**Project Design Phase-II**

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

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| Date | 7 April 2025 |
| Team ID | SWTID1743519439 |
| Project Name | BookNest |
| 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 | |  | | --- | |  |   Sign-up/login via email or Gmail |
| FR-2 | Book Browsing | Search/filter books by title, author, category |
| FR-3 | Shopping Cart | Add/remove books to/from cart |
| FR-4 | Checkout & Payment | Order placement and payment integration |
| FR-5 | Order History | View past orders and invoice |
| FR-6 | Admin Dashboard | View sales stats, manage users and inventory |
| FR-7 | Book Management | Admin can add, update, or delete books |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Intuitive and user-friendly interface to ensure smooth navigation and interaction |
| NFR-2 | **Security** | Secure user data through encryption |
| NFR-3 | **Reliability** | System should perform consistently under different conditions and loads |
| NFR-4 | **Performance** | Fast response time for search and recommendation functionalities |
| NFR-5 | **Availability** | Ensure the system is available with minimal downtime |
| NFR-6 | **Scalability** | Able to handle growing number of users and data |
| NFR-7 | **Maintainability** | Codebase should be modular and easy to update |