

# DATA FLOW DIAGRAM AND USER STORIES

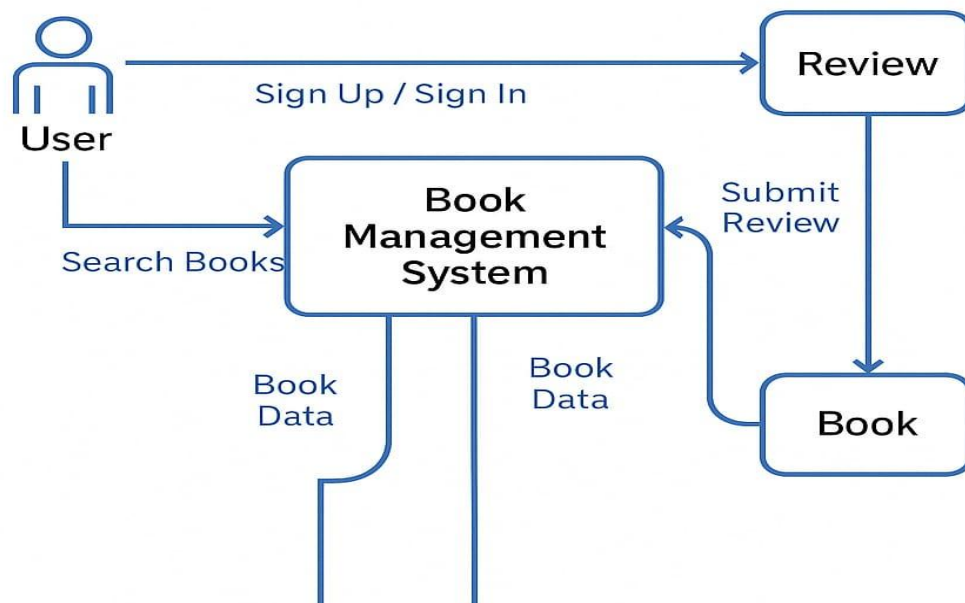
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## DATA FLOW DIAGRAM:

### Data Entities for DFD

- **User** (UserID, Name, Email, Password, Address)
- **Book** (BookID, Title, Author, Price, ISBN, Stock)
- **Cart** (CartID, UserID, BookID, Quantity)
- **Order** (OrderID, UserID, OrderDate, Status, TotalAmount)
- **Payment** (PaymentID, OrderID, Amount, PaymentMethod, Status)
- **Admin** (AdminID, Username, Password)

## Data Flow Diagram for Booknest



# USER STORIES:

## User Stories (Agile Format)

### As a User:

#### 1. Registration/Login

- *As a user, I want to register and log in so that I can buy books from the store.*

#### 2. Browse Books

- *As a user, I want to browse and search for books so that I can find titles I'm interested in.*

#### 3. Add to Cart

- *As a user, I want to add books to my cart so that I can purchase them together.*

#### 4. Checkout

- *As a user, I want to securely make payments and track my orders.*

#### 5. Order History

- *As a user, I want to view past orders so I can reorder or review them.*

### As an Admin:

#### 1. Manage Catalog

- *As an admin, I want to add or remove books so that the catalog stays current.*

#### 2. View Orders

- *As an admin, I want to view order data so I can analyze performance.*

#### 3. Inventory Management

- *As an admin, I want to manage stock levels to prevent out-of-stock scenarios.*

User Story Number	User Story
USN-1	As a user, I can sign up by providing my email and password.
USN-2	As a user, I can sign in using my email and password.
USN-3	As a user, I can view a list of books with title, author, and genre.
USN-4	As a user, I can search for books using a keyword.
USN-5	As a user, I can write a review for a book with a rating