

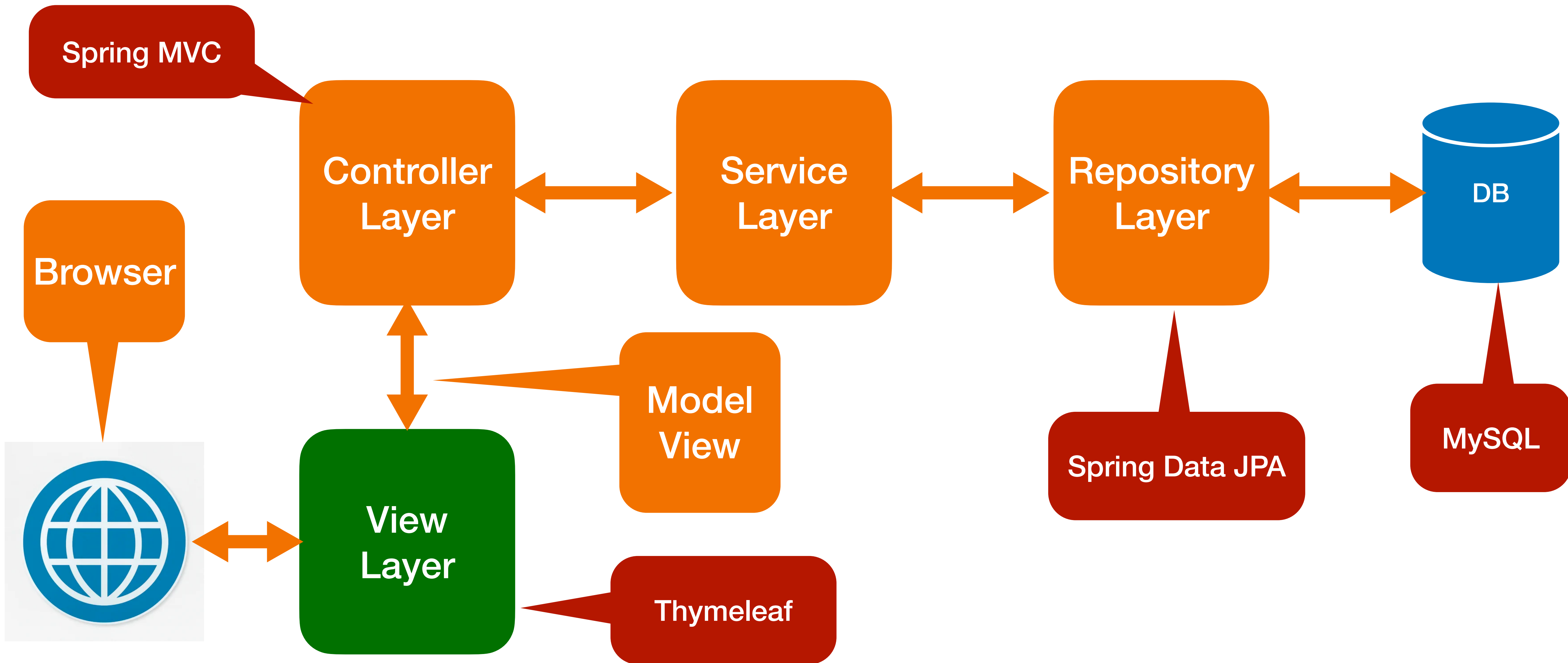
What is **Thymeleaf**?

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What is Thymeleaf

1. Thymeleaf is a modern server-side Java template engine for both web and standalone environments, capable of processing HTML, XML, JavaScript, CSS and even plain text.
2. The main goal of Thymeleaf is to provide an elegant and highly-maintainable way of creating templates.
3. It's commonly used to generate HTML views for web applications.
4. Thymeleaf is the best choice for developing Spring MVC web applications.

Spring Boot Web MVC Architecture



What kind of Templates can Thymeleaf process?

Out-of-the-box, Thymeleaf allows you to process six kinds of templates:

1. HTML
2. XML
3. TEXT
4. JAVASCRIPT
5. CSS
6. RAW (plain text)

What is a Thymeleaf Template?

Thymeleaf template can be a HTML, XML, JavaScript, CSS etc.

For example: Here the is Thymeleaf HTML template with HTML code and Thymeleaf expressions.

```
<table class="table table-striped table-hover table-bordered">
  <thead class="table-dark">
    <tr>
      <th>#</th>
      <th>Email</th>
      <th>Comment</th>
      <th>Created Date</th>
      <th>Actions </th>
    </tr>
  </thead>
  <tbody>
    <tr th:each = "comment, iterStat: ${comments}">
      <td th:text="${iterStat.count}"></td>
      <td th:text="${comment.email}"></td>
      <td th:text="${comment.content}"></td>
      <td th:text="${#temporals.format(comment.createdOn, 'dd MMM yyyy')}">
      <td>
        <a class="btn btn-danger" th:href="@{/admin/posts/comments/{commentId}"/>
      </td>
    </tr>
  </tbody>
</table>
```



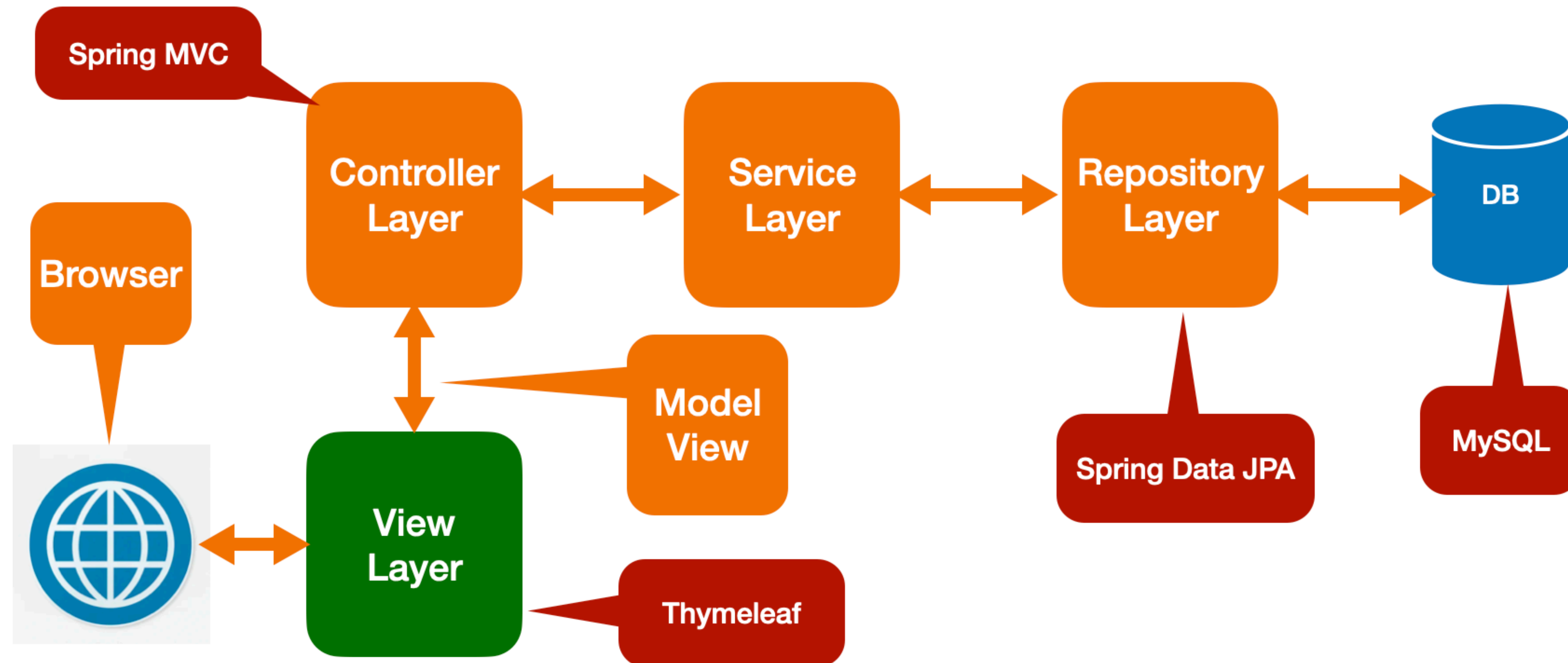
Thymeleaf Expression

Thymeleaf HTML Template Example

```
2<html xmlns:th="http://www.thymeleaf.org">
3<head>
4  <meta charset="ISO-8859-1">
5  <title>Add Bootstrap CSS Demo</title>
6
7  <link th:href="@{/css/bootstrap.min.css}" rel="stylesheet" />
8 </head>
9<body>
10  <table class="table">
11    <thead>
12      <tr>
13        <th>Employee First Name</th>
14        <th>Employee Last Name</th>
15        <th>Employee Email</th>
16      </tr>
17    </thead>
18    <tbody>
19      <tr th:each="employee : ${employees}">
20        <td th:text="${employee.firstName}"></td>
21        <td th:text="${employee.lastName}"></td>
22        <td th:text="${employee.email}"></td>
23      </tr>
24    </tbody>
25  </table>
26  Welcome <span sec:authentication="principal.username"> User</span>
27 </body>
28 </html>
```

Where's a Thymeleaf Template Processed?

In web applications (Ex: Spring MVC web application), Thymeleaf is processed on the server side and the results are included in the HTML and returned to the browser.



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