Rapport TP2 - JEE

Cas de Patient, Médecin, Rendez-vous, Consultation

1. Entities:

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

package ma.enset.tp2.entities;

import ...

new import ...

ne
```

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

import ...

import ...
```

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

import ...

@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;
```

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|
```

```
## 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);
}
```

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

import ma.enset.tp2.entities.Patient;

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

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

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

import ma.enset.tp2.entities.RendezVous;

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

import java.util.Date;

public interface RendezVousRepository extends JpaRepository<RendezVous,String> {

RendezVous findRendezVousByDate(Date date);
}
```

3. Service:

```
## | HospitalService.java ×

| package ma.enset.tp2.service;
| package ma.enset.tp2.service;
| pimport ... |
| public interface IHospitalService {
| Patient savePatient(Patient patient);
| Medecin saveMedecin(Medecin medecin);
| RendezVous saveRDV(RendezVous rendezVous);
| Consultation saveConsultation(Consultation consultation);
| }
```

```
HospitalServicelmpl.java ×
17 🔍
24 💺
                  this.patientRepository = patientRepository;
                  this.medecinRepository = medecinRepository;
                  this.rendezVousRepository = rendezVousRepository;
                  this.consultationRepository = consultationRepository;
             public Patient savePatient(Patient patient) { return patientRepository.save(patient); }
42 🎊 @
             public Consultation saveConsultation(Consultation consultation) {
```

4. Web:

5. Application:

```
//Patient p=patientRepository.findBylom(name: "Amine");

Medecin m=medecinRepository.findByNom(name: "Mustapha");

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

RendezVous rendezVous = rendezVousRepository.findAll().get(0);

Consultation consultation = new Consultation();
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 :





