**Use case: Anministrator’s Operation**

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| **Use case: Anministrator’s Operation** |
| **ID**: UC3 |
| **Specification**: This use case allows the administrator to check user’s suggestions or look for the statistic laws to determine whether to buy new books or increase some books or decrease some special book’s inventory. |
| **Actors**: Administrator |
| **Pre-condition**: The administrator already login. |
| **Flow of events**:  When the administrator login successfully, the use case begins;  1. The administrator first check the message to find whether to change some books’ inventory or not.  2. Then, after receiving information from users and statistic laws, the administrator know whether to decrease or increase or buy new books.  3. After that, the administrator change the book inventory information and change the storage.  4. Then, give the increased books or new books labels, index and catalogue them and place them in right place.  4. The administrator ends his works, the use case ends. |
| **Alternative flow**:  After checking messages, the administrator may find that there’s nothing to do, then the use case should end immediately. |
| **Post-conditions**: After successfully operate, the library’s book inventory has changed, the users may find more books and have more convenient experience and the administrator should wait the next change. |

**Use case: User give suggestions**

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| **Use case: User give suggestions** |
| **ID**: UC4 |
| **Specification**: This use case allows users to give some suggestions depend on their experience. |
| **Actors**: Public users |
| **Pre-condition**: Public users should use the library and book management system beforehand and have some experience to put forth. |
| **Flow of events**:  The use case begins when the public user login successfully.  After the users submit their suggestions, this use case ends. |
| **Alternative flow**:  The users may find that there is no need to give such a suggestion for the reason that the suggestion is hard to implement or the suggestion is only depend on his own experience and there is no commonality in others. |
| **Post-conditions**: After giving suggestions, the administrator should login to handle the suggestions. |

**Glossary**

**Users**

A person who can use this system but have no permissions to change the system.

**Administrator**

A person who has permission to create and delete accounts or change the book information in the system. In this system, the decrease or increase of books are all executed by the administators.

**Suggestions**

Some advice that carried out by the users, which will bring more convenient experience to users if the advice is adopted.