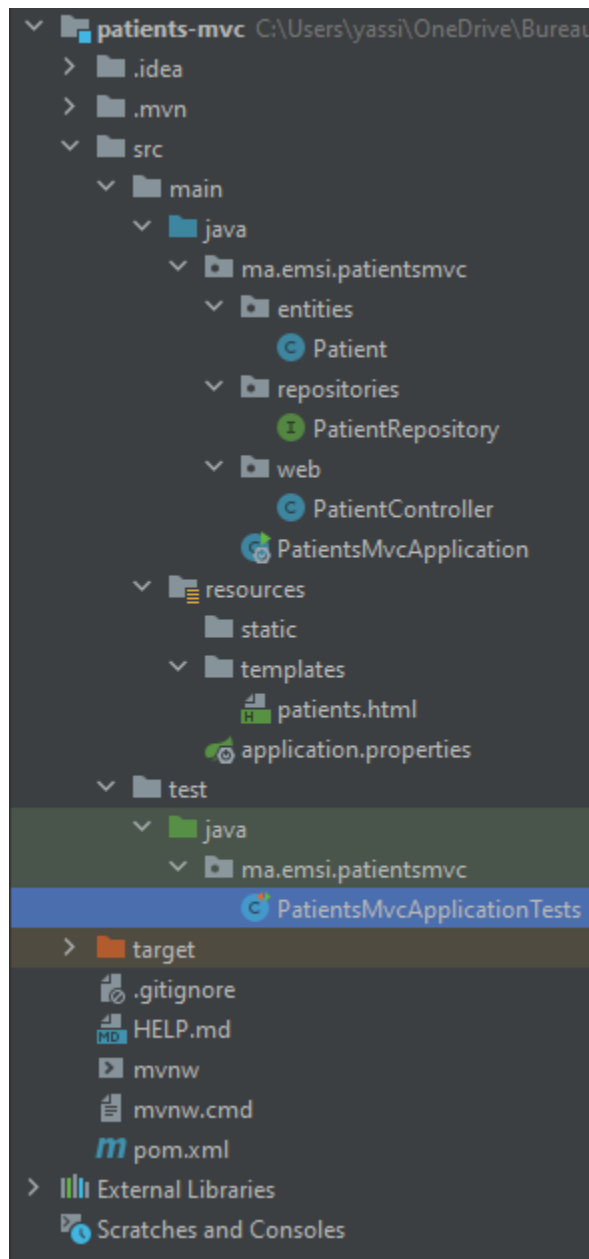


Activite 3 JEE

Spring Boot Spring MVC Thymeleaf Spring Data IntelliJ

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Partie 1



Class patient

```

Patient.java x PatientRepository.java x PatientsMvcApplication.java x application.p
1 package ma.emsi.patientsmvc.entities;
2
3 import ...
  11 usages
10 @Entity
11 @Data @AllArgsConstructor @NoArgsConstructor
12 public class Patient {
13     @Id @GeneratedValue(strategy = GenerationType.IDENTITY)
14     private Long id;
15     private String nom;
16     @Temporal(TemporalType.DATE)
17     private Date dateNaissance;
18     private boolean malade;
19     private int score ;
20 }
21
```

```

ent.java x PatientRepository.java x PatientsMvcApplication.java x application.pro
package ma.emsi.patientsmvc.repositories;

import ...

4 pages
1 usage
public interface PatientRepository extends JpaRepository<Patient, Long> {
    Page<Patient> findByNomContains(String kw, Pageable pageable);
}

```

Main

```
PatientsMvcApplication.java | application.properties | PatientController.java | PatientsMvcApplicationTests.java
package ma.emsi.patientsmvc;

import ...
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class PatientsMvcApplication {

    public static void main(String[] args) { SpringApplication.run(PatientsMvcApplication.class, args); }

    @Bean
    CommandLineRunner commandLineRunner(PatientRepository patientRepository){
        return args -> {
            patientRepository.save(new Patient(id: null, nom: "Yassine", new Date(), malade: false, score: 12));
            patientRepository.save(new Patient(id: null, nom: "Amine", new Date(), malade: true, score: 321));
            patientRepository.save(new Patient(id: null, nom: "Aya", new Date(), malade: true, score: 65));
            patientRepository.save(new Patient(id: null, nom: "Ilyas", new Date(), malade: false, score: 32));

            patientRepository.findAll().forEach(p->{
                System.out.println(p.getNom());
            });
        };
    }
}
```

Test pour la suppression Style bootstrap

localhost:8082/index

Liste des patients

key word

localhost:8082 indique
Etes-vous sur de supprimer ce patient?

OK Annuler

ID	Nom	Date	Malade	Score	Action
1	Yassine	2023-04-18	false	12	Supprimer
2	Amine	2023-04-18	true	321	Supprimer
3	Aya	2023-04-18	true	65	Supprimer
4	Ilyas	2023-04-18	false	32	Supprimer
5	Yassine	2023-04-18	false	12	Supprimer

0 1 2

un controleur pour effectuer la pagination

```
1 package ma.emsi.patientsmvc.web;
2
3 import ...
4
15 @Controller
16 @AllArgsConstructor
17 public class PatientController {
18     private PatientRepository patientRepository;
19     @GetMapping(path = "/index")
20     @RequestMapping(name = "page", defaultValue = "0") int page,
21     @RequestMapping(name = "size", defaultValue = "5") int size,
22     @RequestMapping(name = "keyword", defaultValue = "") String keyword){
23
24         |
25         Page<Patient> pagePatients = patientRepository.findByNomContains(keyword,PageRequest.of(page,size));
26         model.addAttribute( attributeName: "listPatients",pagePatients.getContent());
27         model.addAttribute( attributeName: "pages", new int[pagePatients.getTotalPages()]);
28         model.addAttribute( attributeName: "currentPage",page);
29         model.addAttribute( attributeName: "keyword",keyword);
30         return "patients";
31     }
32     @GetMapping("/delete")
33     public String delete(Long id,String keyword, int page){
34         patientRepository.deleteById(id);
35         return "redirect:/index?page="+page+"&keyword="+keyword;
36     }
37
38     @GetMapping("/")
39     public String home() { return "redirect:/index"; }
40
41
42
43     @GetMapping("/patients")
44     @ResponseBody
45     public List<Patient> listPatients() { return patientRepository.findAll(); }
46
47 }
48
49
```

la vue "patients" pour l'affichage des patients avec code pour selection page courante

```
PatientController.java x patients.html x Patient.java x PatientRepository.java x PatientsMvcApplication.java x application.properties x PatientsMvcApplic
7 </head>
8 <body>
9 <div class="container mt-2">
10 <div class="card">
11 <div class="card-header">Liste des patients</div>
12 <div class="card-body">
13 <form method="get" th:action="@{index}">
14 <label>key word</label>
15 <input type="text" name="keyword" th:value="${keyword}" >
16 <button type="submit" class="btn btn-success">Chercher</button>
17 </form>
18 <table class="table">
19 <thead>
20 <tr> <th>ID</th><th>Nom</th><th>Date</th><th>Malade</th><th>Score</th><th>Action</th> </tr>
21 </thead>
22 <tbody>
23 <tr th:each="p:${listPatients}">
24 <td th:text="${p.id}"></td>
25 <td th:text="${p.nom}"></td>
26 <td th:text="${p.dateNaissance}"></td>
27 <td th:text="${p.malade}"></td>
28 <td th:text="${p.score}"></td>
29 <td><a onclick="return confirm('Etes-vous sur de supprimer ce patient?')" class="btn btn-danger"
30 th:href="@{delete(id=${p.id}, keyword=${keyword}, page=${currentPage})}"> Supprimer </a> </td>
31 </tr>
32 </tbody>
33 </table>
34 <ul class="nav nav-pills">
35 <li th:each="page,status:${pages}">
36 <a th:class="${status.index==currentPage?'btn btn-success ms-1':'btn btn-outline-success ms-1'}"
37 th:text="${status.index}"
38 th:href="@{index(page=${status.index}, keyword=${keyword})}"></a>
39 </li>
40 </ul>
41 </div>
```

Test de BD



	id	date_naissance	malade	nom	score
<input type="checkbox"/> Éditer Copier Supprimer	1	2023-04-18	0	Yassine	12
<input type="checkbox"/> Éditer Copier Supprimer	2	2023-04-18	1	Amine	321
<input type="checkbox"/> Éditer Copier Supprimer	3	2023-04-18	1	Aya	65
<input type="checkbox"/> Éditer Copier Supprimer	4	2023-04-18	0	Ilyas	32

Test de pagination et recherche

localhost:8082/index?keyword=

Liste des patients

key word

Chercher

ID	Nom	Date	Malade	Score	Action
1	Yassine	2023-04-18	false	12	
2	Amine	2023-04-18	true	321	
3	Aya	2023-04-18	true	65	
4	Ilyas	2023-04-18	false	32	
5	Yassine	2023-04-18	false	12	

0

1

Liste des patients

key word

Chercher

ID	Nom	Date	Malade	Score	Action
1	Yassine	2023-04-18	false	12	
5	Yassine	2023-04-18	false	12	

0