

Project Design Phase
Solution Architecture

Date	21-12-2025
Team ID	
Project Name	Book Store (StoryShelf)
Maximum Marks	4 Marks

Solution Architecture:

The solution architecture for StoryShelf ensures a scalable, secure, and user-friendly online bookstore platform that allows readers to browse, search, purchase books, and enables sellers to manage their book inventory efficiently. The architecture focuses on smooth navigation, powerful search filters, secure authentication, seller management, and reliable transaction handling to deliver an excellent user experience.

- Seamless book browsing and searching
- Smooth purchasing and cart management
- Scalable and secure user authentication
- Role-based access (User, Seller, Admin)
- Secure and trackable order processing
- Wishlist, profile, and order history support
- Seller dashboard for book upload and management
- Admin monitoring and platform control
- Scalable backend and optimized performance

Example - Solution Architecture Diagram:

