

## Unit 3 – Compulsory assignment

The hospital has now decided to use Hibernate ORM to manage the MySQL storage, substituting the JDBC and/or Spring Template manual transfer of data:

Implement the following functionality:

1. CRUD of patient (Delete patient: If they have appointments, ask first)
2. Get information of the medications of a specific medical record
3. Get the total amount paid by each patient, ordered by amount paid
4. Append a new medical record with two medications
5. Show all medical records by patient
6. Append a new medication
7. Delete all medical records older than year 2024. If they have medications, ask the user first.
8. Add some of the queries we have been working on (Use HQL):
  - a. Show the patient with the most medical records
  - b. Show the date with more patients
  - c. Show the name and the number of medications of each patient

Decide the associations to include in the Hibernate class model, depending on the needs. Use HQL for all queries. Map dates (with LocalDate), booleans and enumerated fields.

Create the application in Java using a layered architecture and a DAO pattern