**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 19 June 2025 |
| Team ID | LTVIP2025TMID55365 |
| Project Name | Booknest: Where Stories Nestle |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | • Registration through Form  • Registration through Gmail |
| FR-2 | User Confirmation | • Confirmation via Email |
| FR-3 | Book Browsing & Wishlist | • Browse books by genre/author  • Add/Remove from wishlist |
| FR-4 | Cart & Order Management | • Add to cart  • Place order with delivery address |
| FR-5 | Admin Panel | • Manage books  • Manage users  • Update order status |
| FR-6 | Profile Management | • Update name/email/password |
| FR-7 | Book Image Upload | • Upload book front cover while adding/editing books |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **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 |