Library Book Management Database

Group-5

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

Background:

A Library Management System is a software built to handle the primary housekeeping functions of a library. Libraries rely on library management systems to manage asset collections as well as relationships with their members. LMD helps librarians maintain a database of new books and books borrowed by members and their due dates. LMD help libraries keep track of the books and their checkouts, as well as members' subscriptions and profiles. It is also used to maintain library records. It tracks the records of the number of books in the library, how many books are issued, or how many books have been returned or renewed or late fine charges.

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 member should be able to search books by their title, author, subject category as well by the publication date.
- The system should be able to track information like who took a particular book.
- There should be a maximum limit (3) on how many books a member can check-out.
- Members should be able to reserve books.
- The system should be able to send notifications whenever the reserved books become available, as well as when the book is not returned within the due date.
- Only University student and staff can access the library

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