal Flows | User | | System | |
| 1. |  | | The system shall display the user interface for adding the member consisting of 3 text fields for member name, citizen id and telephone number. | |
| 2. |  | | The system shall display a button labeled as “Add member”. | |
| 3. | The librarian input member name, citizen id and telephone number to 3 text fields. | |  | |
| 4. | The librarian clicks “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 input).   + member status => 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. | |
| 8. |  | | 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”. * Return to normal flows 3.   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”. * Return to normal flows 3.   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. * Return to normal flows 3. | | | |
| Exception Flow | E1: Database cannot be connected.   * The system shall display the fail message “Fail to connect the database”. * Use case ends. | | | |
| Assumption | The librarian must understand English. | | | |