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MEMO Thymeleaf

▼ Configuration

▼ Maven

pom.xml

```
<dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-thymeleaf</artifactId>
</dependency>
```

▼ Documentation officielle

https://www.thymeleaf.org/documentation.html

▼ Exemple: Afficher du texte dynamique

▼ View Template

`src/main/resources/templates/hello.html`

```
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8"/>
    <title>Hello Thymeleaf!</title>
</head>
<body>
    <p th:text="'Hello, ' + ${name} + '!'" />
</body>
</html>
```

▼ Controller

`HelloController.java`

```
@Controller
public class HelloController {

    @GetMapping("/hello")
    public String hello(Model model, @RequestParam(value="name", required=false, defaultValue="World") String name) {
        model.addAttribute("name", name);
        return "hello"; // ou "hello.html"
    }
}
```

▼ Afficher

http://localhost:8080/hello?name=alain

▼ Exemple: Boucle

▼ Controller

`MvcController.java`

```
@GetMapping("/personnes")
public String hello(Model model) {

    model.addAttribute("personnes", annuaireService.getPersonnes());
    return "personnes";
}
```

▼ View Template

`src/main/resources/templates/personnes.html`

```
<ul th:each="p:${people}">
    <li th:text="${p.firstName} + ' ' + ${p.lastName}"></li>
</ul>
```

```
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8"/>
    <title>Hello Thymeleaf!</title>
    <style>
        table, td, th {
            border: 1px solid black;
        }
        table {
            border-collapse: collapse;
        }
        td {
            padding: 3px;
        }
    </style>
</head>
<body>
    <h1>Annuaire</h1>
    <table>
        <tr><th>Prénom</th><th>Nom</th></tr>
        <tr th:each="p: ${personnes}">
            <td th:text="${p.prenom}" />
            <td th:text="${p.nom}" />
        </tr>
    </table>
</body>
</html>
```

▼ Exemple: Switch

▼ View Template

`src/main/resources/templates/personnes.html`

```
<div th:switch="${#lists.size(personnes)}">
    <span th:case="'0'">Annuaire vide !</span>
    <span th:case="'1'" th:text="'Une seule personne : '+ ${personnes.get(0).prenom} + ' ' + ${personnes.get(0).nom}"></span>
    <div th:case="*">
        <table>
            <tr><th>Prénom</th><th>Nom</th></tr>
            <tr th:each="personne: ${personnes}">
                <td th:text="${personne.getPrenom()}" />
                <td th:text="${personne.getNom()}" />
            </tr>
        </table>
    </div>
</div>
```

▼ Controller

`MvcController.java`

```
@GetMapping("/personnes")
public String hello(Model model) {

    /* Case 0 */
    //model.addAttribute("personnes", new ArrayList<Personne>());

    /* Case 1 */
    //  ArrayList<Personne> unePersonne = new ArrayList<Personne>();
    //  unePersonne.add(new Personne("Jean",  "Bon"));
    //  model.addAttribute("personnes", unePersonne);

    /* Case n */
    model.addAttribute("personnes", annuaireService.getPersonnes());

    return "personnes";
}
```

▼ Exemple: Formulaire HTML

▼ View Template

`src/main/resources/templates/add-personne.html`

```
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
    <meta charset="UTF-8"/>
    <title>Hello Thymeleaf!</title>
    <style>
        form {
            width:250px;
        }
        form > div {
            display:flex;
            justify-content: space-between;
            margin: 3px;
        }
        #btn-container {
            display: flex;
            justify-content: center;
        }
    </style>
</head>
<body>
    <h1>Annuaire</h1>

    <form method="POST" action="add-personne">
        <div>
            <label for="prenom">Prénom</label>
            <input type="text" name="prenom" id="prenom">
        </div>
        <div>
            <label for="nom">Nom</label>
            <input type="text" name="nom" id="nom">
        </div>
        <div id="btn-container"><input type="submit" value="Créer"></div>

    </form>

</body>
</html>
```

▼ Controller

> Attention à ne pas mettre le `@RequestBody` car la Personne n'est pas envoyée en JSON mais à partir d'un <form>, le mode de transmission est différent.

`MvcController.java`

```
@GetMapping("add-personne")
public String addPersonneForm() {
    return "add-personne";
}
@PostMapping("add-personne")
public String addPersonne(Personne p, Model model) {

    annuaireService.addPersonne(p);

    model.addAttribute("personnes", annuaireService.getPersonnes());
    return "personnes";
}
```