

Library Book Management Database

Group-5

GitHub Link: - https://github.com/YanrongHuang/DAMG6210_Group5

Background:

A Library Management System (LMS) is software designed to manage a library's primary housekeeping functions. Libraries use library management systems to keep track of their asset collections and interactions with their patrons. LMD assists librarians in maintaining a database of new and borrowed books, as well as their due dates. LMD assists libraries in keeping track of books and their checkouts, as well as subscriptions and profiles of members. It's also used for keeping track of library records. It keeps track of how many books are in the library, how many are issued, how many books are returned or renewed, and how much late fine money is owed.

Scope/Overview

In this project we are going to design database for Northeastern University Library. It enables the students to search and borrow book online. It also allows the student to reserve a book and get notification when they pass the due date. Only Northeastern University staff and students can use this library. If people borrow more than 3 book from the library or don't return the book on time, library will deny the access of library and need to contact student services.

Purpose:

- Any library patron should be able to search for books by title, author, subject category, and publication date.
- The system should be able to keep track of information such as who took which book.
- The number of books a member can check out should be limited to three (3).
- Members should be allowed to make reservations for books.
- When reserved books become available, as well as when the book is not returned by the due date, the system should be able to send notifications.
- The library is only accessible to University students and personnel.

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