**Requirement Gathering and Analysis Phase**

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

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| Date | 06 July 2024 |
| Team ID | SWTID1720110658 |
| Project Name | Project – Book Store (Book Nest) |
| Maximum 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 | Registration through Form  Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Home Page | View of available books  Filter Book based on Requirement  Search Book based on Requirement  Add Books to Cart |
| FR - 4 | Wishlist | View of books added to Wishlist  Moving Books to Cart |
| FR-4 | Cart | Modification of Cart  Checkout |
| FR-5 | Order | Order Confirmation through Mail  Updation of Order History  Tracking of Orders |
| FR - 6 | Account | View User Details  View Order History |

**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** | The system should be easy to use and navigate for all users, providing a seamless user experience. |
| NFR-2 | **Security** | The system should ensure data protection through encryption, secure authentication, and authorization |
| NFR-3 | **Reliability** | The system should be reliable, with minimal downtime and consistent performance under various conditions. |
| NFR-4 | **Performance** | The system should respond quickly to user requests, with minimal latency and efficient processing. |
| NFR-5 | **Availability** | The system should be available all the time, ensuring users can access it whenever needed. |
| NFR-6 | **Scalability** | The system should be able to handle increasing loads by scaling up resources and distributing the load. |