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| Use Case ID | UC-XX | | | |
| Use Case Name | Update information of member. | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By | Mr. Apiwat Hantrakool |
| Date Created | 16-04-2017 | | Last Revision Date | 22-04-2017 |
| Actors | Librarian. | | | |
| Description | The library can update details of a member, which are member name, citizen id, member status and telephone number. | | | |
| Trigger | The librarian clicks “Update member” button next to the information of member. | | | |
| Preconditions | The librarian found the member. | | | |
| 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 |
| member status | String | Select one of this set [active, not active] | | active |
| Post conditions | The information of member is updated into the database. | | | |
| Normal Flows | User | | System | |
| 1. |  | | The system displays the user interface for updating the book consisting 3 text fields, which are member name, citizen id and telephone. And 1 data list which is member status. | |
| 2. |  | | The system shall display a button labeled as “Update member”. | |
| 3. | The librarian input information to every text fields and data list. | |  | |
| 4. | The librarian clicks “Update 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 display a confirmation box with message “Are you confirm to update this member” and “Yes” button and “No” button. | |
| 7. | The librarian click “Yes” button. [E1: Clicks “No” button] | |  | |
| 8. |  | | The system shall update the information of the member including member name, citizen id, member status and telephone number of the member into the database. | |
| 9. |  | | The system shall display the success message “The input is stored in the database”. [E2: Database cannot be connected] | |
| 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: Click “No” button.   * Use case ends.   E2: 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. | | | |