

• LIBRARY MANAGEMENT System

Problem Statement: A library management system must facilitate updated record maintenance of all library resource. It must manage all user details, resources and subscriptions in lib.

1. Introduction:

1.1. Purpose:

Outline the specs and requirements necessary for SRS of library management. It serves as guide for development team, stakeholders, etc.

1.2. Scope:

main objectives of library management system:

- development cost & estimates

1.3. Overview:

A summary & review of library management:

Maintains memory resources for all materials

System should maintain a record.

2. General Description

The LMS must maintain a record of all available resources.

(books, journals, research papers). It must also maintain a

record of which book was borrowed by which user.

It must also include all interfaces for registering new users.

3. Functional Requirements

- New user registration
- Searching for resources
- Alert mail to defaulters.
- user & validation

4. Interface requirements

- user interface
- Database interface
- Integration interface

3. Performance requirements

- response time
- scalability
- reliability
- data integration

6. Design constraints

- software compatibility over various OS & DBMS.
- data security: protection of library data.

7. Nonfunctional attributes

- Portability, Reliability, scalability

8. Preliminary schedule and budget

There are multiple phases such as requirements gathering, design and architecture, development, testing and quality assurance.