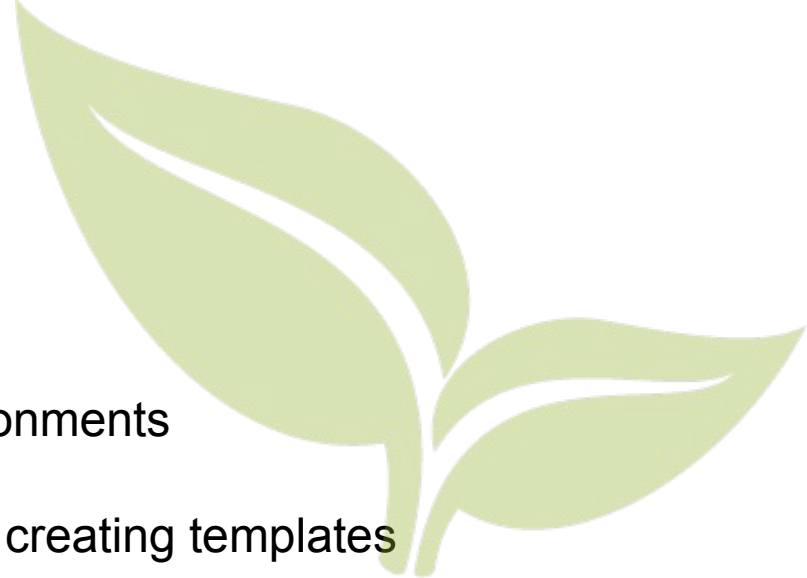# Thymeleaf

Kristina Sukhomlina
A4M35OSP

Thymeleaf: project description

- template engine for web and non-web environments

- provides an elegant and well-formed way of creating templates

- natural concept = templates as working prototypes

- created by Daniel Fernández

Thymeleaf: example

```
1    <table>
2      <thead>
3        <tr>
4          <th th:text="#{msgs.headers.name}">Name</th>
5          <th th:text="#{msgs.headers.price}">Price</th>
6        </tr>
7      </thead>
8      <tbody>
9        <tr th:each="prod : ${allProducts}">
10         <td th:text="${prod.name}">Oranges</td>
11         <td th:text="${#numbers.formatDecimal(prod.price,1,2)}">0.99</td>
12       </tr>
13     </tbody>
14   </table>
```

Thymeleaf: features

- complete substitute for JSP and JSTL

- modularity

- internationalization support

- extensible (everything)

- reduced input/output to the minimum (high performance parsed template cache)

Thymeleaf: technical parameters

- Thymeleaf is a Java library

- capable of processing and generating HTML, XML, JavaScript, CSS and text

- based on modular *feature sets* called dialects:
  - *Standard / SpringStandard / custom*

- optional module for integration with Spring MVC

Thymeleaf: project organization

- Members and Contributors

- Versions: x.y.z:

    - current stable ver. 2.1.4.RELEASE

- preparing Thymeleaf 3.0:

    - beta version already available 3.0.0.BETA02

- Communication:

    - GitHub, User forum, Twitter

Thymeleaf: contribution

```
<div th:class="${someVariable} ??

                        'value' : 'expression',

                ${anotherValue} : #{otherexpression}">
```

- Add a switch-case complex expression to the library

- Enable its parsing and executing

Thymeleaf

Thank you for your attention!