**Requirement Gathering and Analysis Phase**

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

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| --- | --- |
| Date | 13 July 24 |
| Team ID | SWTID1720068764 |
| Project Name | Book-Store |
| 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 |
|  |  | Registration through LinkedIn |
| FR-2 | Book Browsing | Search for Books |
|  |  | Filter Books by Genre, Author, Rating |
|  |  | View Book Details |
| FR-3 | Personalized Recommendations | Recommendation Based on User Preferences |
|  |  | Recommendation Based on Purchase History |
| FR-4 | Secure Payment Processing | Payment through Credit/Debit Card |
|  |  | Payment through PayPal |
|  |  | Payment through Digital Wallets |
| FR-5 | Wishlist Management | Add Books to Wishlist |
|  |  | View Wishlist |
| FR-6 | Real-Time Updates | Notify Users of New Releases |
|  |  | Notify Users of Special Discounts |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| R No. | Non-Functional Requirement | Description |
| NFR-1 | Usability | The application should be easy to use, with an intuitive and user-friendly interface. Users should be able to navigate and find books effortlessly. |
| NFR-2 | Security | The application must ensure secure transactions, protecting user data and payment information with encryption and other security measures. |
| NFR-3 | Reliability | The application should provide consistent performance and function correctly under various conditions without crashes or errors. |
| NFR-4 | Performance | The application should load quickly and handle user requests efficiently, providing a smooth experience without significant delays. |
| NFR-5 | Availability | The application should be accessible and operational 24/7, with minimal downtime to ensure users can access it whenever they want. |
| NFR-6 | Scalability | The application should be able to handle increased traffic and a growing number of users and books without compromising performance. |