**Pro Bookstore Website**

# User Requirements

**Version 1.0**

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## Introduction

### Purpose

This document provides user requirements that the Bookstore will be responsible for implementing. This document lists the user requirements, and functional/nonfunctional requirements for the project. It also contains use case scenarios to help clarify the process required for the project.

### Document Management

The requirements in this Requirements Document (RD) shall be traced to the appropriate deliverables in the development and testing phases to ensure that all requirements are properly implemented and tested.

### Intended Audience

The target audience for this RD includes business, technical, governance, and project management stakeholders. Specific users shall include software or system developers and testers.

## User 1 User Requirements

### User Requirement Summary

The user one will talk about the functions and their expectations of the Bookstore. It includes functional requirements and non-functional requirements

1. The Bookstore should accept order all over the Internet
2. The Bookstore should maintain for up to 100,000 customers’s accounts
3. The Bookstore should secure the password for all accounts
4. The Bookstore should provide a secure means of allowing customers to pay by credit card
5. The Bookstore should provide a secure means of allowing customers to pay via purchase order
6. The Bookstore should provide a special kind of account that is preauthorized to pay via purchase order
7. The Bookstore should provide electronic links between the Web and database and the shipping fulfillment system
8. The Bookstore should provide electronic links between the Web and database and the inventory management system
9. The Bookstore should maintain reviews of books, and allow anyone to upload review comments
10. The Bookstore should maintain ratings on books, based on customer inputs
11. The Bookstore should provide a search bar including search by author, search by title and search by keyword, filter by category and price range, sort by price
12. The Bookstore should be accessed by different platforms and different devices
13. The Bookstore should allow customers to log in (with username and password) and log out
14. The Bookstore should can modify their personal information

## User 3 User Requirements for Shopping Cart

### 3.1 User Requirement Summary

The user three will talk about the functions and their expectations of the Shopping. It includes functional requirements and non-functional requirements

1. The app should can edit including add, update, remove, delete their productions
2. The app should show the production’s information customer added
3. The app should provide the vouchers about discounting price for customers to use

## Functional and Non-functional

### Functional

#### Functions for customers

* The customers can create new account
* The customers can login
* The customers can update his/her account
* The customers can view a list of books (all information)
* The customers can search books (by author name, title, category, price)
* The customers can add and delete books from it
* The customers can pay via credit card or purchase order
* The customers can apply the voucher for discounting
* The customers can see their history of their bills

#### Functions for administration

* Admin can add, update, delete list all of books they have (e.g: title, author, price) and quantity-in-stock of some chosen
* Admin can see all information about those orders assigned to him/her
* Admin can update the quantity, order status, the information of books
* Admin can insert new books, delete books
* Admin can see all the processes of customers (orders, bills,....)

### Non-functional

| **Property** | **Measure** |
| --- | --- |
| Speed | Processed transactions/second   * The processed transactions time should be less than 2 seconds   User/event response2TD time   * The response time of all operations should be less than 2 seconds   Screen refresh time   * The screen refresh time should be less than 2 seconds |
| Size | Mbytes  Number of ROM chips |
| Ease of use | Training time   * The app can be easy to use and clear for customers   Number of help frames |
| Reliability | Mean time to failure  Probability of unavailability  Rate of failure occurrence  Availability |
| Robustness | Time to restart after failure  Percentage of events causing failure  Probability of data corruption on failure   * The app needs to operate with less failure as soon as possible |
| Portability | Percentage of target dependent statements  Number of target systems   * The Bookstore should run on Windows 7, 10 or 11 without any change in its behavior and performance |
| Security | * The password should be protected for all accounts. * The Bookstore should provide a secure means of allowing customers to pay by credit card * The Bookstore should provide a secure means of allowing customers to pay via purchase order |