

Module 06: Complex Mapping

Exercise 06.1 – Complex Mapping Exercise

The Setup:

The objective of this exercise is to practice mapping classes onto a table structure that does not closely match the class structure. In other words: to practice more complex mapping.

Start this exercise by creating a new project called **exercise-06-1**. Remember to add the **Hibernate dependencies** to the project.

The Exercise:

Create an application that maps the following classes onto the tables listed next to them:

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

Appointment table:

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

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

Patient table:

ID	NAME
1	John Doe

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

Address table

PATIENT_ID	STREET	CITY	ZIP
1	100 Main Street	Boston	23114

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

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