

# Library Management System



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# Online System for National School Libraries

## 1. Introduction

### 1.1 Purpose

The main purpose of this web application is to enhance the efficiency and effectiveness of managing school libraries across Sri Lanka. It aims to minimize book wastage, improve accessibility to educational resources, provide necessary equipment and knowledge for students and teachers, and enhance overall educational productivity.

### 1.2 Scope

The scope of this project covers the development of a comprehensive software solution aimed at addressing the specific needs of Sri Lankan national school libraries. It includes functionalities for inventory management, quality control, distribution logistics, and student and teacher engagement.

### 1.3 Product Perspective

This web application system will integrate with existing library management systems and databases. It will provide a user-friendly interface for stakeholders involved in the library supply chain, including students, teachers, librarians, and government agencies.

## 1.4 Product Functions

Key functions of the web application include:

- Inventory management
- Quality assurance (QA)
- Distribution, planning, and tracking of books and other educational resources
- Student and teacher registration and engagement
- Reporting and feedback mechanism
- Government advisory services for libraries

## 1.5 User Characteristics

Users of the application will include students, teachers, librarians, government officials, advisers, and administrative staff involved in educational management. The application will be user-friendly, and users with different levels of technical expertise will be able to use it effortlessly.

## 1.6 Limitations

While the web application aims to optimize library management processes, there may be limitations such as network connectivity issues, data accuracy dependencies, and regulatory constraints.

## 1.7 Assumptions and Dependencies

With the development of this application, creators assume access to reliable data sources, cooperation from relevant stakeholders, and adherence to regulatory requirements governing library management and education in Sri Lanka.