DOMAIN TABLE

Attribute	Domain Name	Meaning	Domain Definition
ISBN	ISBN	The set of all possible ISBN IDs	Character : size 13
Category	bookCategory	The set of all possible categories that book can has	Character : size 8 Values : Fantasy, Sci-Fi, Criminal, Science, Drama, Children, Horror, Poetry
BookStoreID	bookstoreid	The set of all possible bookstoreids	Character: size 36
LibraryID	libraryid	The set of all possible libraryids	Character: size 36
bookID	bookid	The set of all possible bookids	Character: size 36
dateOfOrder, returnDate	bookDate	The set of all possible date that book can be ordered on and returned	Date
orderid	Orderid	The set of all possible order's ids	Character: size 36
Userid	userid	The set of all possible user ids	Character: size 36

LOGICAL DATA MODEL

Book(ISBN, title, author, category, year)
PK: ISBN

Customer(customerid, name, email, address, phoneNum, password)
PK: customerid

LibraryAdministrator(admind, libraryId, name, email, password, serverUrl)
FK: libraryid
PK: adminid

BookStoreAdministrator(admind, bookstoreId, name, email, password, serverUrl)
FK: bookstoreid
PK: adminid

BookStore(bookstoreid, name)
PK: bookstoreid

Library(libraryid, name)
PK: libraryid

BookStoreStorage(isbn, bookstoreid)
FK: isbn, bookstoreid
PK: isbn

LibraryStorage(isbn, libraryid, bookid)
FK: isbn, bookstoreid
PK: bookid

BookStoreOrder(orderid, isbn, bookstoreid, customerid)
FK: isbn, bookstoreid, customerid
PK orderid

LibraryOrder(orderid, isbn, bookstoreid, customerid, dateOfOrder, returnDate)
FK: isbn, bookstoreid, customerid
PK: orderid