User Authentication and Authorization:

Implement user registration and login functionality for staff, students, and librarians.

Implement role-based access control to differentiate between staff, students, and librarians.

Booking System:

Allow staff and students to log in and register a booking for a specific book on a particular date.

Check the availability of the book for the selected date.

Librarian Functions:

Allow librarians to add new books to the system.

Enable librarians to delete books from the system.

Provide a view for librarians to see all book transactions, including who has issued a book and when.

Book Transactions:

Create a database table to store book transactions, including information about who borrowed the book, the issue date, and the return date.

Implement a mechanism to mark books as "issued" when a student or staff member borrows a book.

Fine System:

Calculate fines for books not returned within 7 days.

Implement a mechanism to apply fines to the user account.

Reissue Functionality:

Allow users to request reissue of a book if needed.

Implement a limit on the number of reissues per book.

User Interface:

Design a user-friendly interface for all user types (staff, students, librarians) to interact with the system.

Reports:

Create reports for librarians to view overdue books, fines collected, and other relevant statistics.

Email Notifications:

Implement email notifications to remind users of upcoming due dates and notify them about fines.

Security:

Implement secure coding practices to protect against common web application vulnerabilities.

Logging:

Implement logging to track system activities, errors, and security-related events.