Software Requirements Specification (SRS)

Library Book Management System

1. Introduction

1.1 Purpose

This document specifies the functional and non-functional requirements
for the Library Book Management System.

1.2 Scope

The system enables librarians to manage books, issue and return books,
and track available copies.

2. Overall Description

2.1 Product Perspective

The system is a standalone application intended for small libraries.

2.2 User Classes

- Librarian

3. Functional Requirements

FR1: The system shall allow adding new books with a unique Book ID.

FR2: The system shall allow issuing a book if copies are available.

FR3: The system shall allow returning issued books.

FR4: The system shall display a list of all books with availability.

4. Non-Functional Requirements

NFR1: The system shall respond to user actions within 2 seconds.

NFR2: The system shall prevent duplicate Book IDs.

5. Constraints

- Implemented using Java.

- Runs on standard desktop environments.

6. Assumptions

- Single-user access.

- No concurrent book issuing.