**Requirement Gathering and Analysis Phase**

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

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| --- | --- |
| Date | 04 July 2024 |
| Team ID | SWTID1719939027 |
| Project Name | Project – Book Nest |
| Maximum Marks | 2 |

**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 | View Books by Genre |
|  |  | Search for Specific Titles or Authors |
| FR-4 | Purchase | Add Books to Cart |
|  |  | Secure Checkout |
|  |  | Order Confirmation |
| FR-5 | Profile Management | Update Personal Information |
|  |  | View Order History |
| FR-6 | Seller Book Listing | Add New Books |
|  |  | Manage Inventory |
| FR-7 | Order Management | Track Orders |
|  |  | Update Order Status |
| FR-8 | Admin Management | Manage User Accounts |
|  |  | Manage Book Listings |
|  |  | View Sales Reports |

**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 | The system should be user-friendly and easy to navigate. |
| NFR-2 | Security | Ensure data security through encryption and secure authentication methods. |
| NFR-3 | Reliability | The system should be reliable with minimal downtime. |
| NFR-4 | Performance | The system should have quick response times and handle large volumes of data efficiently. |
| NFR-5 | Availability | The system should be available 99.9% of the time. |
| NFR-6 | Scalability | The system should be able to scale to accommodate more users and data as the user base grows. |