

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

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| Date | 30 th June 2025 |
| Team ID | LTVIP2025TMID53029 |
| 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 | - Registration through Form - Registration through Gmail - Registration through LinkedIn |
| FR-2 | User Confirmation | - Confirmation via Email - Confirmation via OTP |
| FR-3 | Book Search & Discovery | - Search by title, author, genre - Apply filters (e.g., language, rating) - View book details |
| FR-4 | Reading List Management | - Add books to "Want to Read" - Move books to "Currently Reading" or "Read" - Remove books from lists |
| FR-5 | Book Ratings & Reviews | - Submit star rating - Write/edit/delete review - View community reviews |
| FR-6 | Personalized Recommendations | - Display book suggestions based on user activity - Update suggestions dynamically |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | The system should be intuitive and user-friendly for both technical and non-technical users. |
| NFR-2 | Security | All user data must be encrypted; authentication should follow industry standards (OAuth2, JWT). |
| NFR-3 | Reliability | The platform should be stable with minimal downtime and handle failures gracefully. |
| NFR-4 | Performance | Pages should load within 2 seconds under normal load; system should support concurrent users. |

