

05-04-24

Library Management System

Problem Statement:-

The purpose of a library management system is to provide instant and accurate data regarding any type of book, thereby saving a lot of time and effort.

SRS

1. Introduction

1.1 Purpose of the Document:

The document serves as guide for the requirement specification for developing library Management System (LMS).

1.2 Scope of the Document:-

The document defines the overall working and main objectives of LMS.

1.3 Overview :- LMS is a software designed to automate & stream line library operation like circulation

, cataloging, inventory management.

2. General Description

- User Characteristics → Designed based on size & req. of library.
- Objective of user.
- Cataloging, circulation management, patron registration.

3. Functional Requirements

- Cataloging → based on books, journals, multimedia.
- Circulation management.
- Reservation and Hold Management.

4. Interface Requirements

- User Interface
- Database Interface
- Integration Interface

5. Performance Requirements

- Response time, Scalability, Reliability, Data Integration.

6. Design Constraints

- Software compatibility over various OS & DBMS.
- Data security - protect library data from unauthorized entities.

7. Non function Attributes

- Security, Portability, Reliability, Scalability.

8. Preliminary Schedule & Budget

- Requirement gathering, Design, & Architecture Development, Testing & Quality Assurance,

store
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Deployment and post launch support

The expected time is 5 months with an budget of
\$150,000 to \$200,000.