

SOLUTION REQUIREMENT (FUNCTIONAL AND NON-FUNCTIONAL)

Date	23 JUNE 2025
Team Id	LTVIP2025TMID53096
Project name	BOOK NEST: WHERE STORIES NESTLE
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Booknest – Functional Requirements

No.	Functional Requirement	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Email and Password
FR-2	User Confirmation	Confirmation via Email
FR-3	Book Search	Search by title, author; genre
FR-4	Alerts & Recommendations	Set rating drop alerts for specific books
FR-5	Review Submission	Receive recommendations based on user rating
FR-6	User Dashboard	Viewed search history alerts
FR-7	Admin Functions	View analytics on searches and performance
FR-8	Customer Support	Admin/Executive can respond and close tickets

Booknest – Non-Functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be intuitive and responsive across devices (web & mobile), ensuring a seamless user experience for users of all-skill levels.
NFR-2	Security	Secure authentication (e.g. JWT, OAuh), encrypted data transmission (TLS), and adherence to OWASP sds to protect user data and prevent attacks.
NFR-3	Reliability	The system should deliver consistent results and handle API failures or retries gracefully with fallback caching and error handling
NFR-4	Performance	The platform should support high-speed queries (
NFR-5	Availability	Modular microservices and cloud deployment; load balancers, and health monitoring tools like Prometheus or