

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	19 June 2025
Team ID	LTVIP2025TMID55634
Project Name	Booknest: Where Stories Nestle
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	<ul style="list-style-type: none"><li>• Registration through Form</li><li>• Registration through Gmail</li></ul>
FR-2	User Confirmation	<ul style="list-style-type: none"><li>• Confirmation via Email</li></ul>
FR-3	Book Browsing & Wishlist	<ul style="list-style-type: none"><li>• Browse books by genre/author</li><li>• Add/Remove from wishlist</li></ul>
FR-4	Cart & Order Management	<ul style="list-style-type: none"><li>• Add to cart</li><li>• Place order with delivery address</li></ul>
FR-5	Admin Panel	<ul style="list-style-type: none"><li>• Manage books</li><li>• Manage users</li><li>• Update order status</li></ul>
FR-6	Profile Management	<ul style="list-style-type: none"><li>• Update name/email/password</li></ul>
FR-7	Book Image Upload	<ul style="list-style-type: none"><li>• Upload book front cover while adding/editing books</li></ul>

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly UI with simple navigation and responsive design
NFR-2	Security	JWT authentication, role-based access, and secure password handling
NFR-3	Reliability	Consistent functionality under different user loads and inputs
NFR-4	Performance	Fast response times for browsing, filtering, and dashboard loading
NFR-5	Availability	24/7 uptime with cloud-hosted backend
NFR-6	Scalability	Modular architecture to support future user growth and additional features