**Project Design Phase-II**

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

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| --- | --- |
| Date | 31 January 2025 |
| Team ID | SWTID1743696165 |
| Project Name | Bookie Nest: Book management website |
| 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 |
| FR-3 | Book Management | Add and Delete Books |
|  |  | View Book Details |
| FR-4 | Cart Management | Add and Delete Books to cart |
|  |  | View Cart Details |
| FR-5 | Book Management | Add, Edit, and Delete Shows |
|  |  | View Book Details |
| FR-6 | Purchase | Purchase |
| FR-7 | User Profile | Edit User Details |
|  |  | View Reading History |
| FR-8 | Reviews and Ratings | Add, Edit, and Delete Reviews |
|  |  | View Ratings for book |
| FR-9 | Search Functionality | Search Books and Genre |
| FR-10 | Admin Management | Admin Login and Dashboard |
|  |  | Manage Users, Books |

**Non-functional Requirements:**

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

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | Usability | The system should have an intuitive and user-friendly interface for all users. |
| NFR-2 | Security | User data should be encrypted, and authentication should use JWT tokens. |
| NFR-3 | Reliability | The system should handle failures gracefully and ensure data consistency. |
| NFR-4 | Performance | The system should load pages within 2 seconds under normal load conditions. |
| NFR-5 | Availability | The system should have 99.9% uptime to ensure continuous availability. |
| NFR-6 | Scalability | The system should scale to handle increased traffic during peak times. |