Project Design Phase-II
Data Flow Diagram & User Stories

Date	17 Feb 2026
Team ID	LTVIP2026TMIDS42169
Project Name	BookNest
Maximum Marks	4 Marks

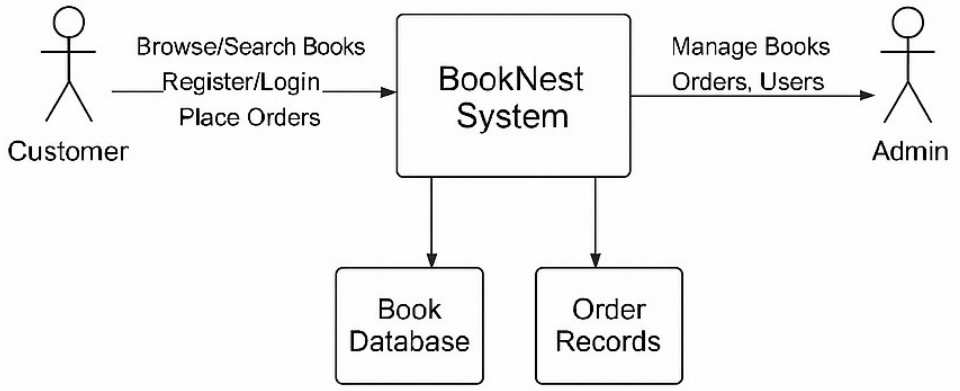
Data Flow Diagrams:

A Data Flow Diagram (DFD) illustrates how data flows within the BookNest platform. It shows interactions between users (readers, authors, and admins), system components, and data storage.

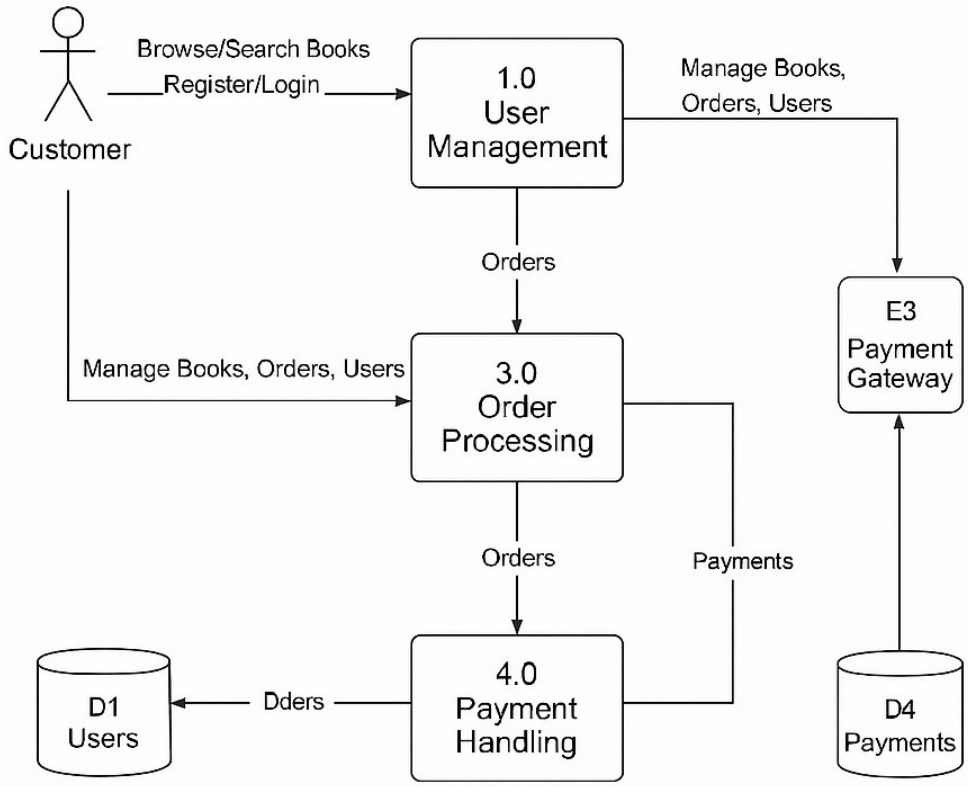
Example: DFD Level 0 (Industry Standard)

- Readers can browse, search, and purchase books.
- Authors can upload and manage book listings.
- Admins moderate content and manage platform operations.
- System handles authentication, book listings, reviews, and payment transactions.
- Data Stores include user profiles, book inventory, orders, and messages.

DFD – CONTEXT LEVEL (LEVEL 0)



DFD – LEVEL 1



User Stories

User Story Table – BookNest

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
Reader	Book Discovery	As a reader, I can search for books by title, author, or genre.	Search returns relevant book listings.	High	Sprint-1
Reader	Purchase System	As a reader, I can purchase e-books securely.	Payment is processed and download is available.	High	Sprint-2
Author	Book Management	As an author, I can upload and manage my book listings.	Books are visible to readers after submission.	High	Sprint-1
Author	Earnings Dashboard	As an author, I can view sales and earnings reports.	Dashboard displays up-to-date metrics.	Medium	Sprint-2
Admin	Content Moderation	As an admin, I can review and remove inappropriate content or books.	Flagged content is reviewed and actioned.	High	Sprint-1
Reader & Author	Messaging	As a user, I can send and receive messages with other	Messages appear instantly and are stored.	Medium	Sprint-2

		users.			
Reader	Review System	As a reader, I can leave reviews for purchased books.	Reviews appear on the book's page.	Medium	Sprint-2
Admin	User Management	As an admin, I can deactivate or flag users violating policies.	Actions are logged and users restricted accordingly.	High	Sprint-1