

## Synopsis

### Title: Bookstore Management System

**Aim:** To develop an Online Book Store system for efficient book management, online browsing and purchasing, and seamless administration. The system provides secure accounts, order tracking, and Gmail notifications for registration, payments, and delivery updates, ensuring a smooth experience for both customers and administrators.

**Description:** The Book Store Management System is a web-based application that provides an interactive platform for both customers and administrators. Customers can register, browse available books, view details, place orders, and make payments online. Administrators can manage book records, update inventory, track orders, and monitor deliveries. The system ensures easy access, efficient management, secure transactions, and a seamless user experience for all users.

## Features

### Customer Module

- User registration and login.
- Browsing books by category, author, and price
- Viewing book details and reviews
- Adding desired books to the cart
- Placing online orders with multiple payment options (Card, UPI, etc.)
- Viewing order history and tracking current orders.

## **Admin Module**

- Managing the book catalog (add, update, delete books).
- Monitoring current stock and inventory levels.
- Processing customer orders and updating order statuses.
- Viewing transaction history.
- Track completed and pending orders.
- Managing user accounts and feedback.

## **Delivery Module**

- Assign delivery agents to orders.
- Real-time tracking of deliveries.
- Update delivery status (pending, out for delivery, delivered).

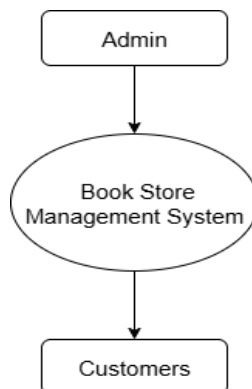
## **Hardware Requirements:**

- Processor: 11th Gen Intel(R) Core (TM) i3-1115G4
- RAM: 8GB
- Hard Disk: 500GB
- Internet Connection: Required for online operations

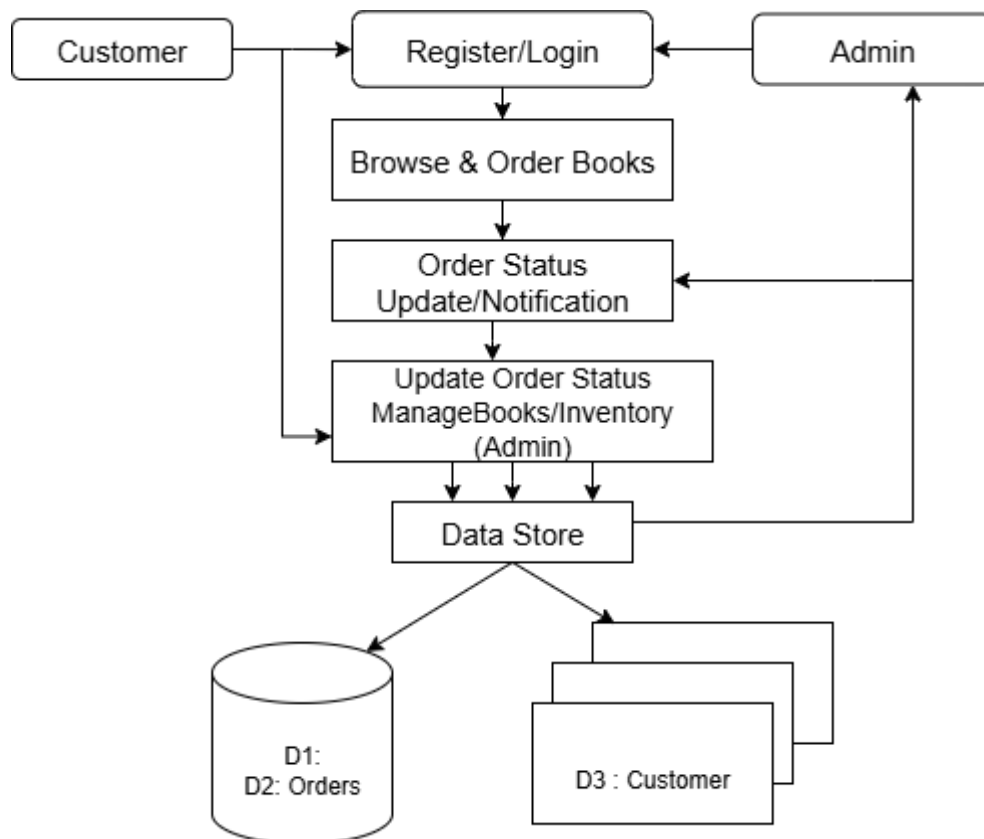
## **Software Requirements:**

- Operating System: Windows 11
- Database: MySQL
- Backend: PHP, MySQL
- Frontend: HTML, CSS, JavaScript
- Server: Apache, Xmapp

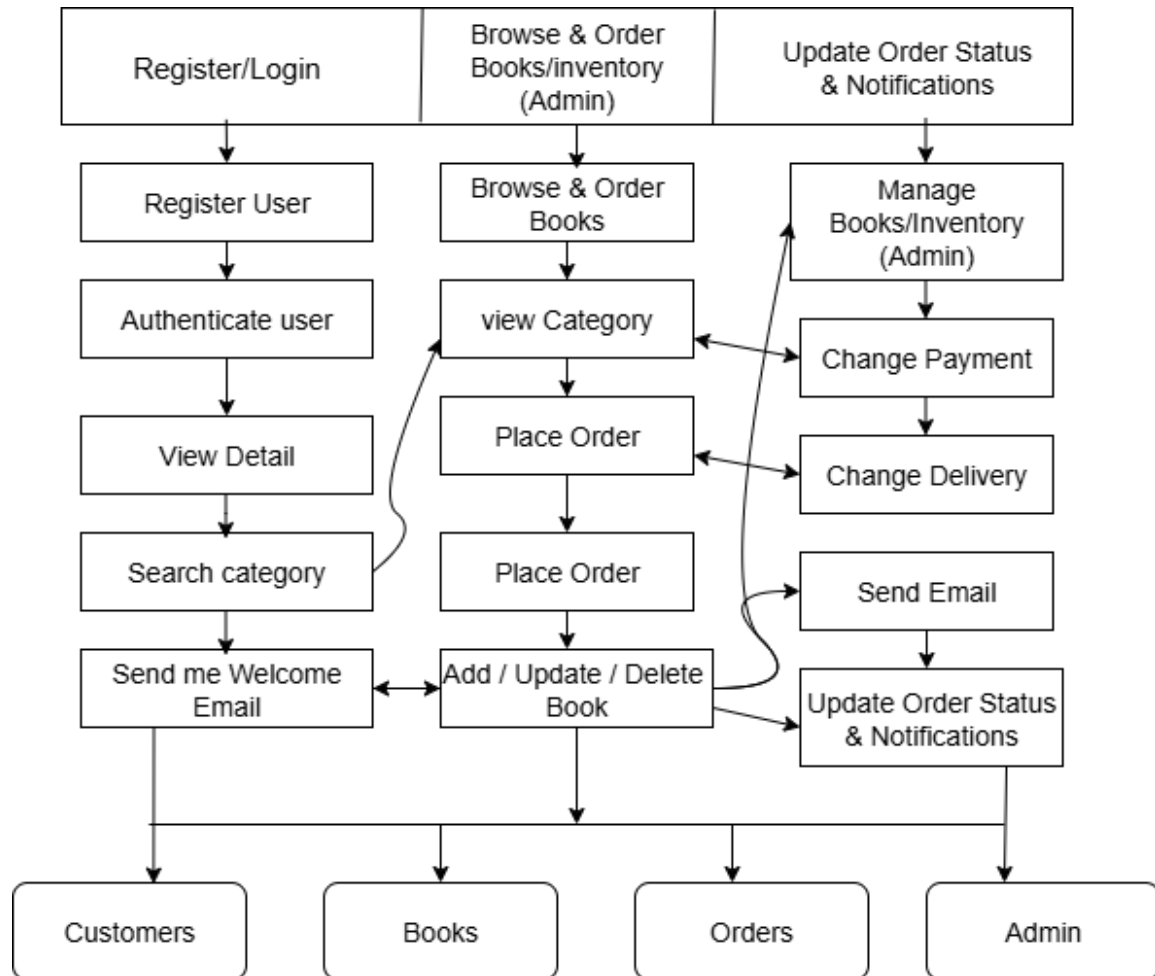
## DFD Level 0:



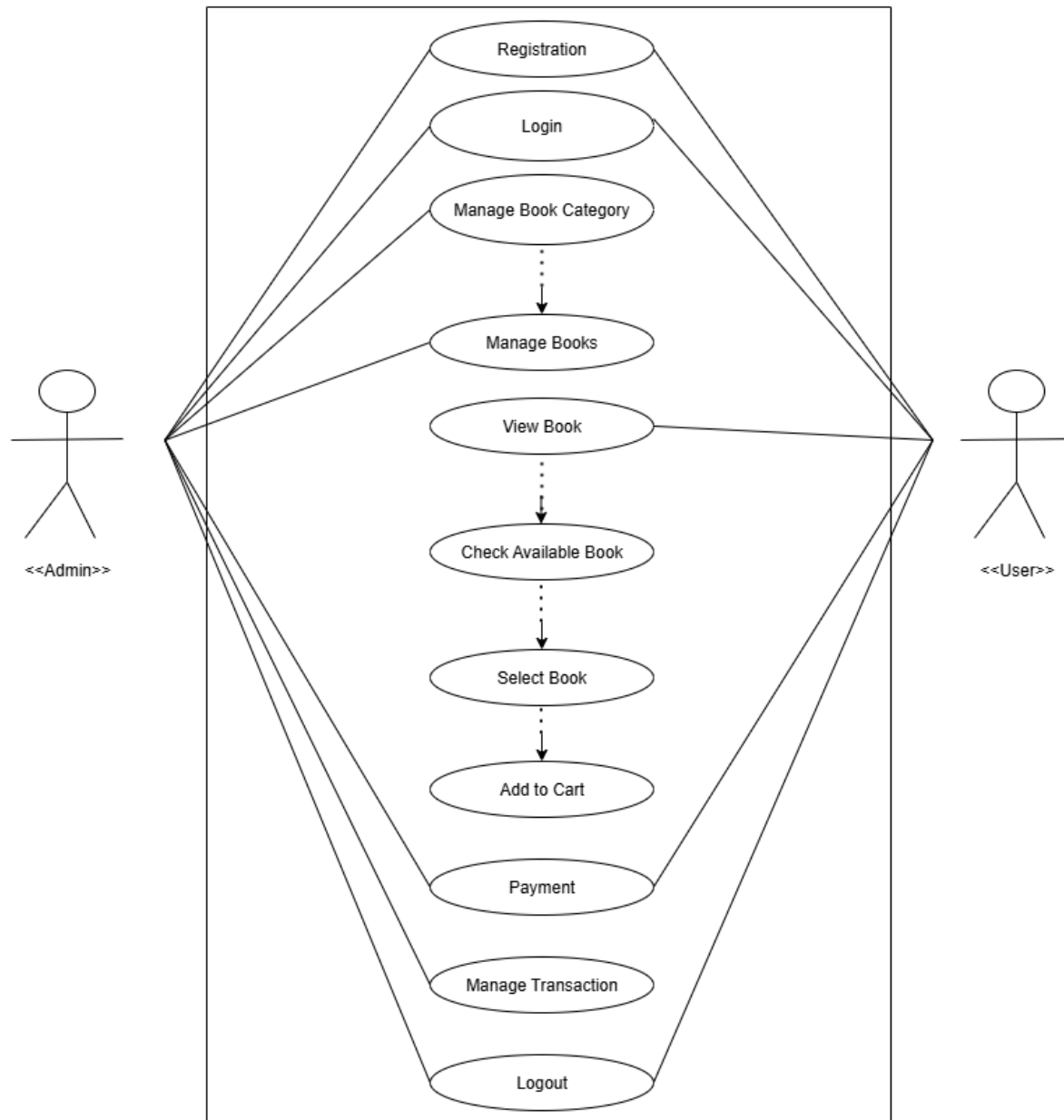
## DFD Level 1:



## DFD Level 2:



## ER Diagram :



**Conclusion:** The Book Store Management System streamlines the process of purchasing and managing books by providing a comprehensive digital platform for customers and administrators. It ensures a seamless and efficient user experience, reduces manual errors, and enhances organizational efficiency for bookstore management. Secure payment options and real-time order status updates increase customer satisfaction and trust. Future enhancements can include AI-driven book recommendations and integration with eBook delivery or smart inventory systems.

### **Future Scope**

- Mobile application development can offer users anytime, anywhere access to browse and purchase books easily.
- AI-powered personalized recommendations will enhance user engagement and book discovery.
- Subscription-based book boxes or plans can encourage regular reading and boost customer loyalty.