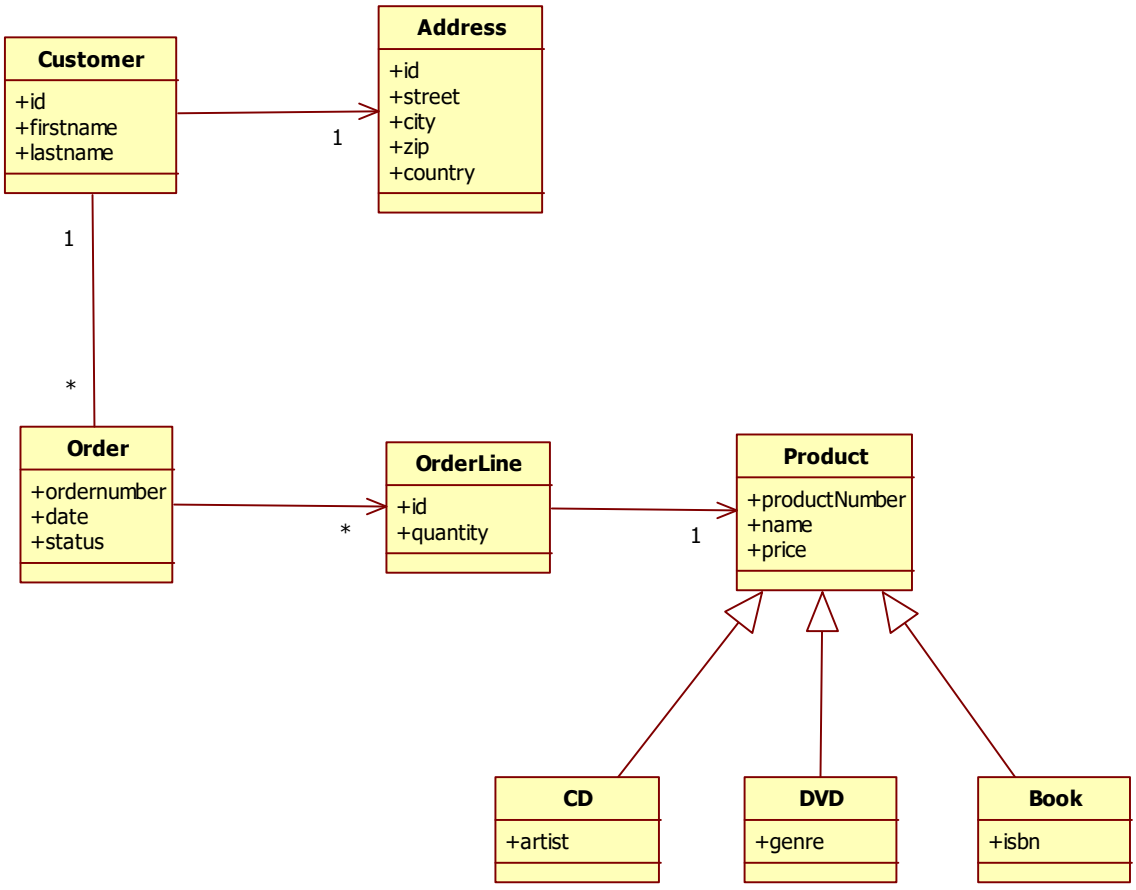
Lab 5

Part A:

Modify the application from lab4 part B to the following entity classes and test if it works.



Part B

Open the given project **Lab5PartB**. Most of the code is already provided. Modify the code so that the following classes map onto the following tables:

```
public class Appointment {
    private int id;
    private String appdate;
    private Patient patient;
    private Payment payment;
    private Doctor doctor;
```

```
public class Patient {
    private int id;
    private String name;
    private String street;
    private String zip;
    private String city;
```

```
public class Payment {
    private String paydate;
    private double amount;
```

```
public class Doctor {
    private int id;
    private String doctortype;
    private String firstname;
    private String lastname;
```

Appointment table:

ID	APPDATE	PAYDATE	AMOUNT	PATIENT	DOCTOR
1	15/05/08	12/06/08	100	1	1

Patient table:

ID	NAME
1	John Doe

Address table

PATIENT_ID	STREET	CITY	ZIP
1	100 Main Street	Boston	23114

Doctor table

ID	TYPE	FIRSTNAME	LASTNAME
1	Eye doctor	Frank	Brown

Once you have mapped the classes, test your mappings by creating an application which stores an object structure, and then retrieves it again to check everything was persisted correctly

Part C

1. Modify the bank application of lab2 such that all the domain classes are stored in the database using Spring JPA.
2. Use DTO classes on the Service layer.

What to hand in:

1. A separate zip file with the solution of part A
2. A separate zip file with the solution of part B
3. A separate zip file with the solution of part C