

Business Requirements Document (BRD)

HH Library Management System (Beginner Tier)

1. Project Overview

The HH Library Management System is a simple web-based application that allows users to manage books in a library. The system enables users to search for books, borrow and return books, and receive overdue notifications. Administrators will manage adding, updating, and removing books from the inventory. This project follows the Beginner Tier scope outlined in the Capstone project.

2. Objectives

- User Management: Users can register, log in, and authenticate.
 - Book Search: Users can search books by title, author, or category.
 - Borrow & Return: Users can borrow and return books, with borrowing limits.
 - Admin Management: Administrators can add, update, and delete books.
 - Overdue Notifications: Users will receive basic overdue reminders
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3. Stakeholders

- Library Users: Individuals who search, borrow, and return books.
 - Administrators: Library staff managing book inventory.
 - Developers (Learners): Responsible for building and maintaining the system.
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4. Scope

In Scope:

- User authentication (registration & login)
- Book search functionality (by title, author, category)
- Borrowing & returning books
- Admin book management (add, update, delete books)
- Overdue notifications

Out of Scope:

- Multi-library branch support
 - Book reservations
 - Third-party API integration
 - Advanced reporting and analytics
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5. Assumptions & Constraints

- This project is strictly for educational purposes.
 - The system will be built using Eclipse/Spring Boot (Backend), Visual Studio/React (Frontend), and MySQL (Database).
 - Security is basic and not production-ready.
 - The application will run on localhost:8080 for backend services.
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