

**Requirement Gathering and Analysis Phase**  
**Solution Requirements (Functional & Non-functional)**

|               |                                  |
|---------------|----------------------------------|
| 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.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task)   |
|--------|-------------------------------|--|
| FR-1   | User Registration             | Registration through Form<br>Registration through Gmail  |
| FR-2   | User Confirmation             | Confirmation via Email<br>Confirmation via OTP   |
| FR-3   | Home Page                     | View of available books<br>Filter Book based on Requirement<br>Search Book based on Requirement<br>Add Books to Cart |
| FR - 4 | Wishlist                      | View of books added to Wishlist<br>Moving Books to Cart  |
| FR-4   | Cart                          | Modification of Cart<br>Checkout   |
| FR-5   | Order                         | Order Confirmation through Mail<br>Updation of Order History<br>Tracking of Orders                                   |
| FR - 6 | Account                       | View User Details<br>View Order History  |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description   |
|--------|----------------------------|---|
| NFR-1  | <b>Usability</b>           | The system should be easy to use and navigate for all users, providing a seamless user experience.        |
| NFR-2  | <b>Security</b>            | The system should ensure data protection through encryption, secure authentication, and authorization     |
| NFR-3  | <b>Reliability</b>         | The system should be reliable, with minimal downtime and consistent performance under various conditions. |
| NFR-4  | <b>Performance</b>         | The system should respond quickly to user requests, with minimal latency and efficient processing.        |
| NFR-5  | <b>Availability</b>        | The system should be available all the time, ensuring users can access it whenever needed.                |

|       |                    |   |
|-------|--------------------|---|
| NFR-6 | <b>Scalability</b> | The system should be able to handle increasing loads by scaling up resources and distributing the load. |
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