

Activité Pratique de Synthèse : Spring Mvc Spring Data, Spring Security



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Introduction:

Dans ce TP on va créer une application qui permet de gérer des patients en utilisant Spring MVC, Spring Data, JPA, Spring Security

ENNONCE:

Partie1:

Rechercher Patients, Pagination, Suppression

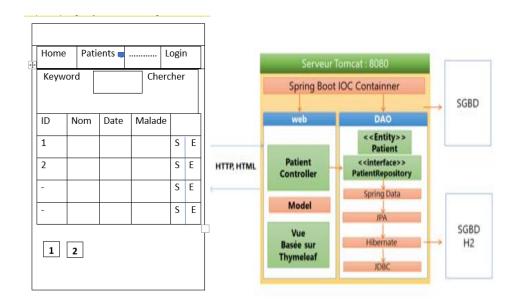
Partie2 :

Page Template, Ajouter, Validation, Modifier, Update

Partie3 :

 Sécurité InMemoryAuthentification, JDBCAuthentification, UserDetailService.

CONCEPTION ET ARCHITECTURE:



CODE SOURCE:

Le lien de mon code en GitHub : https://github.com/Khoumaniasmaa/Patient-springmvc-thymeleaf-security.git

Capture d'écran:

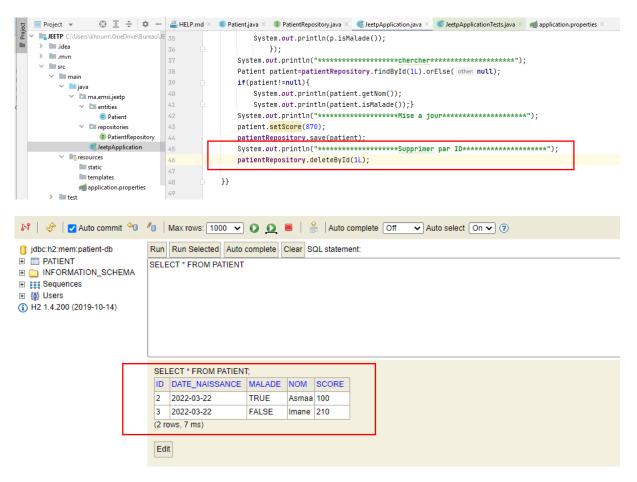
Partie 1 :

Avec H2:

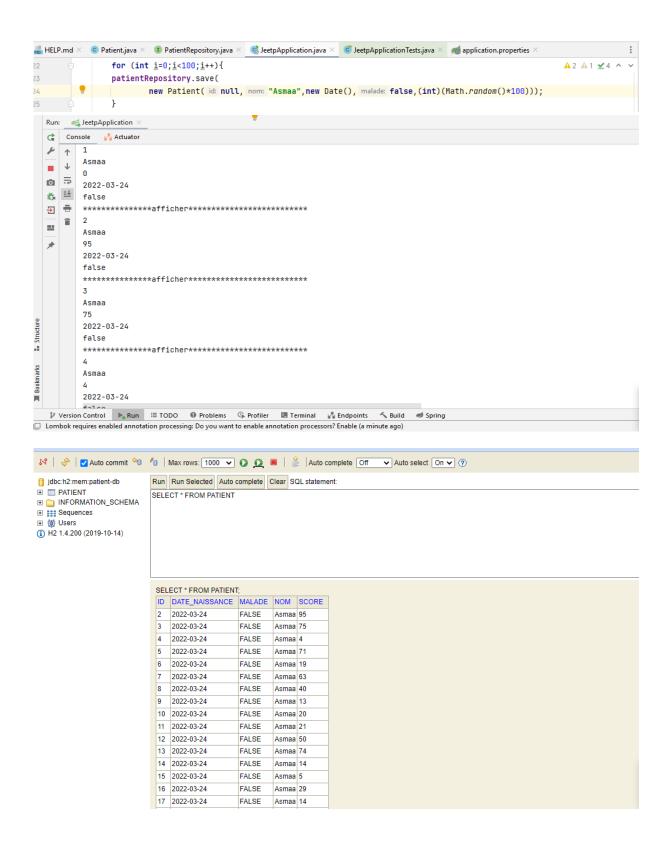
Chercher un patient avec différents critères (ID)



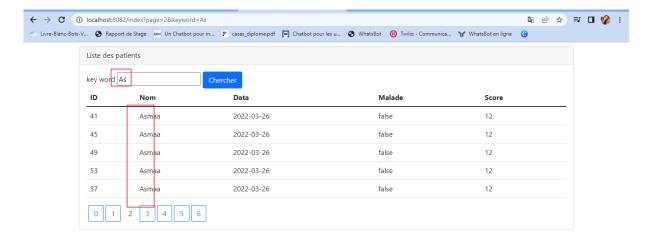
Supprimer un Patient



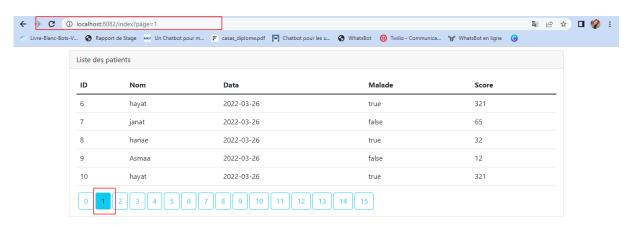
> Tester la pagination :



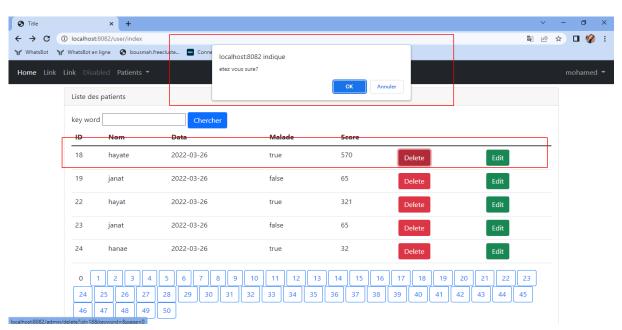
- Avec MySQL:
- > Chercher Patients:

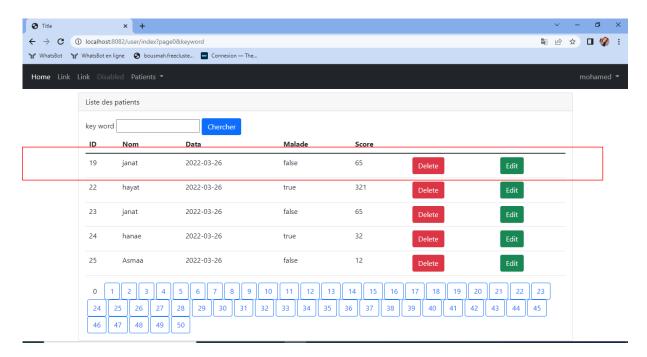


Pagination



> Supprimer:

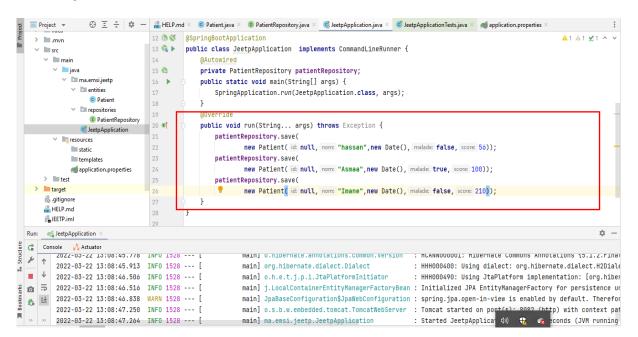


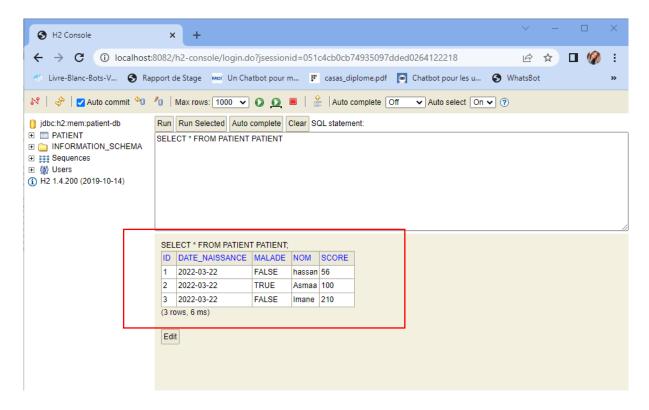


Partie2 :

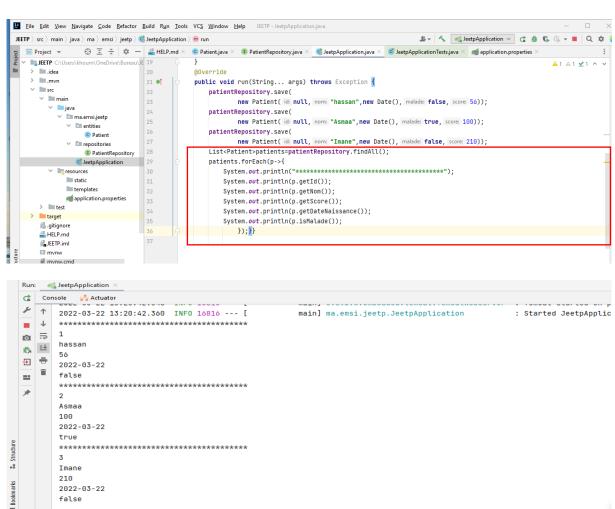
• Avec H2:

Ajouter des Patients

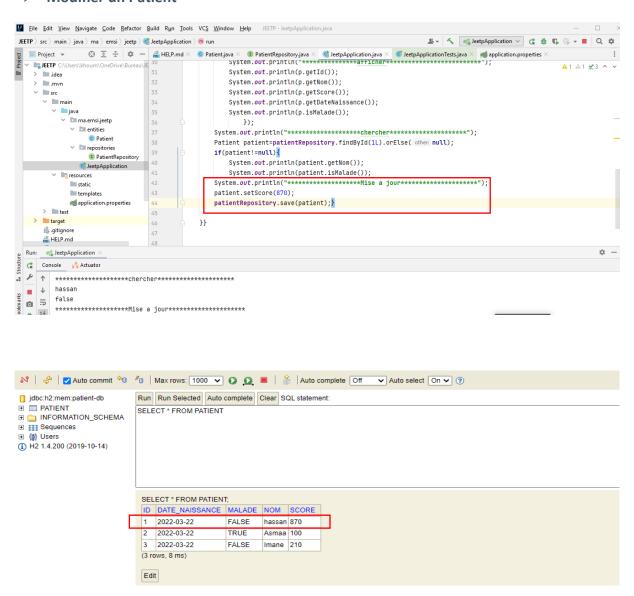




Lister des Patients :

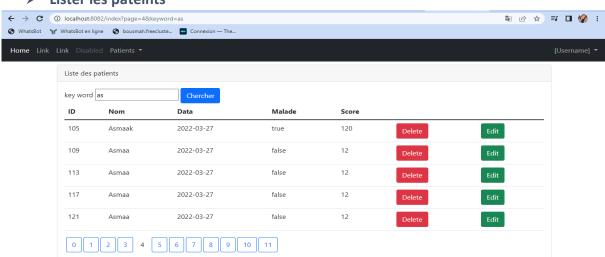


Modifier un Patient



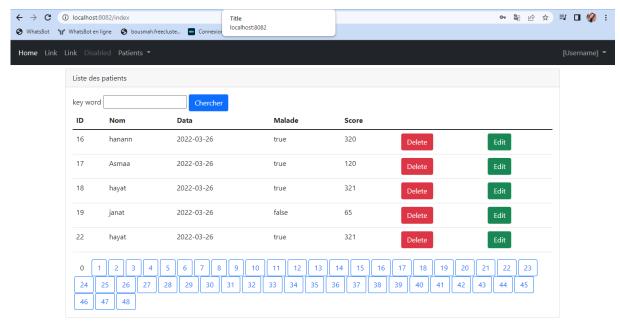
• Migrer L'application de H2 vers My SQL Avec Template

> Lister les pateints

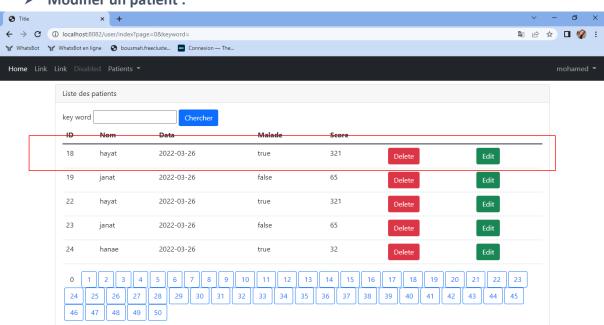


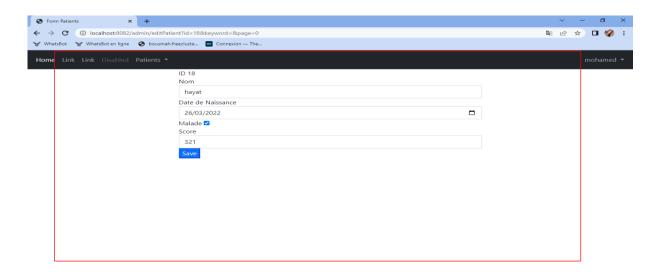
Ajouter un Patients :

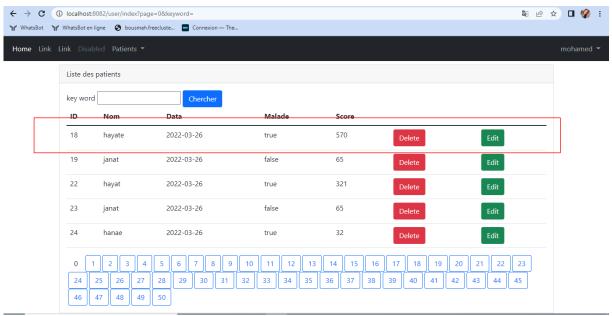




> Modifier un patient :

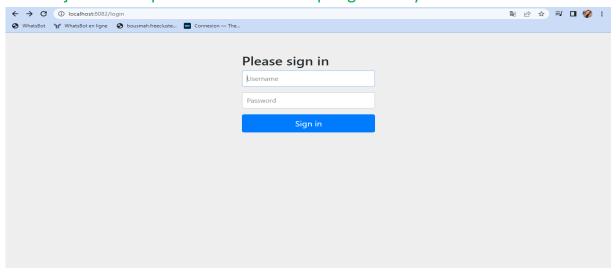






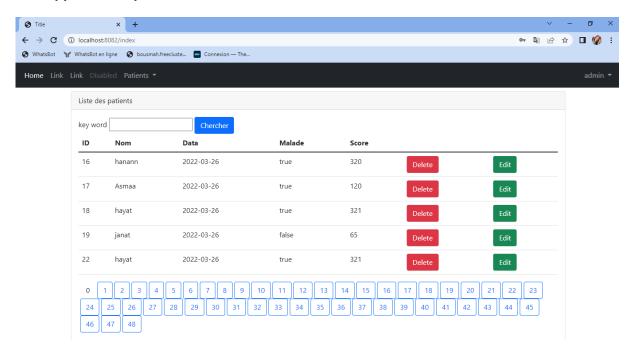
Partie3 :

1- Ajouter la dépendance Maven de spring Security

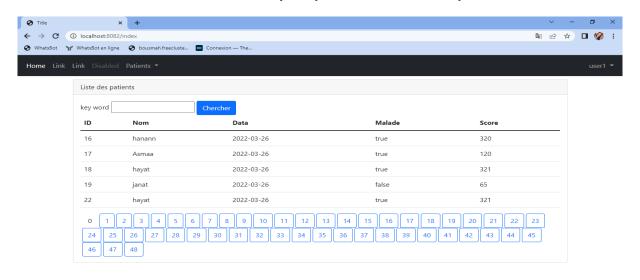


```
Run: detp3Application >
                                                                                                                                                             ф —
Console
   ♪ ↑ 2022-04-08 23:10:12.640 WARN 12328 --- [
                                                             main] JpaBaseConfiguration$JpaWebConfiguration : spring.jpa.open-in-view is enabled by default. Therefore
          2022-04-08 23:10:14.616 WARN 12328 --- [
main] .s.s.UserDetailsServiceAutoConfiguration :
   ū =
          Using generated security password: 45f99a5a-9aba-45db-a4f2-acd4f72d25a4
   新兰
± ± =
          This generated password is for development use only. Your security configuration must be updated before running your application in production.
Web
          2022-04-08 23:10:14.817 INFO 12328 --- [
                                                             main] o.s.s.web.DefaultSecurityFilterChain
                                                                                                          : Will not secure any request
          2022-04-08 23:10:15.086 INFO 12328 --- [
                                                            main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8082 (http) with context path
           2022-04-08 23:10:15.133 INFO 12328 --- [
                                                             main] ma.emsi.jeetp3.Jeetp3Application
                                                                                                          : Started Jeetp3Application in 42.226 seconds (JVM running
           2022-04-08 23:10:15.385 INFO 12328 --- [nio-8082-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                           : Initializing Spring DispatcherServlet 'dispatcherServlet
           2022-04-08 23:10:15.386 INFO 12328 --- [nio-8082-exec-1] o.s.web.servlet.DispatcherServlet
                                                                                                          : Initializing Servlet 'dispatcherServlet'
           2022-04-08 23:10:15.387 INFO 12328 --- [nio-8082-exec-1] o.s.web.servlet.DispatcherServlet
                                                                                                           : Completed initialization in 1 ms
           Hibernate: select patient0_.id as id1_0_, patient0_.date_naissance as date_nai2_0_, patient0_.malade as malade3_0_, patient0_.nom as nom4_0_, patient0_.score
```

- 2-Personnaliser la configuration de spring Security pour ajouter les restrictions suivantes avec la stratégie InMemoryAuthentication :
- Authentification avec le rôle ADMIN pour pouvoir Ajouter, Editer, mettre à jour et supprimer les patients



Authentification avec le rôle USER pour pouvoir consulter les patients

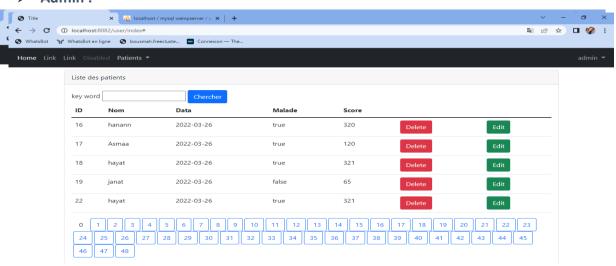


Permettre l'accès aux ressources statique(/web/jars/**) sans aucune authentification

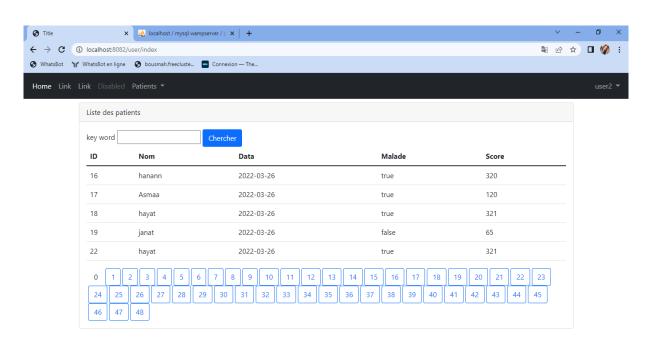


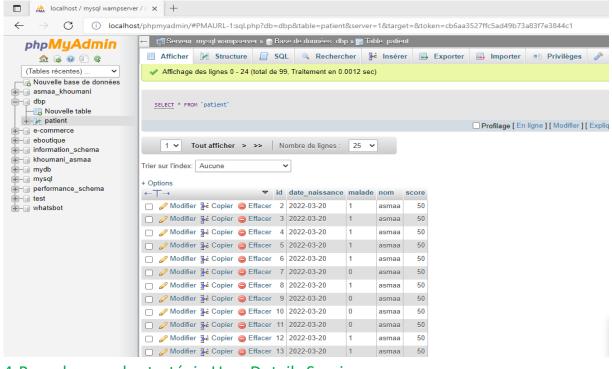
3-Basculer de la stratégie InMemoryAuthentification vers JDBCAuthentification :

> Admin:



> User:





4-Basculer vers la stratégie User Details Service :

