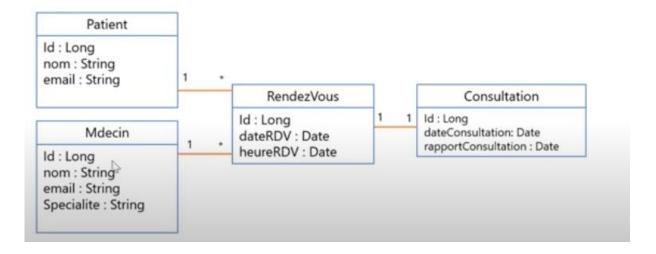
Rapport TP2 - JEE

Cas de Patient, Médecin, Rendez-vous, Consultation



1. Entities:

```
package ma.enset.tp2.entities;

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```

```
package ma.enset.tp2.entities;

import ...

import ...
```

```
package ma.enset.tp2.entities;

import ...

@Entity

@Entity

@Data @NoArgsConstructor @AllArgsConstructor

public class Patient {

@Id @GeneratedValue(strategy = GenerationType.IDENTITY)

private Long id;

@Column(length = 50)

private String nom;

@Temporal(TemporalType.DATE)

private Date dateNaissance;

private boolean malade;

@OneToMany(mappedBy = "patient", fetch = FetchType.LAZY)

private Collection<RendezVous> rendezVous;
```

```
StatusRDV.java ×

1    package ma.enset.tp2.entities;

2    public enum StatusRDV {

4         PENDING,

5         CANCELED,

6         DONE

7    }
```

2. Repositories:

```
package ma.enset.tp2.repositories;

import ma.enset.tp2.entities.Consultation;
import org.springframework.data.jpa.repository.JpaRepository;

import java.util.Date;

public interface ConsultationRepository extends JpaRepository<Consultation,Long> {
    Consultation findConsultationByDateConsultation(Date date);
}
```

3. Service:

```
HospitalServiceImpl.java ×
          @Service
              private PatientRepository patientRepository;
23 🙀
              public HospitalServiceImpl(PatientRepository patientRepository, MedecinRepository medecinRepository,
                                          Rendez Vous Repository \ rendez Vous Repository, Consultation Repository \ consultation Repository) \ \{
                  this.patientRepository = patientRepository;
                  this.medecinRepository = medecinRepository;
37 🏂
42 🚜 @
                  return rendezVousRepository.save(rendezVous);
```

4. Web:

5. Application:

```
//Patient p=patientRepository.findByIa(1L).orElse(null);
Patient p=patientRepository.findByNom( name: "Amine");
Medecin m=medecinRepository.findByNom( name: "Mustapha");

RendezVous rdv = new RendezVous();
rdv.setDate(new Date());
rdv.setStatus(StatusRDV.PENDING);
rdv.setMedecin(m);
rdv.setPatient(p);
RendezVous savedRdv = hospitalService.saveRDV(rdv);
System.out.println(savedRdv.getId());

RendezVous rendezVous = rendezVousRepository.findAll().get(0);
Consultation consultation = new Consultation();
consultation.setDateConsultation(new Date());
consultation.setRendezVous(rendezVous);
consultation.setRendezVous(rendezVous);
consultation.setRapport("Rapport de la consultation...");
hospitalService.saveConsultation(consultation);
};
```

6. Propriétés d'Application:

```
# Using H2 Database
spring.datasource.url=jdbc:h2:mem:hospitalDb
spring.h2.console.enabled=true
server.port=8086
```

7. Exécution de l'Application :

