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**Documentation On  
“Online Book Store”  
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## **Table of Contents**

### **1. Introduction**

Document Purpose

Problem Statement

Product Scope

Aim & Objectives

### **2. Overall Description**

Product Perspective

Benefits of Online Book System

User and Characteristics

Operating Environment

Design and Implementation Constraints

### **3. Requirements Specification**

External Interface Requirements

Non-Functional Requirements

### **4. System Diagram**

Activity Diagram

Use Case Diagram

ER Diagram

### **5. Table Structure**

Books

Customer

### **6. Conclusion**

Future Scope

### **7. References**

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## **1. Introduction**

### **1.1 Purpose and Motivation**

The main objective of the project is to create an online book store that allows users to search and purchase a book based on title, author and subject. The selected books are displayed in a tabular format and the user can order their books online through cash on delivery system. The Administrator will have additional functionalities when compared to the common user.

The motivation to create this project has many sources

- Interest to develop a good user friendly website with many online transactions using a database.
- To increase my knowledge horizon in technologies like .NET, SQL, CSS, HTML.
- To gain good experience in .NET before joining in a full time job.
- To gain expertise using Data Grid, Data Set, Data Table, Data Adapter and Data Readers.

### **Problem Statement**

Nowadays Business Intelligent become very important and quite famous in doing E-business. In this project we will take Business Intelligence as the most important factor in making online system. We are using data mining process for to develop our project. Association rule could bring one conclusion depending on variables from the relationship of book and customer data.

### **Project Scope:**

This website specialized on E-commerce area. There are scope on this project. The website is based on online shopping where customer can order and make a payment of book via internet. Moreover it will able to save customer data and use it to determine what kind of books are in zone of interest of specified customer and display a books according to customer interest. The limit of customer profiling system that it analyses only registered users. In technical side to develop a website and system that will oriented for web design and database system will be done by PHP6 and Microsoft SQL server. This two different languages will connected by WampServer

### **Aims & Objectives**

#### **Specific goals are: -**

- ☑ To produce a web-based system that allow the admin to add Books according to category add quantity and provide functionalities to its role.

## **2. Project Overview**

## 2.1 Background

There are many online book stores like Powell's, Amazon which were designed using Html. I want to develop a similar website using .NET, SQL Server. Online Book store is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase using credit card transaction. The user can login using his account details or new customers can set up an account very quickly. They should give the details of their name, contact number and shipping address. The user can also give feedback to a book by giving ratings on a score of five. The books are divided into many categories based on subject Like Software, Database, English, Architecture etc.

This project has the following functionalities:

- 1) A Home page with product catalog This is the page where the user will be navigated after a successful login. It will display all the book categories and will have a search keyword option to search for the required book. It also includes some special sections like recommended titles, weekly special books.
- 2) Search A search by keyword option is provided to the user using a textbox .The keyword to be entered should be the book title.
- 3) Advanced Search Advanced search helps the user to search for a book based on Title, Author, Category and price range. All the books which match the particular search criteria and their total count will be displayed .From here the user can select a book and add to the shopping cart.
- 4) Book Description If the user would like to know details about a book he can click on the title from where he will be directed to a Book description page. It includes the notes on the book content and also a link to Amazon.com to get the book review.
- 5) .
- 6) Shopping Cart The user can manage a shopping cart which will include all the books he selected. The user can edit, delete and update his shopping cart. A final shopping cart summary is displayed which includes all the items the user selected and the final total cost.
- 7) Managing user accounts Each user should have an account to access all the functionalities of website. User can login using login page and logout using the logout page. All the user sessions will be saved in the database.
- 8) Administration The Administrator will be provided with special functionalities like
  - Add or delete a book category
  - Add or delete a member
  - Manage member orders.
  - Add or delete a Credit Card type.

## Benefits of Online Book store

- This online society management solution is fully functional and flexible.
- It is very easy to use.

- This online society management system helps in back office administration by streamlining and standardizing the procedures.
- It saves a lot of time, money and labour.
- Eco-friendly: The monitoring of the society management and the overall business becomes easy and includes the least of paper work.
- The application acts as an office that is open 24/7.
- It increases the efficiency of the management at offering quality services to the customers.
- It provides custom features development and support with the application.

### **Users and Characteristics:**

#### **Admin:**

- Admin can login to the system.
- View the list of all Flat Owners in the society.
- Add new Flat Owner.
- Delete Flat Owner.
- Update Books
- View Book quantity.
- Delete Book
- Add Books by category
- Update Book Price

### **Operating Environment:**

#### **Server Side:**

##### **Processor:**

Intel® I5 processor

##### **HDD: Minimum 500GB Disk Space**

##### **RAM:**

Minimum 2GB

##### **OS:**

Windows 8.1

##### **Database:**

Mysql Workbench 8.0

### **Client Side (minimum requirement):**

**Processor:** Intel Dual Core

**HDD:** Minimum 80GB Disk Space

**RAM:** Minimum 4GB

**OS:** Windows 10

### **Specific Requirement**

#### **External Interface Requirements:**

##### **User Interfaces:**

- All the users will see the same page when they enter in this website.
- After being authenticated by correct username and password, user will be redirect to their corresponding profile where they can do various activities.

- The user interface will be simple and consistence, using terminology commonly understood by intended users of the system. The system will have simple interface, consistence with standard interface, to eliminate need for user training of infrequent users.

#### **Hardware Interfaces:**

- No extra hardware interfaces are needed.
- The system will use the standard hardware and data communication resources.
- This includes, but not limited to, general network connection at the server/hosting site, network server and network management tools.

#### **Application Interfaces:**

**OS:** Windows 7, Linux

#### **Web Browser:**

The system is a web-based application; clients need a modern web browser such as Mozilla Firefox, Internet Explorer, Opera, and Chrome. The computer must have an Internet connection in order to be able to access the system.

#### **Communications Interfaces:**

- This system uses communication resources which includes but not limited to, HTTP protocol for communication with the web browser and web server and TCP/IP network protocol with HTTP protocol.
- This application will communicate with the database that holds all the booking information. Users can contact with server side through HTTP protocol by means of a function that is called HTTP Service. This function allows the application to use the data retrieved by server to fulfil the request fired by the user.

#### **System Design Activity Diagram**

**Figure 1: Admin Activity Diagram**



