Business Requirements Document (BRD) - version 1

# Project Overview

The Library Management System is crafted to offer a user-friendly web-based platform for overseeing library operations. This system enables users to search for books, borrow and return them, view borrowing history and receive notifications about overdue items. Librarian, members and borrowing/returning processes can manage the book inventory.

## Objectives

* Enable users to register, log in, and search for books
* Allow users to borrow and return books.
* Allow users to track their borrowing history
* Provide administrative functions for managing books and members (create, update, delete).
* Alert users regarding overdue books.

## Stakeholders

* End Users: Library members who want to search, borrow, and return books.
* Administrators: Library staff managing the inventory and members.
* Higher management: Viewing reports, and statistics (future enhancement)
* IT support: Learners building and maintaining the system.

## Scope

* In Scope: User authentication, book search, borrowing/returning books, admin book management, due-date / overdue notifications, setting policies,
* Out of Scope: Advanced features such as muli-branch management, reservation systems, integration with third-party APIs and reports /statistics.

## Assumptions & Constraints

* The target user is school libraries
* The project is for educational purposes
* The implementation uses MySQL 8+, Spring Boot, React 18, Git for version control
* Data security is simplified for learning purposes