|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Use Case ID | UC-XX | | | | |
| Use Case Name | Create a new category. | | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By |  | |
| Date Created | 17-04-2017 | | Last Revision Date |  | |
| Actors | Librarian | | | | |
| Description | The librarian can create a new category into the system using category id, category name and category status. | | | | |
| Trigger | The librarian click “Create category” button. | | | | |
| Preconditions | - | | | | |
| Use Case Input Specification | | | | | |
| Input | type | Constraint | | | Example |
| category name | String | string of length 20. | | | Math |
| Post conditions | The category is stored in the database. | | | | |
| Normal Flows | User | | System | | |
| 1. |  | | The system shall display the user interface for adding the category consisting of 1 text fields for category name. | | |
| 2. | The librarian input information to text fields. | |  | | |
| 3. |  | | The system shall display a button labeled as “Create category.” | | |
| 4. | The librarian click “Create category” button. | |  | | |
| 5. |  | | The system shall validate the input when the librarian clicks “Create category” button by the following criteria. [A1: category name is wrong format.] | | |
| 6. |  | | The system shall auto generate the category id and category status by the following criteria.   * + category id => count from 1 (numeric input).   + category status => active. \*Data list [active, not active]. | | |
| 7. |  | | The system shall add the information of the category including category id, category name and category status into the database. [E1: Database cannot be connected.] | | |
| 8. |  | | The system shall display the success message “The category is stored in the database”. | | |
| Alternative Flow | A1: category name is wrong format.   * The system shall display the fail message next to the category name text field “The format of category name is not valid” if the category name 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. | | | | |