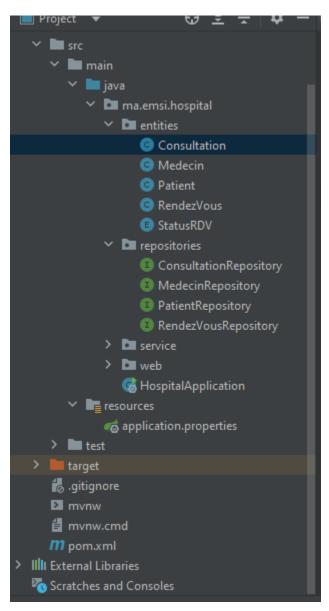
## Acitivite 2 JEE/ Spring Boot - ORM avec Spring Data JPA

## Hicham Yassine 4IIR G4

# Partie 2 APP hospital



spring.datasource.url=jdbc:h2:mem:hospital
spring.h2.console.enabled=true
server.port=8086

#### Les class

```
package ma.emsi.hospital.entities;
                                                            £5 ^
      @Entity
      @Data @NoArgsConstructor @AllArgsConstructor
10 篇
             @Id @GeneratedValue(strategy = GenerationType.IDENTITY)
12 🧠
             private Long id;
             private String nom;
13 📵
             private String email;
15 📵
             private String specialite;
             @OneToMany(mappedBy = "medecin", fetch = FetchType.LAZY)
             @JsonProperty(access = JsonProperty.Access.WRITE_ONLY)
             private Collection<RendezVous> rendezVous;
18 🗳
```

```
√ HospitalApplication.java 

✓ ■ StatusRDV.java 

ion.properties ×
                                                     Consultation.java
       package ma.emsi.hospital.entities;
       @Entity
       @mata @NoArgsConstructor @AllArgsConstructor
       public class Consultation {
13 編
            @Id @GeneratedValue(strategy = GenerationType.IDENTITY)
           private Long id;
15 🕞
            private Date dateConsultation;
16
17 📵
            private String rapport;
           @OneToOne
           @JsonProperty(access = JsonProperty.Access.WRITE_ONLY)
           private RendezVous rendezVous;
20 🜮
```

```
RendezVous.java ×
                                application.properties ×
                                                      HospitalApplication.
       import compok.vata;
       import lombok.NoArgsConstructor;
       import java.util.Collection;
       import java.util.Date;
       @Entity
       @Data @NoArgsConstructor @AllArgsConstructor
       public class Patient {
13 篇
           @Id @GeneratedValue(strategy = GenerationType.IDENTITY)
15 🚱
           private Long id;
           private String nom;
16 📵
           @Temporal(TemporalType.DATE)
18 📵
           private Date dateNaissance;
19 📵
           private boolean malade;
           @OneToMany(mappedBy = "patient",fetch = FetchType.LAZY)
        private Collection<RendezVous> rendezVous;
22 🧬
```

```
G Hospital Application
🌀 Patient.java 🗡
              ■ RendezVous.java ×  ø application.properties ×
       package ma.emsi.hospital.entities;
       @Entity
       @mata @NoArgsConstructor @AllArgsConstructor
       public class RendezVous {
10 篇
            private String id;
12 🚱
13 📵
           private Date date;
           @Enumerated(EnumType.STRING)
15 🙆
            private StatusRDV status;
           @ManyToOne
           @JsonProperty(access = JsonProperty.Access.WRITE_ONLY)
           private Patient patient;
           @ManyToOne
            private Medecin medecin;
           @OneToOne(mappedBy = "rendezVous")
22 🧬
            private Consultation consultation;
```

### Les repository

```
■ StatusRDV.java × ⑤ ConsultationRepository.java × ⑥ PatientRepository.java × ⑥ RendezVous, ▼ :

package ma.emsi.hospital.repositories;

import ma.emsi.hospital.entities.Patient;

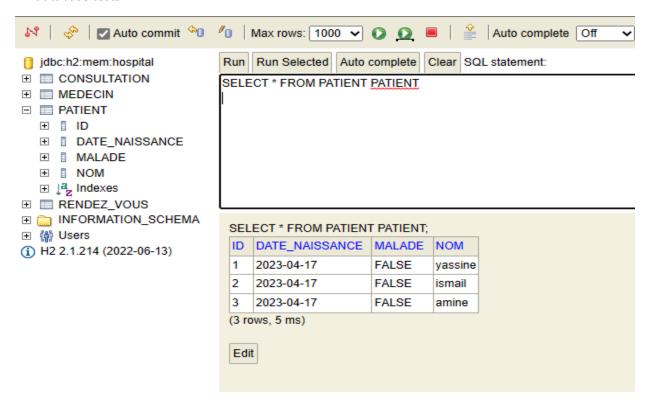
import org.springframework.data.jpa.repository.JpaRepository;

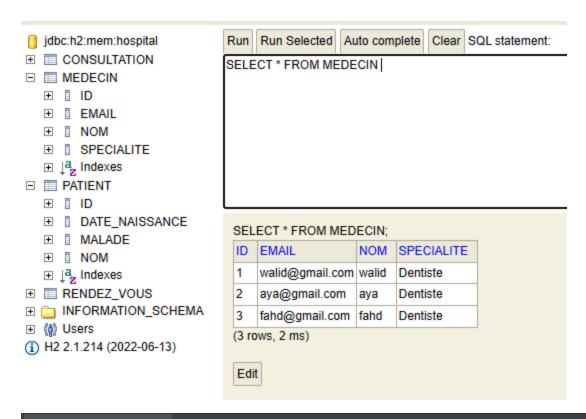
rusages

public interface PatientRepository extends JpaRepository<Patient,Long> {
    lusage
    Patient findByNom(String nom);
}
```

Main

#### H2 database tests





```
RendezVous.java × material application.properties ×
                                                          IHospitalService.java
  private PatientRepository patientRepository;
  private MedecinRepository medecinRepository;
  private RendezVousRepository rendezVousRepository;
  private ConsultationRepository consultationRepository;
  public IHospitalServiceImpl(PatientRepository patientRepository,
                               MedecinRepository medecinRepository,
                               RendezVousRepository rendezVousRepository,
                               ConsultationRepository consultationRepository) {
      this.patientRepository = patientRepository;
      this.medecinRepository = medecinRepository;
      this.rendezVousRepository = rendezVousRepository;
      this.consultationRepository = consultationRepository;
  @Override
public Patient savePatient(Patient patient) {
      return patientRepository.save(patient);
  @Override
  public Medecin saveMedecin(Medecin medecin) {
      return medecinRepository.save(medecin);
  @Override
  public RendezVous saveRDV(RendezVous rendezVous) {
      rendezVous.setId(UUID.randomUUID().toString());
      return rendezVousRepository.save(rendezVous);
  @Override
  public Consultation saveConsultation(Consultation consultation) {
```