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Introduction

The document aims at defining the overall software requirements for Book store Inventory system. Efforts have been made to define the requirements exhaustively and accurately.

Purpose

The aim of this document is to explain the functionality of the project developed for Book Store.

It is the outcome of rigorous consideration of the requirements of the customer, by the various groups.

This document will provide a baseline for design of the database, user interfaces, coding & evaluation of test plans. It will be used as a solid foundation for continued product evaluation.

Scope

Bookstore is the place where the people will be able to get the books of their choice at reasonable price. There can be various kinds of books available at the book store. But if it is the giant bookstore then the management of it will be very difficult.

The software system being produced is called Book Store Inventory System. It is being produced for a maintaining inventory details of books in bookstore via the Internet. The Book Store Inventory System will allow admin user to add Book Store Manager and also it will allow Manager to manage Inventory.

The system also allows a manager to manage the inventory with full create,

retrieve, update and delete functionality with regards to books in the system.

Definitions, Acronyms, and Abbreviations

- SRS: Software Requirements Specifications
- BIS: Book -Store Inventory System
- Admin: User having the privileges to operate BIS.
- Manager: User will operate on inventory functionalities of BIS.

References for Requirement Analysis and Design

- IEEE recommended practice for software requirement specifications-IEEE standard 830-1998.
- Different documents, registers related to Book-Store Management System Project.
- Object Oriented Software engineering by Yogesh Singh and Ruchika Malhotra, PHI learning private limited-2012.

Overview

The remaining part of SRS consists of

- 1) Complete description of the various product functions.
- 2) Logical characteristics of product functions.
- 3) Hardware and software configuration for servers and clients operating at various levels.

Table of Contents (Business Model)

1. List of Functions

2. Functional Description

List of Functions

Sr. No.	Function Id	Name Of Function
1	F-1	Maintaining the bookstore records.
2	F-2	Maintaining the bookstore manager.

Functional Description :

F-1. Function: Maintaining the bookstore records.

Function ID: **F-1**

Purpose : The Book-Store Manager will take care of adding, removing and updating information related to the books.

Books of different authors, price, ratings placed in the different racks and different cupboards of store. In order to maintain the life of books they are maintained properly and checked regularly.

F-2. Function: Maintaining the bookstore manager.

Function ID: **F-2**

Purpose : The admin can add, remove and update the information related to book-store Manager.

And he can add the new stock of the books for Book-store.

Nonfunctional Requirements:

1. Performance Requirements

The performance requirements are as follows :-

- System login/logout shall take less than 5 seconds.
- The system should run properly on all browsers.
- The system should be light and run smoothly.

2. Safety Requirements

The safety requirements are as follows :-

- The password should not be visible while typing.
- The system should use a secure connection while browsing BIS.

3. Security Requirements

The security requirements are as follows :-

- The user requires email-Id and password to login into the system.

4. Software Quality Attributes

- **Availability**

The BIS will be available 24x7, with the exception of being down for maintenance no more than 3 hours a week. If the system crashes, it should be back up within a week.

- **Security**

Users will be able to access only their own personal information and not that of other users.

- **Maintainability**

Any updates or defect fixes shall be able to be made on server-side computers only, without any patches required by the user.

Specific Requirements

1. External Interfaces

- **User Interfaces**

The BIS will have the following user friendly and menu driven interfaces:

1. Login : Allow the entry of only authorized users through valid email-Id and password.
2. Logout : Allow the authorized users to leave the page.

- **Security Issues:**

User at different levels in the hierarchy will have restricted access to information. Only authorized users will be able to access the confidential information. Only the System Administrator will do system administration and maintenance work. And update the information. Various security mechanisms will be provided.

-Password protection for valid user. (Provided by RDBMS)

-Password at application level

2. Hardware & Network Interfaces:

1. Back-end Server Configuration

- Intel Pentium-IV
- 128 MB RAM
- 1 Raid Controller Card
- 32 bit Ethernet Controller (100 BaseT)
- 8 x 2.0 GB Fast SCSI/2 with RaidSupport

- 2.88 MB FDD
- 48 x CD ROM Drive SVGA Color Monitor on PCI with 1MB RAM
- 101 Keys Keyboard
- 1 Microsoft Mouse with pad
- 4/8 GB DAT
- One Serial & Two Parallel Ports
- Internet Information Server(IIS)
- Microsoft Transaction Server(MTS)

2. Front-end Client Configuration:

- Intel Pentium-III @ 650 MHz
- 128 MB SDRAM
- 10 GB Hard Disk Drive
- 1.44 MB Floppy Disk Drive 15" SVGA Digital Color
- One Serial, One Parallel port and One USB port.
- 104 Keys Keyboard
- PS2 Mouse with pad
- 32 bit PCI Ethernet Card
- 48X CD Drive

3. Software Interfaces:

3.1 Software configuration for back-end Services

- Windows NT – Server 4.0
- SQL Server 7.0

3.2 Software configuration for front-end Services

- Virus Protection Software

- Client Work station
- Office 2000
- Web Browser – InternetExplorer/Netscape
- Norton Utilities
- TCP/IP
- Other client application software as per requirement

4. Communication Interfaces

Various network protocols such as ISDN, ATM will be used for Intranet connectivity. UTP Ethernet, TCP/IP Protocols will be used for Local Area Networks. Network hubs, routers, bridges, cables, patch cables, connectors will be required.

