

1 INTRODUCTION

1.1 PURPOSE

This Software Requirement Specification (SRS) document provides a complete list and description of all the functions and specifications of the Library Information System (LIS).

The software is meant to hold the records of the books and the users and to provide the functionality of issuing and returning books. Apart from that the users can also request to reserve a required book if available in the library.

The expected audience of this document are Library clerk , librarian of an institute and the developer of the software.

1.2 DOCUMENT CONVENTIONS

The conventions used in the document are given as follows

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1.3 INTENDED AUDIENCE

The intended readers of this document are the developers of the software, testers, library owners and managers and coordinators. Any suggested changes on the requirements listed on this document should be included in the last version of it so it can be a reference to developing and validating teams.

1.4 SCOPE

LIS is a GUI tool that enahnces the manual process of keeping records in a library. This is an application which has been designed keeping in mind that it is meant to run on Library computers and to allow the library to keep a track of the books present. It allows the users to check availability whenever they want. It also allows the users to reserve a book in advance if needed. The librarian is able to keep a record of the overdue books, add new books, dispose old data, add new member or delete a member.

It is a powerful but still functionally simple library management software for big libraries and can provide a free easy-to-use system for rising libraries.

1.5 REFERENCES

The following references have been consulted to make a suitable and effective software for library information system.

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2 OVERALL DESCRIPTION

- 2.1 Product Perspective**
- 2.2 Product Features**
- 2.3 User Classes and Characteristics**
- 2.4 Operating Environment**
- 2.5 Design and Implementation Constraints**
- 2.6 User Documentation**
- 2.7 Assumptions and Dependencies**

3 SYSTEM FEATURES

- 3.1 System Feature 1**

4 EXTERNAL INTERAFCE REQUIREMENTS

- 4.1 User Interfaces**
- 4.2 Hardware Interfaces**
- 4.3 Software Interfaces**
- 4.4 Communication Interfaces**

5 OTHER NONFUNCTIONAL REQUIREMENTS

- 5.1 Performance Requirements**
- 5.2 Safety Requirements**
- 5.3 Security Requirements**
- 5.4 Software Quality Requirements**

6 OTHER REQUIREMENTS