

SOLUTION REQUIRMENT (FUNTIONAL AND NON-FUNCTIONAL)

Date	23 JUNE 2025
Team ID	LTVIP2025TMID53063
Project name	BOOK NEST: WHERE STORIES NESTLE
Marks	4 MARKS

Functional and Non functional requirements :

BOOK NEST : Functional Requirements

No.	Functional Requirement	Sub-Requirement
1	User Management	User Registration (Sign Up)
		User Login/Logout
		Password Reset/Recovery
2	Book Information Management	Add New Book Entry (Title, Author, ISBN, Genre, etc.)
		View Book Details (Individual Book Page)
		Edit Existing Book Details
		Delete Book Entry
3	Search and Filtering	Search Books by Title, Author, ISBN
		Filter Books by Genre, Publication Year
		Sort Books by Alphabetical Order, Date Added
4	Collection Organization	Mark Book as "To Read," "Reading," "Completed"
		Add Books to Custom Lists/Shelves
		Rate Books (e.g., 1-5 stars)
5	User Profile & Activity	View Personal Reading Statistics (e.g., books read)
		View User's Book Collection
		Update User Profile Information

Book Nest : Non-Functional Requirements

No.	Non-Functional Requirement Category	Requirement Description	Metric / Standard	Priority
1	Performance	Pages shall load within 3 seconds under typical user load.	Page Load Time: < 3 seconds (90th %ile)	High
2	Security	All user data and communications shall be securely encrypted.	Data Encryption: TLS 1.2+, Hashing	Critical
3	Usability	The system shall provide an intuitive and accessible user interface.	User Satisfaction Score: > 85%	High
4	Reliability	The system shall maintain an uptime of 99.9%.	Uptime: 99.9% (excluding planned downtime)	High
5	Scalability	The system shall support growth to handle increased user and data volumes.	Concurrent Users: 5,000 initially	Medium