

**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

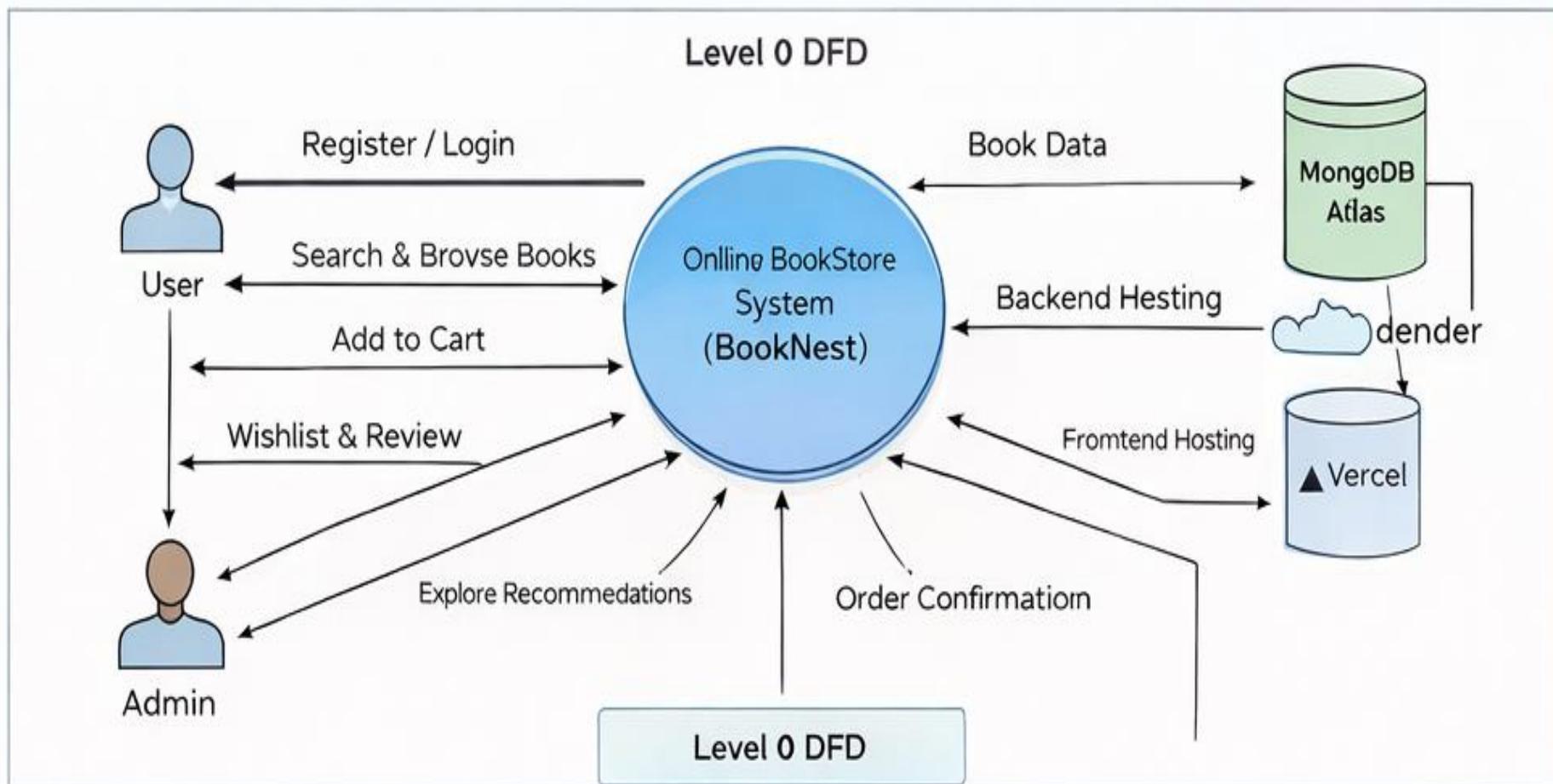
Date	10 February 2026
Team ID	LTVIP2026TMIDS34775
Project Name	BookNest : where stories nestle
Maximum Marks	4 Marks

## **Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

**Example: DFD Level 0 for BookNest**

## DFD for BookNest – Where Stories Nestle



## Use Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User	Registration	BN-US-1	As a user, I can register and log in via email/password or Google sign-in.	I can successfully register and access the system.	High 🌟	Sprint-1
User	Browsing & Searching	BN-US-2	As a user, I can search and filter books by categories, authors, or titles.	I can easily search and filter to find desired books.	High 🌟	Sprint-1
User	Cart Management	BN-US-3	As a user, I can add books to the cart, and manage quantities.	I can add and remove books from the cart.	High 🌟	Sprint-1
User	Order Placement	BN-US-4	As a user, I can purchase books securely using different payment gateway.	I can checkout securely and receive a confirmation.	High 🌟	Sprint-1
User	Order History	BN-US-5	As a user, I can view my past orders and manage order history.	I can see a list of previous orders with details and status.	High 🌟	Sprint-2
User	Wishlist Feature	BN-US-6	As a user, I can add books to a wishlist to bookmark later.	I can save books to my wishlist and view them anytime.	Medium 🔍	Sprint-2
Admin	Manage Users	BN-US-7	As an admin, I can view user cart, or delete registered users.	Admin panel displays user list with action buttons.	Medium 🔍	Sprint-2
Admin	View Orders	BN-US-2	As an admin, I can view and manage user orders.	Orders list shows all user purchases with statuses.	Low 🌳	Sprint-2
Admin	Promotions	BN-US-8	As an admin, I can create and manage promotional offers to use later.	Admin can create discount codes and apply to books.	Low 🌳	Sprint-3
System	Model Recommendations	BN-US-10	As a system, I can provide personalized book recommendations.	System suggests books based on user past purchase.	High 💚	Sprint-3