| **ID** | **Requirement** | **MoSCoW** | **Justification** |
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| LIB-FR-01 | The system must allow librarians to add new books to the database. | Must | Core feature for maintaining book inventory. |
| LIB-FR-02 | The system must allow updating existing book information. | Must | Keeps data accurate and up to date. |
| LIB-FR-03 | The system must allow deleting outdated or lost books. | Should | Ensures clean database and current inventory. |
| LIB-FR-04 | The system must allow users to search for books by title, author, or ISBN. | Must | Essential for usability and quick access. |
| LIB-FR-05 | The system must store member details (name, ID, contact). | Must | Needed for issuing and tracking loans. |
| LIB-FR-06 | The system must record borrowing and returning transactions. | Must | Tracks circulation of books. |
| LIB-FR-07 | The system should send notifications for overdue books. | Should | Improves user communication and compliance. |
| LIB-FR-08 | The system must allow reservation of books currently on loan. | Should | Enhances user satisfaction and queue handling. |
| LIB-FR-09 | The system must maintain a log of all book issues and returns. | Must | Provides audit trail for accountability. |
| LIB-FR-10 | The system should allow fines to be calculated automatically for overdue items. | Should | Simplifies fee management. |
| LIB-FR-11 | The system must provide admin access for managing users and roles. | Must | Ensures proper access control and security. |
| LIB-FR-12 | The system could integrate with barcode or RFID scanners for faster check-in/out. | Could | Increases efficiency. |
| LIB-FR-13 | The system must allow report generation (daily, monthly circulation). | Should | Useful for management insights. |
| LIB-FR-14 | The system should store book categories and subjects. | Should | Enables advanced filtering and analytics. |
| LIB-FR-15 | The system must support student and staff user roles with different privileges. | Must | Ensures access separation. |
| LIB-FR-16 | The system could allow importing/exporting data in CSV or Excel format. | Could | Facilitates backups and migrations. |
| LIB-FR-17 | The system must maintain login authentication and password protection. | Must | Prevents unauthorized access. |
| LIB-FR-18 | The system must record supplier/publisher information for each book. | Should | Helps procurement and tracking. |
| LIB-FR-19 | The system should allow bulk book uploads through spreadsheet import. | Could | Saves librarian time. |
| LIB-FR-20 | The system must ensure data integrity when multiple users access simultaneously. | Must | Prevents corruption and ensures consistency. |