Project Design Phase-II
Data Flow Diagram & User Stories

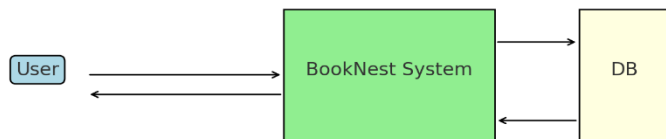| Date	20 June 2025
Team ID	LTVIP2025TMID20320
Project Name	Booknest: Where Stroies Nestle
Maximum Marks	4 Marks

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: (Simplified)

DFD Level-0 – BookNest

- User sends request (register, login, browse books, order, wishlist)
- System responds with book list, dashboard, confirmation
- System stores/updates data in MongoDB

DFD Level-1 – BookNest

Data flows:
- From user to system through login, book filters, wishlist, and cart interactions
- System reads/writes to MongoDB (user, book, order, wishlist collections)

User Stories

User Type	Functional Requirement (Epic)	User Story #	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Web)	Registration	USN-1	As a user, I can register with email and password.	I can access my dashboard	High	Sprint-1
Customer (Web)	Registration	USN-2	As a user, I receive a confirmation email after registration.	I receive & confirm via email	High	Sprint-1
Customer (Web)	Registration (OAuth)	USN-4	As a user, I can register using Gmail authentication.	I register via Gmail	Medium	Sprint-1
Customer (Web)	Login	USN-5	As a user, I can log in using email and password.	I access my dashboard	High	Sprint-1
Customer (Web)	Dashboard	USN-6	As a user, I can view my orders and wishlist on a personalized dashboard.	Dashboard shows my books and orders	High	Sprint-2
Customer (Web)	Wishlist	USN-7	As a user, I can add/remove books from my wishlist.	Heart icon toggles and saves correctly	Medium	Sprint-2
Customer (Web)	Book Browsing	USN-8	As a user, I can browse and filter books by genre/author.	Filters update book list instantly	High	Sprint-2
Customer (Web)	Order Placement	USN-9	As a user, I can add books to my cart and place orders with delivery address.	Order confirms with address saved	High	Sprint-3
Customer (Web)	Profile Management	USN-10	As a user, I can update my profile (name/email/password).	Changes are saved and reflected on next login	Medium	Sprint-3
Administrator	Admin Dashboard	USN-11	As an admin, I can manage all books, users, and orders.	Admin panel updates backend & reflects in UI	High	Sprint-4
Administrator	Order Management	USN-12	As an admin, I can update order status (Processing, Shipped, Delivered).	Orders update and show status in user dashboard	Medium	Sprint-4
Administrator	Book Image Upload	USN-13	As an admin, I can upload book images during book creation/editing.	Book cover appears correctly in book listing	Medium	Sprint-4