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| Use Case ID | UC-XX | | | |
| Use Case Name | Create a new category. | | | |
| 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 create a new category into the system using category name. | | | |
| Trigger | The librarian clicks “Create category” button at home page. | | | |
| Preconditions | - | | | |
| Use Case Input Specification | | | | |
| Input | type | Constraint | | Example |
| category name | String | String of length 20. | | Math |
| Post conditions | If the use case is successful, the category is stored in 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 category consisting of 1 text field for category name. | |
| 2. |  | | The system shall display a button labeled as “Create category.” | |
| 3. | The librarian input information to text field. | |  | |
| 4. | The librarian clicks “Create category” button. | |  | |
| 5. |  | | The system shall validate the input. [A1: Text field is empty] | |
| 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. | |
| 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: Text field is empty   * The system shall display the fail message “Text field must not be empty”. * 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. | | | |