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Library Management System
Use-Case Model

Version 1.0

Revision History

Date	Version	Description	Author
20/03/2018	1.0	First attempt to write the Use-Case Model	Boros Hanniel

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Use-Case Model

1. Use-Cases Identification

Actors of the Library Management System:
Library members (customers),
Library Admin (Library Administration).

Use cases of a library customer:
- update personal profile
- view personal profile
- View issued books
- browse library/search a book (based on criteria)

Use Cases of the Admin (besides the above mentioned ones):
- add/register new member
- update member profile
- delete member profile
- view member profile
- Ban member
- Add new book
- Edit information about new book
- Issue a book to a member
- Resubmit book from a member
- Browse library/search a book (based on criteria)

Some examples of relevant use cases:

Use case: add a new customer (library member)
Level: user-goal level
Primary actor: Admin
Main success scenario:
Admin selects from menu "Add/Register new member".
Admin enters client's personal information.
Admin selects "Finish Registration" button.
Admin waits for a short period of time, while the database is updating.
Admin will be notified about the success of the operation.
Extensions:
Alternate scenario for failure:
If connection to database fails for some particular reasons, or an Exception is encountered, the information may not be successful.

Use case: add new book
Level: sub-function
Primary actor: Admin
Main success scenario:
Admin selects from menu "Add/Register new book".
Admin enters book's information.
Admin selects "Finish Registration" button.
Admin waits for a short period of time, while the database is updating.
Admin will be notified about the success of the operation.
Extensions:

Alternate scenario for failure:

If connection to database fails for some particular reasons, or an Exception is encountered, the operation may not be successful.

Use case: View issued books
Level: user-goal level
Primary actor: Library member (customer)
Main success scenario:
User selects from menu "View issued books".
User waits for a short period of time, while the database is updating.
User will be shown the list of issued books.
Extensions:
Alternate scenario for failure:
If connection to database fails for some particular reasons, or an Exception is encountered, the operation may not be successful.

2. UML Use-Case Diagrams