

# Software Requirement Specification Document

**1.1 Title:** Software Requirement Specification for Online Book Store (BookStack.com).

**1.2 Objective (Purpose):** The online shopping System for Books. Web Application is intended to provide complete solution for Customers. It will enable customers to browse through virtual shop and purchase Books online without visiting the shop physically.

**1.3 Scope:** -This System allows admin to maintain their Books for adding or removing from catalog based on their availability. Customer will be able to review orders history and may able to cancel order within 24 hours, order place. This system is largely available for anyone who have the Internet connection. The system will be run on a central server and distribute the remote user interface through a web browser to all the devices.

## **Requirements:**

### **2.1 Functional Requirement**

**Guest User:** A guest user is someone who visits the website without registering. The following are the functionalities of a guest user:

- View Books:
- Register:

**Registered User:** A registered user is someone who has created an account on the website. The following are the functionalities of a registered user:

- Order Book
- Review Book
- View Order history
- Cancel order

**Admin:** The admin is responsible for managing the website and ensuring that everything runs smoothly. The following are the functionalities of an admin:

- Add book
- Delete book
- Add and delete category of books
- Assign delivery person

## **2.2 Non-Functional Requirements: -**

Following are the non-functional requirements fulfilled by our project:

### **➤ Security**

- The system's back-end servers shall only be accessible to authenticated administrators. Sensitive data will be encrypted before being sent over insecure connections like the internet.

### **➤ Availability**

- The system should be available at all times, meaning the user can access it using a web browser, only restricted by the downtime of the server on which the system runs. In case of an of a hardware failure or database corruption, a replacement page will be shown. Also, in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 x 7 availability.

### **➤ Reliability**

- The reliability of the overall program depends on the reliability of the separate components. The main pillar of the reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes. Thus, the overall stability of the system depends on the stability of container and its underlying operating system.

### **➤ Maintainability**

- A commercial database is used for maintaining the database and the application server takes care of the site. In case of a failure, a re-initialization of the program will be done. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently.

➤ **Accessibility**

- The system will be a web-based application it is going to be accessible on the web browser.

➤ **Backup**

- We will take a backup in our system database. In order to enable the administrator and the user to access the data from our system.

➤ **Performance**

- The product shall be based on web and has to be run from a web server. The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run. The performance shall depend upon hardware components of the client/customer.

➤ **Supportability**

- The source code developed for this system shall be maintained in configuration management tool.

## **2.3 Other Requirements:**

**Hardware Interfaces:** It is expected to function on Intel PIII 900 MHz Processor equivalent or above, 128 MB RAM, 20 GB HDD.

**Software Interfaces:** It shall work on MS Windows operating systems family (MS Windows 98, MS Windows NT Workstation, MS Windows 2000, MS Windows XP). It configures to work with Oracle database. This System works on Apache Tomcat server. It uses browser IE 5.0 & above. It uses IIS 5.0 server.