Software Requirements Specification

for

**Virtual bookstore**

**Version 1.0**

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# Introduction

## Purpose

This specification document describes the capabilities that will be provided by the software application ‘virtual bookstore’. It also states the various required constraints by which the system will abide. The intended audience for this document are developers and users of the product.

## Scope

The application created is intended to be a website with the purpose of helping users to buy books from online. The e-commerce system will allow any user to create an account to become a customer. Customers can browse, search, select, add books to a shopping cart and, after that, checkout books from cart. The system also allows an administrator to add, update, delete books in the system.

## Definitions, Acronyms and Abbreviations

|  |  |  |
| --- | --- | --- |
| **No.** | **Term** | **Definition** |
| 1 | User | Someone who interacts with the application |
| 2 | Customer | User who want to buy a book |
| 3 | Admin/Administrator | System administrator who is given specific permission for managing and controlling the system |

## References

1. <https://dotnet.microsoft.com/>
2. <https://www.amazon.com/books-used-books-textbooks/b?ie=UTF8&node=283155>
3. <https://docs.microsoft.com/en-us/dotnet/core/whats-new/dotnet-core-3-1>

## Overview

This document is divided in three major sections such as introduction, overall description and specific requirements. The following sections provide the complete overview of the specifications requirements documentation for the e-commerce bookstore.

# Overall Description

## Product Perspective

The web application will be used to find books and view information about them.

A distributed database system stores the following information:

* *Book details: name, author, price, publishing date*
* *Customer description: name, address, phone number. This information may be used for keeping the records of the customer for any kind of information*

For customers the application will only use the database to get data while for administrator the application will add, modify and delete data.

## Product Functions

With this web application, the users will be able to search for books. The result will be based on the criteria the user inputs, such as book name, author name.

The application will provide the functionality to manage the system and the book information.

## User Characteristics

*There are two types of users that interact with the system: customers and administrator.*

*The customers can only use the application to buy a book. This means that the customer has to be able to search for books choose a restaurant from that search and then add it to cart. They don’t need any previous experience or higher education.*

*The administrators are managing the overall system so there is no incorrect information within it. The administrator can manage the information for each book. He should have previous experience.*

## Constrains

*Minimum compatible operating system:*

* *Windows 7*

*The application is implemented with:*

* *ASP.Net Core*
* *JavaScript*
* *C#*
* *Bootstrap*
* *CSS*
* *HTML*

## Assumptions and Dependencies

My assumption is that the users who will try to use the application have a connection to the Internet.

# 3 Functional Requirements

## 3.1 Customer

* Register

Customer must provide name, password, e-mail address. He can provide phone number, address.

* Log in

Given that a user has registered, he should be able to log in.

* Browse

Given that a user is logged in to the application, he should be able to browse the list of books.

* Search book

Given that a user is logged in to the application, he should be able to search a book by name, by author.

* Add book to cart

When a customer wants to buy a book, he needs to add it in the cart.

* Remove book from cart

If a book is added in the cart by mistake, a customer should be able to remove it.

* Check out

After adding books he wants to buy in cart, a customer can check out.

## 3.2 Administrator

* Login
* Add book
* Edit details of a book
* Delete book