



Requirement Analysis

Project: Library Books Management System

App Name: Librasphere, BookShelf

Target Audience:

- ✓ Book Readers
 - ✓ Librarians
 - ✓ Colleges, Universities & Public Libraries
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Type of Application:

- 📌 **B2C** – Public book readers
 - 📌 **B2B** – Colleges, Universities, Public Libraries
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Timeline:

🕒 **1–2 months (MVC Version)**

Total Members:

👤 **1 Member (You)**

USP:

📖 **Book arrangement, issuing, returning, tracking, fines, and reader management — all in one platform.**

No manual registers, no confusion, everything digitized.



Features



User (Reader) Features

- Create Account / Login (Reader)
 - Update profile & membership details
 - Search books by author, title, category, ISBN
 - View book availability status (Available/Issued/Reserved)
 - Borrow books online or request reservation
 - Track due dates for borrowed books
 - Receive reminders for return deadlines
 - View fine amount (if overdue)
 - Rate books & write short reviews
 - View reading history / borrowed books list
 - Wishlist books they want the library to add
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Librarian Features

- Login & profile update
 - Add new books to system (title, author, ISBN, category, publisher, stock)
 - Remove books or mark damaged/lost
 - Manage book inventory & stock
 - Issue books to readers
 - Accept book returns & update system
 - Calculate automatic fines for late return
 - Manage book reservations
 - View list of active users & borrowed books
 - Generate reports (Daily/Weekly/Monthly issue count)
 - Send reminders for overdue users
 - Approve or reject new membership requests
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Admin Features

- Login screen with default credentials
 - Add / Remove Librarians
 - View list of all readers and librarians
 - Manage book categories (Science, Literature, Coding, etc.)
 - Approve / Deactivate user accounts
 - System backup & data export
 - Audit logs
 - Control library rules (Max books per user, fine rate per day)
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Project Plan

✓ Admin Panel

- Default login credentials
 - Add/Remove Librarians
 - Dashboard with total books, total members, borrowed count
 - Category management (Add / edit / delete)
 - View & manage readers
 - Set fine amount & policy
 - Export reports or logs
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✓ Librarian Panel

- Login screen
- Update credentials
- Dashboard with book list & readers
- Add new books (with ISBN search or manual entry)
- Record returns
- Apply fines (auto-generated or manual override)
- Manage reservations
- View stock, damaged or missing books
- Contact users via email notification

Reader Panel

- Login/Register screen
 - Update profile
 - Search & filter books
 - Request borrow or reserve
 - View due dates & fine amount
 - View reading history
 - Wishlist / suggestions
 - Review or rate books
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