

Library Management System

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Problem statement:

The current library management process lacks efficiency and scalability, leading to difficulties in tracking book inventory, managing member accounts & facilitating smooth transaction.

Purpose of this document

This section clarifies why SRS document is necessary. It serves as a guide for development team, stakeholders and anyone involved in the project, outlining the objective and scope.

Scope of this Document

Here, the overall working and main objectives of library management system are described. It outlines what value of system will provide to customers and stakeholders.

Overview

This section provides summary or high level review of library management system.

Functional Requirements

It describes the specific functions or capabilities that the library management system must perform. This includes actions such as cataloguing books, managing users, handling circulation and generating reports.

Interface Requirement

- Describes how the library management system should perform under conditions with other software systems and external devices.
- This includes both UI and system interfaces for integration with external database and hardware like barcode scanners.

Performance requirements

It specifies how the library management system should perform under various conditions. This includes factors such as response time, scalability and system reliability.

Design Constraints

It outlines any limitations or restrictions that the development team must adhere to when designing the library management system.

Non-functional Attributes

Non-functional Attributes are qualities of the library management system that are not directly related to specific functions. Attributes like security, reliability and scalability.

Preliminary Schedule and Budget

This section provides an initial plan for the development of library management system including a timeline and budget estimates.