**Online Book Shop**

**Abstract**

The main objective of the project is to create an online book store that allows users to search and purchase books online. It also serves as a platform for distributors to upload and present their books to customers over the internet. A user visiting the website can see a wide range of books arranged in different categories. The user may select a desired book and view its price and customer reviews. The user may even search for specific books on the website.

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**Web pages**

1. **Sign In**: Signing In a user(both Customer & Distributor)
2. **Sign Up**: Signing Up a new user(both Customer & Distributor)
3. **Homepage:** To view books by different categories like latest arrival, best seller etc.
4. **Individual Book Page**: To view an individual book with more details
5. **Shopping Cart**: To view the books that have been added to the cart for purchase
6. **Buy**: To carry out the purchase

**Functional Requirements**

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| --- | --- |
| **Requirement Id** | **Requirement** |
| FR1 | The website shall have a home page where books are shown in different categories like latest, best selling, popular etc. |
| FR2 | Home page shall have a search bar which could search books by title, author, and genre. |
| FR3 | User shall be able to sort the search result by reviews, price or date of arrival. |
| FR4 | User shall be able to view each book individually with much more details like customer reviews. |
| FR5 | Buyer shall be able to add multiple books to the virtual shopping cart to buy them at once. |
| FR6 | cash on delivery payment |
| FR7 | online payment |
| FR7 | Distributor shall be able add book for sale for specific period of time. |
| FR8 | Distributor shall be able to view the sales record of the books uploaded. |
| FR9 | The website shall have good UX in on mobile browsers as well. |

**Non-Functional Requirements**

**Performance and scalability:** How fast does the system return results? How much will this performance change with higher workloads?

**Portability and compatibility:** Which hardware, operating systems, browsers, and their versions does the software run on? Does it conflict with other applications and processes within these environments?

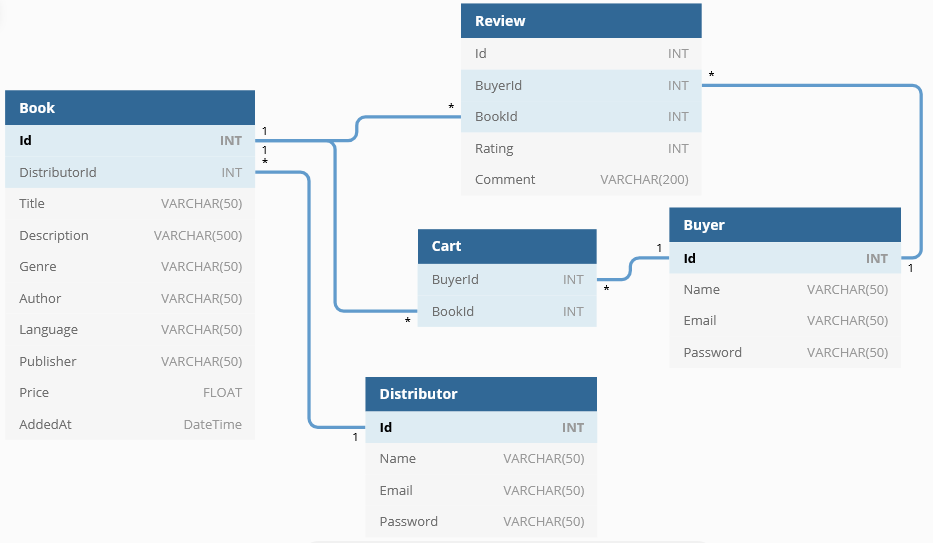
**Reliability, availability, maintainability:** How often does the system experience critical failures? And how much time is it available to users against downtimes?

**Security:** How are the system and its data protected against attacks?

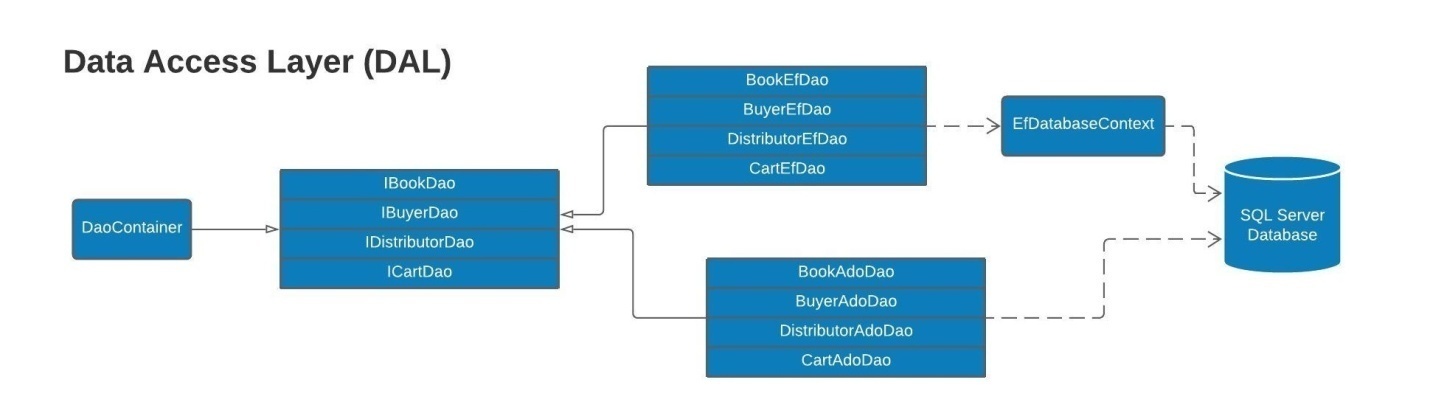
**Localization:** Does the system match local specifics?

**Usability:** How easy is it for a customer to use the system?

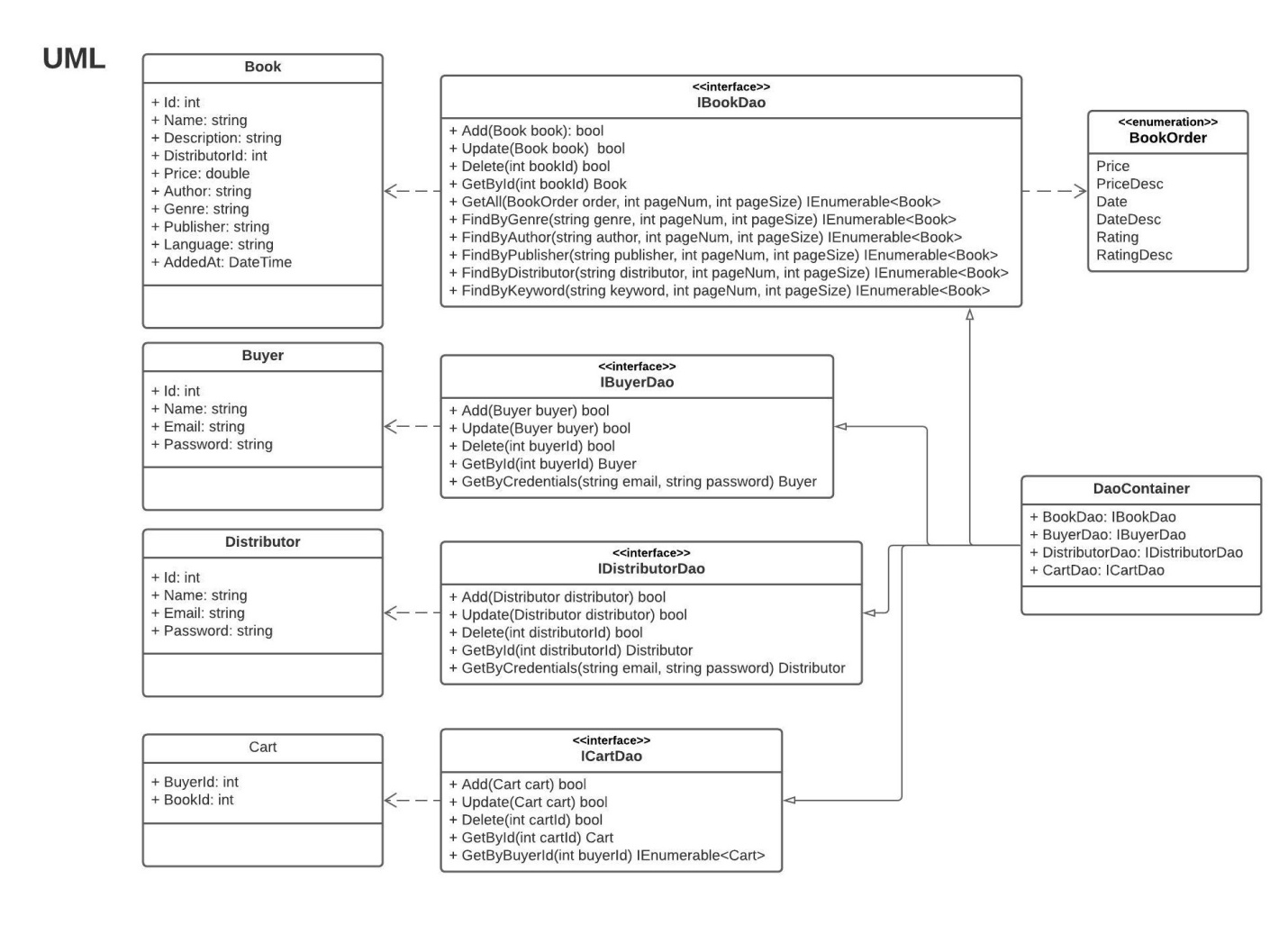
**ER Diagram**



**Data Access Layer (DAL)**

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**UML**

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