<http://blog.csdn.net/pdw2009/article/details/44700897>

转自:[http://www.cnblogs.com/dreamfree/p/4158557.html](http://www.cnblogs.com/dreamfree/p/4158557.html?utm_source=tuicool)

Thymeleaf是个XML/XHTML/HTML5模板引擎，可以用于Web与非Web应用。

Thymeleaf的主要目标在于提供一种可被浏览器正确显示的、格式良好的模板创建方式，因此也可以用作静态建模。你可以使用它创建经过验证的XML与HTML模板。相对于编写逻辑或代码，开发者只需将标签属性添加到模板中即可。接下来，这些标签属性就会在DOM（文档对象模型）上执行预先制定好的逻辑。Thymeleaf的可扩展性也非常棒。你可以使用它定义自己的模板属性集合，这样就可以计算自定义表达式并使用自定义逻辑。这意味着Thymeleaf还可以作为模板引擎框架。

Thymeleaf的模板还可以用作工作原型，Thymeleaf会在运行期替换掉静态值。例如下面的html文件，当作为静态文件时，product name显示为Red Chair，当运行在容器中并提供product这个对象时，product name的值会自动替换为product.description对应的值。

1.bean值替换

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 2</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 1: bean values</h1>

10 <h2>Product information</h2>

11 <dl>

12 <dt>Product name</dt>

13 <dd th:text="${product.description}">Red Chair</dd>

14

15 <dt>Product price</dt>

16 <dd th:text="${product.price}">350</dd>

17

18 <dt>Product available from</dt>

19 <dd th:text="${product.availableFrom}">2014-12-01</dd>

20 </dl>

21 </body>

22 </html>

2.简单数据转换（数字，日期）

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 2</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 2: bean values</h1>

10 <h2>Product information</h2>

11 <dl>

12 <dt>Product name</dt>

13 <dd th:text="${product.description}">red Chair</dd>

14

15 <dt>Product price</dt>

16 <dd th:text="${#numbers.formatDecimal(product.price, 1, 2)}">180</dd>

17

18 <dt>Product available from</dt>

19 <dd th:text="${#dates.format(product.availableFrom, 'yyyy-MM-dd')}">2014-12-01</dd>

20 </dl>

21 </body>

22 </html>

3.字符串拼接

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 3</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 3: string concatenation</h1>

10 <h2>Product information</h2>

11 <dl>

12 <dt>Product price</dt>

13 <dd th:text="${'$'+product.price}">235</dd>

14 </dl>

15 </body>

16 </html>

4.国际化

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title th:text="#{tutorial.exercise4}">Thymeleaf tutorial: exercise 4</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1 th:text="#{tutorial.exercise4}">Thymeleaf tutorial - Solution for exercise 4: internationalization</h1>

10 <h2 th:text="#{product.info}">Product information</h2>

11 <dl>

12 <dt th:text="#{product.name}">Product name</dt>

13 <dd th:text="${product.description}">Red chair</dd>

14

15 <dt th:text="#{product.price}">Product price</dt>

16 <dd th:text="${#numbers.formatDecimal(product.price, 1, 2)}">350</dd>

17

18 <dt th:text="#{product.available}">Product available from</dt>

19 <dd th:text="${#dates.format(product.availableFrom, 'dd-MMM-yyyy')}">28-Jun-2013</dd>

20 </dl>

21 </body>

22 </html>

此时html需要相应的配置文件。例如如下配置文件：

en：

tutorial.exercise4=Thymeleaf tutorial - exercise 4: internationalization

product.info=Product information

product.name=Product name

product.price=Product price

product.available=Product available **from**

back=Back

fr

tutorial.exercise4=Tutorial De Thymeleaf - exercice 4: l'internationalisation

product.info=Information du produit

product.name=Nom du produit

product.price=Prix du produit

product.available=Produit disponible depuis

back=Revenir

5.转义和非转义文本

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 5</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Solution for exercise 5: escaped and unescaped text</h1>

10 <div th:text="${html}">

11 Some escaped text

12 </div>

13 <div th:utext="${html}">

14 Some unescaped text

15 </div>

16 </body>

17 </html>

上述两个div分别生成的html代码为

<div>This is an <em>HTML</em> text. <b>Enjoy yourself!</b></div>

<div>This is an <em>HTML</em> text. <b>Enjoy yourself!</b></div>

6.迭代

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 6</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 6: iteration</h1>

10 <h2>Product list</h2>

11 <table>

12 <thead>

13 <tr>

14 <th>Description</th>

15 <th>Price</th>

16 <th>Available from</th>

17 </tr>

18 </thead>

19 <tbody th:remove="all-but-first">

20 <tr th:each="product:${productList}">

21 <td th:text="${product.description}">Red Chair</td>

22 <td th:text="${'$' + #numbers.formatDecimal(product.price, 1, 2)}">$123</td>

23 <td th:text="${#dates.format(product.availableFrom, 'yyyy-MM-dd')}">2014-12-01</td>

24 </tr>

25 <tr>

26 <td>White table</td>

27 <td>$200</td>

28 <td>15-Jul-2013</td>

29 </tr>

30 <tr>

31 <td>Reb table</td>

32 <td>$200</td>

33 <td>15-Jul-2013</td>

34 </tr>

35 <tr>

36 <td>Blue table</td>

37 <td>$200</td>

38 <td>15-Jul-2013</td>

39 </tr>

40 </tbody>

41 </table>

42 </body>

43 </html>

7.迭代统计

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 7</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Solution for exercise 7: iteration stats</h1>

10 <h2>Product list</h2>

11 <table>

12 <thead>

13 <tr>

14 <th>Index</th>

15 <th>Description</th>

16 <th>Price</th>

17 <th>Available from</th>

18 </tr>

19 </thead>

20 <tbody th:remove="all-but-first">

21 <tr th:each="product : ${productList}">

22 <td th:text="${productStat.count}">1</td>

23 <td th:text="${product.description}">Red chair</td>

24 <td th:text="${'$' + #numbers.formatDecimal(product.price, 1, 2)}">$350</td>

25 <td th:text="${#dates.format(product.availableFrom, 'dd-MMM-yyyy')}">28-Jun-2013</td>

26 </tr>

27 <tr>

28 <td>2</td>

29 <td>White table</td>

30 <td>$200</td>

31 <td>15-Jul-2013</td>

32 </tr>

33 <tr>

34 <td>3</td>

35 <td>Reb table</td>

36 <td>$200</td>

37 <td>15-Jul-2013</td>

38 </tr>

39 <tr>

40 <td>4</td>

41 <td>Blue table</td>

42 <td>$200</td>

43 <td>15-Jul-2013</td>

44 </tr>

45 </tbody>

46 </table>

47 </body>

48 </html>

8.条件判断

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 8</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 8: conditions</h1>

10 <h2>Product list</h2>

11 <table>

12 <thead>

13 <tr>

14 <th>Description</th>

15 <th>Price</th>

16 <th>Available from</th>

17 <th></th>

18 </tr>

19 </thead>

20 <tbody>

21 <tr th:each="product : ${productList}">

22 <td th:text="${product.description}">Red chair</td>

23 <td th:text="${'$' + #numbers.formatDecimal(product.price, 1, 2)}">$350</td>

24 <td th:text="${#dates.format(product.availableFrom, 'dd-MMM-yyyy')}">28-Jun-2013</td>

25 <td>

26 <span th:if="${product.price lt 100}" class="offer">Special offer!</span>

27 </td>

28 </tr>

29 </tbody>

30 </table>

31 </body>

32 </html>

9.更多条件判断

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 9</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 9: more on conditions</h1>

10 <h2>Customer list</h2>

11 <table>

12 <thead>

13 <tr>

14 <th>First name</th>

15 <th>Last name</th>

16 <th>Gender</th>

17 <th>Payment method</th>

18 <th>Balance</th>

19 </tr>

20 </thead>

21 <tbody th:remove="all-but-first">

22 <tr th:each="customer : ${customerList}">

23 <td th:text="${customer.firstName}">Peter</td>

24 <td th:text="${customer.lastName}">Jackson</td>

25 *<!--*

*26 Use th:switch for selecting content based on ${customer.gender}.*

*27 As genre can be null if unknown, better use ${customer.gender?.name()}*

*28 for obtaining its name.*

*29 -->*

30 <td th:switch="${customer.gender?.name()}">

31 <img th:case="'MALE'" src="../../../images/male.png" th:src="@{/images/male.png}" alt="Male" /> *<!-- Use "/images/male.png" image -->*

32 <img th:case="'FEMALE'" src="../../../images/female.png" th:src="@{/images/female.png}" alt="Female" /> *<!-- Use "/images/female.png" image -->*

33 <span th:case="\*">Unknown</span>

34 </td>

35 <td>

36 <span th:text="${customer.paymentMethod.description}">Direct debit</span>

37 *<!-- Show next message only when paymentMethod is not CREDIT\_CARD -->*

38 <span th:unless="${customer.paymentMethod.name() == 'CREDIT\_CARD'}" class="warn">

39 Payment must be done in the next 4 days

40 </span>

41 </td>

42 *<!-- Add class="enhanced" when balance is greater than 10000 -->*

43 <td th:class="${customer.balance gt 10000} ? 'enhanced'" th:text="${customer.balance}">350</td>

44 </tr>

45 <tr>

46 <td>Mary</td>

47 <td>Johanson</td>

48 <td><img src="../../../images/female.png" /></td>

49 <td><span>Credit card</span></td>

50 <td>5000</td>

51 </tr>

52 <tr>

53 <td>Robert</td>

54 <td>Allen</td>

55 <td><img src="../../../images/male.png" /></td>

56 <td>

57 <span>Credit card</span>

58 <span class="warn">Payment must be done in the next 4 days</span>

59 </td>

60 <td class="enhanced">50000</td>

61 </tr>

62 </tbody>

63 </table>

64 </body>

65 </html>

10.Spring表达式语言

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 10</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Solution for exercise 10: Spring Expression language</h1>

10

11 <h2>Arithmetic expressions</h2>

12 <p class="label">Four multiplied by minus six multiplied by minus two module seven:</p>

13 <p class="answer" th:text="${4 \* -6 \* -2 % 7}">123</p>

14

15 <h2>Object navigation</h2>

16 <p class="label">Description field of paymentMethod field of the third element of customerList bean:</p>

17 <p class="answer" th:text="${customerList[2].paymentMethod.description}">Credit card</p>

18

19 <h2>Object instantiation</h2>

20 <p class="label">Current time milliseconds:</p>

21 <p class="answer" th:text="${new java.util.Date().getTime()}">22-Jun-2013</p>

22

23 <h2>T operator</h2>

24 <p class="label">Random number:</p>

25 <p class="answer" th:text="${T(java.lang.Math).random()}">123456</p>

26 </body>

27 </html>

11.超链接

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 11</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Answer for exercise 11: links</h1>

10 <h2>Product actions</h2>

11 <ul>

12 <li><a href="#" th:href="@{/exercise11/product.html(action='view')}">View product</a></li>

13 <li><a href="#" th:href="@{/exercise11/product.html(action='edit')}">Edit product</a></li>

14 </ul>

15 </body>

16 </html>

12.表单

1 **<!**DOCTYPE html>

2 <html xmlns:th="http://www.thymeleaf.org">

3 <head>

4 <title>Thymeleaf tutorial: exercise 12</title>

5 <link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

6 <meta charset="utf-8" />

7 </head>

8 <body>

9 <h1>Thymeleaf tutorial - Solution for exercise 12: forms</h1>

10 <h2>Customer edition</h2>

11 <form action="saveCustomer.html" th:action="@{/exercise12/saveCustomer.html}" th:object="${customer}" method="post">

12 <input type="hidden" th:field="\*{id}" />

13

14 <label for="firstName">First name:</label>

15 <input type="text" th:field="\*{firstName}" value="John" />

16

17 <label for="lastName">Last name:</label>

18 <input type="text" th:field="\*{lastName}" value="Wayne" />

19

20 Genre:

21 <div th:each="gender : ${genders}" class="radio">

22 <input type="radio" th:value="${gender}" th:field="\*{gender}" />

23 <label th:for="${#ids.prev('gender')}" th:text="${gender.description}">Male</label>

24 </div>

25 <div th:remove="all" class="radio">

26 <input type="radio" />

27 <label>Female</label>

28 </div>

29

30 <label for="paymentMethod">Payment method:</label>

31 <select th:field="\*{paymentMethod}" th:remove="all-but-first">

32 <option th:each="paymentMethod : ${paymentMethods}"

33 th:value="${paymentMethod}" th:text="${paymentMethod.description}">Credit card</option>

34 <option>Another payment method</option>

35 <option>Another payment method</option>

36 </select>

37

38 <label for="balance">Balance (dollars):</label>

39 <input type="text" th:field="\*{balance}" size="10" value="2500" />

40

41 <input type="submit" />

42 </form>

43 </body>

44 </html>

13.内联

**<!**DOCTYPE html>

<html xmlns:th="http://www.thymeleaf.org">

<head>

<title>Thymeleaf tutorial: exercise 13</title>

<link rel="stylesheet" href="../../../css/main-static.css" th:href="@{/css/main.css}" />

<meta charset="utf-8" />

</head>

<body>

<h1>Thymeleaf tutorial - Solution for exercise 13: inlining</h1>

<h2>Birthday email</h2>

<form action="#" method="post">

<label for="body">Message body:</label>

<textarea id="body" name="body" th:inline="text">

Dear [[${customerName}]],

it is our sincere pleasure to congratulate your in your birthday:

Happy birthday [[${customerName}]]!!!

See you soon, [[${customerName}]].

Regards,

The Thymeleaf team

</textarea>

<input type="submit" value="Send mail" />

</form>

</body>

</html>

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以上资料都来自http://itutorial.thymeleaf.org/。如果对Thymeleaf有兴趣，可以试试他们做的交互教程，很是好用。上面的html代码都是来自thymeleaf的交互教程