Software Requirements Specification (SRS)

1. Introduction

1.1 Purpose

The purpose of this document is to define the functional and non-functional requirements for the Online Bookstore System.

1.2 Scope

The Online Bookstore System allows users to browse, search, and purchase books online. It supports user registration, order management, and payment integration.

1.3 Definitions, Acronyms, and Abbreviations

SRS - Software Requirements Specification
UI - User Interface

2. Overall Description

2.1 Product Perspective

The Online Bookstore System is a standalone application that integrates with external payment gateways and shipping services.

2.2 Product Functions

Function	Description
User Registration	Allow users to create an account.
Book Search	Search for books by title, author, or ISBN.
Shopping Cart	Add or remove books before purchase.
Order Management	View order history and track shipments.
Payment Processing	Process payments via credit card or digital wallets.

3. Specific Requirements

3.1 Functional Requirements

- The system shall allow users to register and log in.
- The system shall allow users to search for books by title, author, or ISBN.
- The system shall allow users to add books to a shopping cart and proceed to checkout.
- The system shall process payments securely through an integrated payment gateway.

3.2 Non-Functional Requirements

- The system shall be available 99.9% of the time.
- The system shall support at least 10,000 concurrent users.
- The system shall encrypt sensitive user data.

3.3 External Interface Requirements

- User Interface: Web-based responsive UI.
- Payment Gateway: Integration with Stripe and PayPal.
- Shipping Service: Integration with FedEx and DHL.