

## 3) SRS for Library Management System [LMS]

- Goal: Develop a software Interface for LMS.

- 1. Introduction:

→ Purpose: Clarifies the necessity of SRS document as a guide for development team, stakeholders & project participants.

→ Scope: Describes the objectives & value proposition of the library management system, including estimated development costs & timeframes.

→ Overview: Provides a brief summary of LMS & its key functionalities.

- 2. General Description:

Gives a broad overview of the Library Management System, including its functions, objectives, user characteristics & benefits.

- 3. Functional Requirements:

Specifies the essential functions of the Library Management System must perform, prioritizing them based on importance.

- 4. Interface Requirements:

Details how the system communicates with users, other software and external devices through user interfaces & system interfaces.

- 5. Performance Requirements:

Specifies performance expectations such as the response time, scalability & reliability under various conditions.

### 6. Design Constraints:

Outlines the limitations or restrictions that development team must consider when designing the system.

### 7. Non-Functional Attributes:

Defines qualities essential for the system's overall performance & usability such as security, reliability & scalability.

### 8. Preliminary Schedule & Budget:

Provides an initial development plan, including timelines & budget estimates for different project phases.