Data Glossary

User - user is a person who is using the system, it can be a customer, an administrator of the system, an administrator of an institution or a guest

Customer - is a type of a user, who is able to search/borrow/buy a book and has an account

Guest - is a type of a user, who is able to search for a book and does not have an account

Bookstore - is an institution which offers books for sale

Library - is an institution which lends books

Administrator of the system - administrator who can add or delete administrators of institutions

Administrator of institution - is an administrator of library or bookstore

Administrator of library - administrator who can add and delete books and return borrowed books to the library

Administrator of bookstore - administrator who can add and delete books and confirm book orders from bookstore

Book - book has information about book's author, title, year, isbn and category

Book category - can be one of the following: Fantasy, Sci-Fi, Criminal, Science, Drama, Children, Horror, Poetry

Book details - has information about the book and its availability. In the case of a library book, it contains a list of libraries where there is at least one book available and in the case of bookstore book, it contains a list of bookstores that offer this book

Order - the customer makes an order when he/she wants to buy or borrow a book. If a customer borrows a book, the order is finished when the administrator of the library returns the book to the library. If a customer buys a book, the order must be confirmed by the administrator of the bookstore. When the order is completed, information about the order is deleted from the system.

Buy - the customer buys a book from the bookstore by making an order

Borrow - the customer borrows a book for 30 days from the library by making an order

Search - the user searches for desired books specifying a search term (one of the book's information)

Advanced search - the user searches for a book specifying detailed information about title, author, year and/or isbn of the book

Confirmation of an order - after the customer has made an order for buying a book, the administrator of the bookstore confirms the order and the confirmation is sent to the customer's email.

Return a book - the administrator of the library returns books borrowed by the customer to the library

Reminder letter - a letter that is sent to a customer who has borrowed a book, which reminds that the book has to be returned within 3 days.

Account - stores customer's personal information that consists of a name(first and last name), email, address and phone number(for courier) and a list of books that the customer has not returned yet with the returning date

Manage books - add, search and delete a book in the institution