

Library management system

Library Management System

1. Introduction

1.1 Purpose: The document serves as a guide for requirement specifications for developing library management system.

1.2 Scope: It defines overall working and functionality, performance, functional and non functional attributes for library management system.

1.3 Overview: LMS software designed to automate and efficient way of operations like inventory management, cataloging.

2. General description: The library management system will take care of current book detail at any point of time, will update the book details automatically.

Functional requirement:

Cataloging: Based on books, journals.

Circular management: Seamless access to library materials ensuring management of resources.

Reservation management.

4. Interface requirement
 - Payment gateway
 - Merchant dashboard
5. Performance requirements
 - Minimal response time
 - Low error rate
 - High scalability
6. Design constraints:
 - Compliance
 - Secure handling of payment card.
7. Non functional attributes:
 - Security
 - Reliability
 - Data integrity
8. Preliminary schedule and budget
 - Development timeline : 6 months
 - Estimated budget : \$100000

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