

3 Library System

a) Problem Statement :

The current library management process lacks efficiency & stability, leading to difficulties in tracking book inventory, managing member acc & facilitation smooth transaction.

b. Purpose of this Document :-

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

c. Scope of development

It outlines what value of system will provide to customers & stakeholders along with estimates of development cost & time.

d. Overview

This section provides a summary / high level view of the library system.

e. General description

This section provides a broad overview of system including its general functions, user characteristics, features & benefits. It sets the stage for a deeper understanding of the system.

f. functional Requirements.

It describes the specific functional capabilities that the system must perform. This includes actions such as cataloging books, managing users, handling circulation transaction & generating reports.

g. Interface Requirements.

It includes details, how the system communicates with users, other software systems and external devices, this includes both user interface for interacting with the system and system interfaces for integration with external databases.

h. Performance Requirements

Specify how the system should perform under various conditions. This includes factors such as response time, scalability & system reliability.

i) Design Constraints.

Outline any limitations, restrictions that the development team must adhere to when designing the system. This could include platform compatibility req, hardware limitations.

j. Budget.

This section provides an initial plan for development of the system, including a timeline & Budget estimates. It outlines the phases of the project.