



Deliverable 1 : Project Description

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Name

The name of our exciting project !

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01

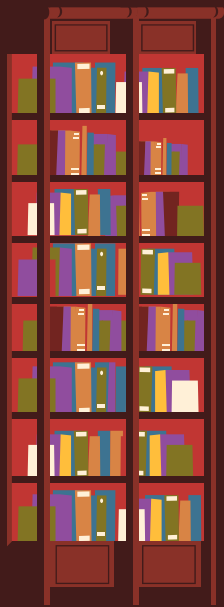
Complete Library

An all-in-one Library!

- ★ **Comprehensive Management**
Offers full control over library operations, managing media, loans, renewals, returns, and fees.
- ★ **Supports All Media Types**
Handles books, movies, audiobooks, and magazines, catering to diverse user needs.
- ★ **Features for Users & Librarians**
Allows librarians to manage media and generate reports, while users can search, track history, and manage accounts.
- ★ **Clear and Easy to Use**
A straightforward system covering all aspects of library management.
- ★ **Automation & Efficiency**
Automates late fees, loan tracking, and reporting for smooth library operations.



- ★ **Complete Library** is a full management system for libraries.
- ★ Supports all media types: **books, movies, audiobooks, and magazines.**
- ★ **Librarians** can add, remove, and update media details.
- ★ **Users** can search by title, author, or ISBN, track borrowing history, and view featured books by genre.
- ★ Tracks loans, **renewals, returns, holds,** and **administers late fees.**
- ★ Users with **outstanding fees** cannot rent new items until paid.
- ★ Generates **reports on media usage**, showing popular books, authors, and genres.



02 Scenario

Librarian

- ★ Add and remove books
- ★ Change the details of an existing book
- ★ Issue a books
- ★ Give a late fees
- ★ Generate a report to view loaned books' history
- ★ View members history

03 Design Paradigm



Library Member

- ★ Search, loan or hold a book
- ★ Return and renew books
- ★ Pay a late fee if needed
- ★ View the complete catalog
- ★ View personal history

Expected Output



- ★ **Late Fees**
Automatic daily late fees for overdue items; users with unpaid fees cannot borrow new media.
- ★ **Media Holds**
Items on hold are flagged; users receive notifications when available for pickup.
- ★ **Account Management**
Users get email confirmation upon registration, with a dashboard for current loans, due dates, and borrowing history.
- ★ **Featured Books**
Dynamic "Featured" section displays top media by genre, updating with popular or new items.



- ★ **Reports for Librarians**
Generate detailed reports on book usage, borrowings, and user engagement; exportable as PDFs or CSVs.
- ★ **Book Updates**
Immediate reflection of updates (title, description) with an activity log for auditing.
- ★ **Outstanding Fees Notification**
Transactions blocked for users with unpaid fees; payment link provided.
- ★ **Renewals**
System checks for holds; if none exist, items are renewed and due dates updated.
- ★ **Overdue Notifications**
Automatic email reminders for overdue items, detailing daily late fees until returned.





Conclusion



Repository Link: [lalingo08/Complete_Library_Project\(github.com\)](https://github.com/lalingo08/Complete_Library_Project)



