**Project Design Phase-II**

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

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| --- | --- |
| Date | 5 july 2025 |
| Team ID | LTVIP2025TMID49612 |
| Project Name | **BookNest: Where Stories Nestle** |
| Maximum Marks | 4 Marks |

**Functional Requirements**

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | - Registration through Form  - Registration via Gmail  - Registration via LinkedIn |
| FR-2 | User Confirmation | - Email confirmation link  - OTP-based confirmation for phone |
| FR-3 | Book Browsing & Search | - View all books  - Search by title, author, or category  - Filter by price, language, or rating |
| FR-4 | Order Management | - Add to cart  - Checkout  - Place orders  - View order history |
| FR-5 | Wishlist & Reviews | - Add/remove books from wishlist  - Submit reviews  - Rate books |
| FR-6 | Admin Management | - View/manage users  - Approve sellers  - Moderate reviews  - Analytics dashboard |
| FR-7 | Seller Panel | - Add/edit/delete books  - View orders  - Track earnings |
| FR-8 | Profile Management | - Edit profile  - Change password  - Manage address |

**Non-functional Requirements**

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | Usability | The UI should be intuitive and user-friendly across all roles (user, seller, admin). |
| NFR-2 | Security | Data must be protected via JWT, HTTPS, password encryption (bcrypt), and secure headers. |
| NFR-3 | Reliability | Application should be robust with minimum downtime and proper error handling. |
| NFR-4 | Performance | The system must respond within 2–3 seconds for most user operations even under load. |
| NFR-5 | Availability | System should be available 99.9% of the time during working hours. |
| NFR-6 | Scalability | The system should support a growing number of users, books, and reviews without degradation. |