**Requirement Gathering and Analysis Phase**

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

| Date | 04/07/2024 |
| --- | --- |
| Team ID | SWTID1719925692 |
| Project Name | Book Store |
| 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 Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Login | Login through Email/Password |
| FR-4 | Book Search and Browse | Search by Title , author , genre |
| FR-5 | Book Details | View book details |
| FR-6 | Shopping Cart | Add book to cart  view cart  update and remove book from cart |
| FR-7 | Sell used Books | Users can sell used books  Buy Membership to sell more books |
| FR-8 | Checkout and Payment | Enter shipping information  Integrating with razorpay API |
| FR-9 | Order Confirmation and Tracking | Order confirmation via Email  viewing the order status |
| FR-10 | User Profile Management | View profile  Update profile  View order history |
| FR-11 | Admin Management | Add/Update/delete Books  Manage users  View entire order/sale history |

**Non-functional Requirements:**

Following are the non functional requirements of the proposed solution

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | The navigation should be easy and user friendly |
| NFR-2 | **Security** | The security of the personal should be maintained at clear by having a secure string connection between the data base and backend |
| NFR-3 | **Reliability** | Under different kind of circumstances the usability of the product shouldn't be affected and tested for all conditions |
| NFR-4 | **Performance** | Loading time of the website should be less and must be able to manage huge number of requests |
| NFR-5 | **Availability** | No problems like server down should be there and the website should load within a max of 2 seconds |
| NFR-6 | **Scalability** | It should be able to handle increasing number of users and transactions |