

REPORT

I. Information

Class: Principle of Database Management - IT079IU

Lab: Friday

Topic Project: E - Bookstore

Group Name: 2T

Members:

- Phạm Nguyễn Trường Thịnh - ITITI15068
- Bùi Nguyễn Hoàng Thông - ITITI15001

Contribution:

- Thịnh: Relational Schemas, Report, Presentation.
- Thông: ERD, Code, Database, UI, Presentation.

II. Content

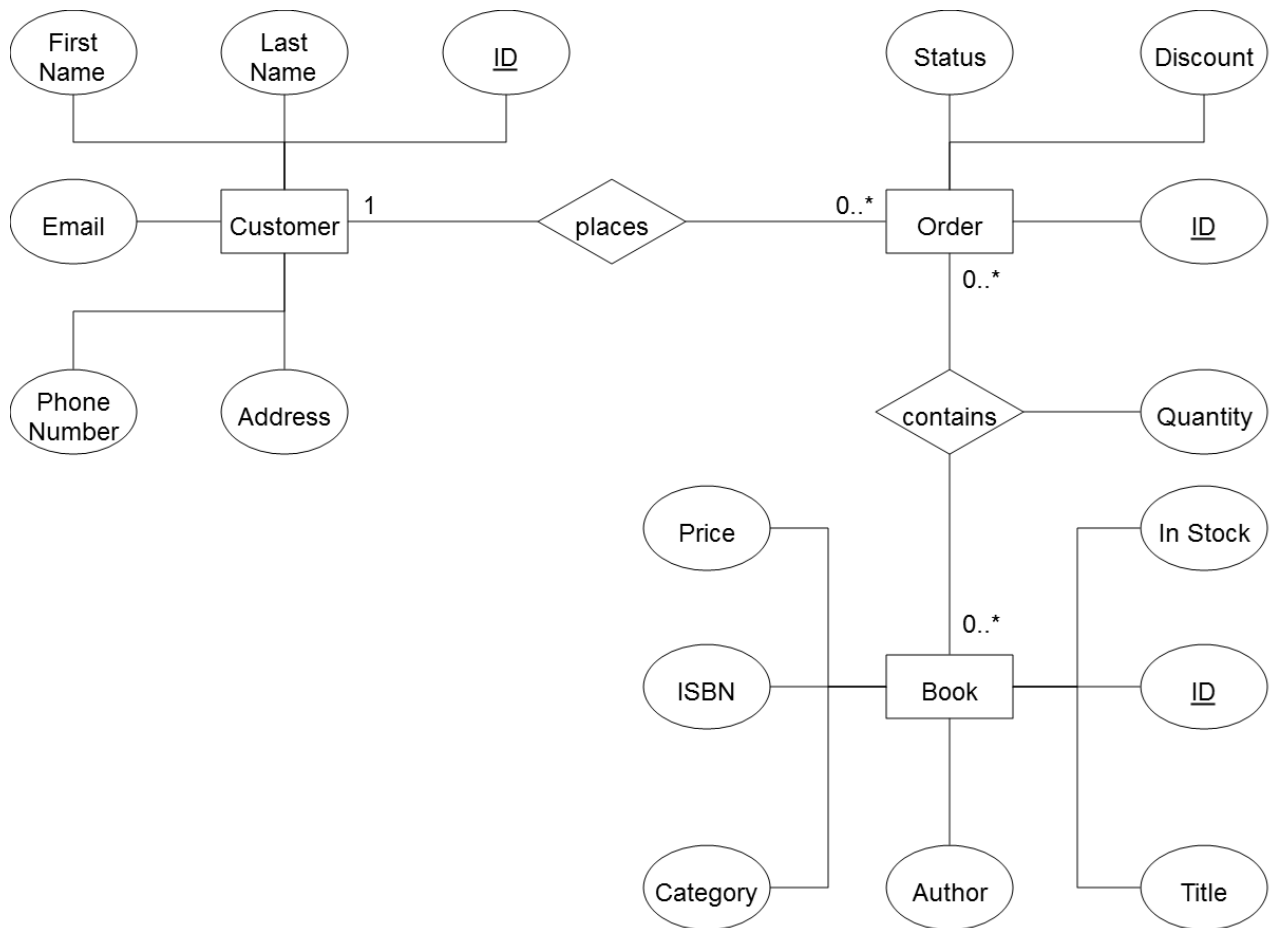
1. Introduction
2. ERD
3. Relational database schema
4. Database
5. Program
6. Conclusion

II. Introduction

We all know that book is a part in our life which we can't lack of. Whenever needing some new books or pencils, you will think about a book shop. With students having thin pockets, book shops are the place they can read new and interesting books without paying a cost. There are many type of books that appear in the Bookstore. Books in a bookstore are often organized into disciplines (language, novel, technology...). After entering the store, customers freely select and view their favorite books or magazine. When finished choosing books, they go to the check-out counter to pay their bill. This project will help you to know clearly about how customer can interact with the bookstore.

III. Database design

1. ERD



2. Relational database schema

Customer(ID, lastName, firstName, email, phoneNumber, address)

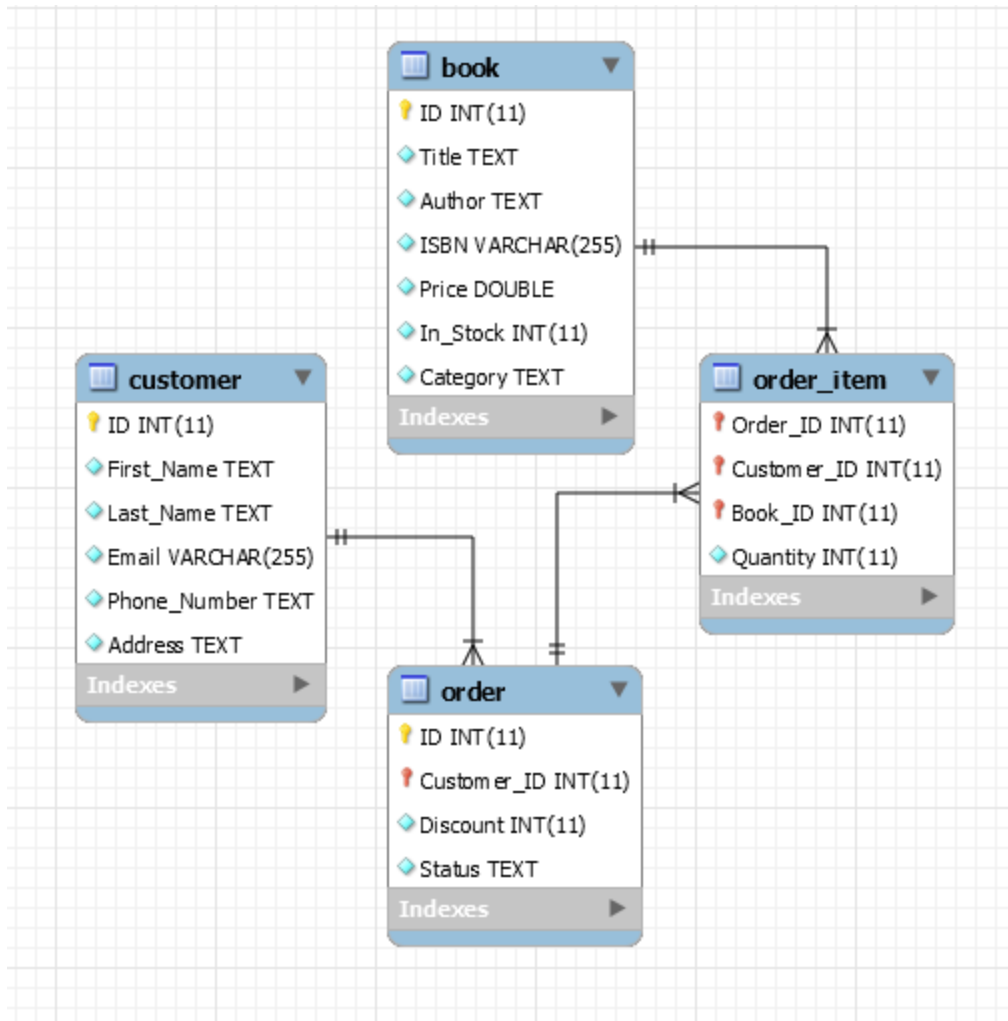
Order(ID, status, discount)

Places(customer ID, order ID)

Contains(quantity, order ID, book ID)

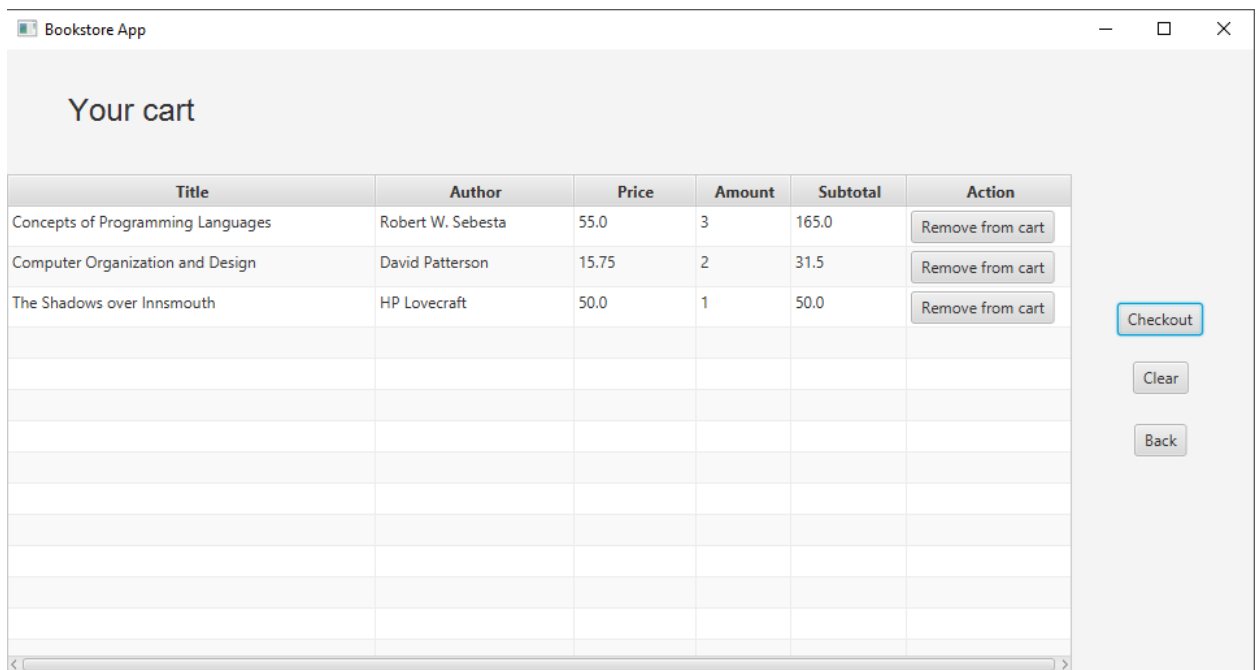
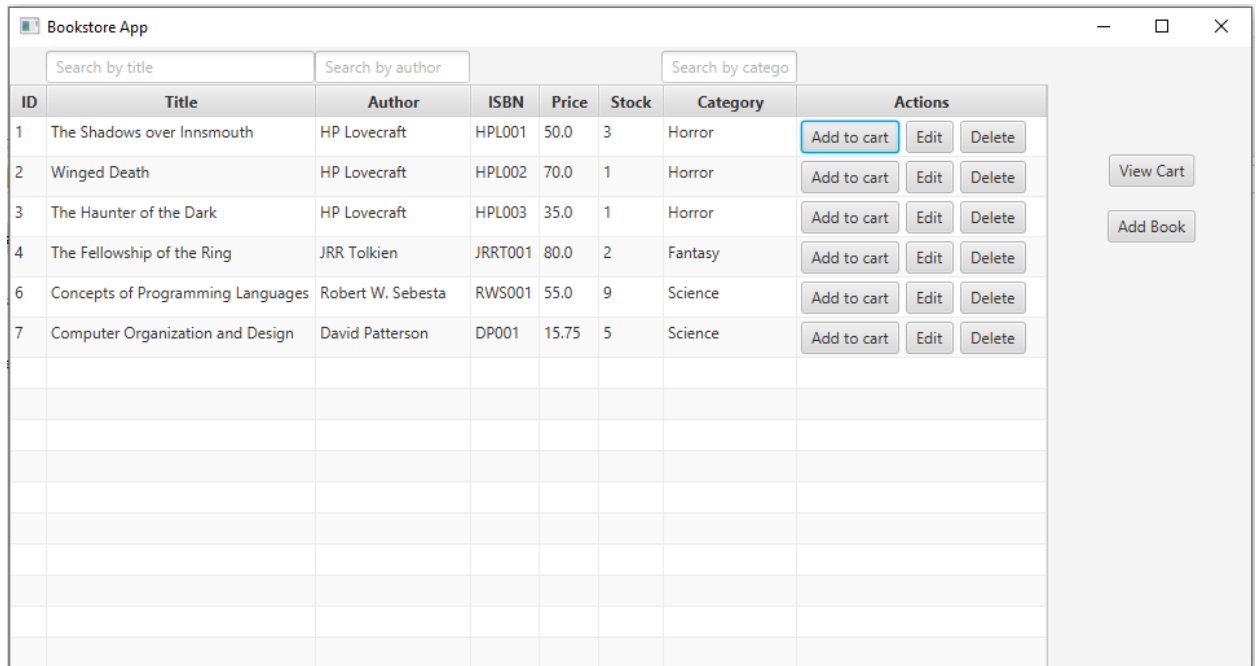
Book(ID, price, ISBN, author, inStock, title, category)

3. Database



4. Application

We've created a Java application for users to interact with the database. Users can search for books using multiple properties (name, author, category), add those books to their cart and proceed to checkout. The application also allows addition of new books and edition of existing ones. Below are some images of the application.



5. Conclusion

According to all of things you have read in the report, you will know exactly what relation of customer and bookstore. Among to the program we created so far, we want to bring to the customer not only the relational but

also how they can use the program exactly. In the future, we not only just create the program, but also develop it more comfortable for the customer.