

Jtwig

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Twig

- System templatek rozwijany przez SensioLabs
- Używany w Symfony2 i nie tylko
- <http://twig.sensiolabs.org/>

Jtwig

- Implementacja Twig'a w javie
- Tworzony przez João Melo
- Obecna wersja to 2.1.5
- <http://jtwig.org>

Maven

```
<dependency>  
  <groupId>com.lyncode</groupId>  
  <artifactId>jtwig-spring</artifactId>  
  <version>2.1.5</version>  
</dependency>
```

Spring MVC

```
<bean id="viewResolver"  
class="com.lyncode.jtwig.mvc.JtwigViewResolver">  
  <property name="prefix" value="/WEB-INF/pages/" />  
  <property name="suffix" value=".html.twig" />  
</bean>
```


Składnia - if

<http://jtwig.org/documentation/syntax/>

```
{% if msg %}  
    <h1>{{ msg }}!</h1>  
{% else %}  
    <h1>Hello world!</h1>  
{% endif %}
```

Składnia - for

```
{% for post in posts %}  
  <h1>{{ post.title }}</h1>  
  <p>{{ post.body }}</p>  
{% endfor %}
```

```
{% for number in [1, 2, 3] %}  
  <p>Item number {{ number }}</p>  
{% endfor %}
```

```
{% for key, value in map %}  
  <p><b>{{ key }}</b>: <span>{{ value }}</span></p>  
{% endfor %}
```


Składnia - include

```
{% include 'header.html' %}  
    <div>Hello World!</div>  
{% include 'footer.html' %}
```


Składnia - extends

- base.html.twig

```
<head>
  {% block head %}
    <link rel="stylesheet" href="default-style.css" />
  {% endblock %}
</head>
```
- example.html.twig

```
{% extends "base.html.twig" %}

{% block head %}
  <link rel="stylesheet" href="example-style.css" />
{% endblock %}
```

Składnia – extends

- base.html.twig

```
{% for post in posts %}
  {% block post %}
    <h1>{{ post.title }}</h1>
    <p>{{ post.body }}</p>
  {% endblock %}
{% endfor %}
```
- example.html.twig

```
{% extends "block-base.twig" %}
{% block post %}
  <article>
    <header>{{ post.title }}</header>
    <section>{{ post.text }}</section>
  </article>
{% endblock %}
```


Składnia - verbatim

```
{% verbatim %}  
  {{ variable }}  
{% endverbatim %}
```


css'y, js'y, obrazki

```
<bean id="assetResolver"  
class="com.lyncode.jtwig.services.impl.assets.BaseAsset  
Resolver" />
```

```

```

```
{{ 'hello' | path }}
```

css'y, js'y, obrazki

```
<bean id="assetResolver"  
class="com.lyncode.jtwig.services.impl.assets.BaseAsset  
Resolver" />
```

```

```

```
{{ 'hello' | path }}
```


Składnia – pipe

- expression | function1
- expression | function2(argument)
- <div>{{ date | date("MM/dd/yyyy") }}</div>
- <script>var data = {{ data | json_encode }}</script>
- <div>{{ name | lower | rewerse }}</div>

Składnia - assign

```
{% set variable = 1 %}  
{{ variable }}</br>  
{% set variable = variable + 1 %}  
{{ variable }}
```

Własne funkcje

- <http://jtwig.org/documentation/add-new-function/>

Porównanie wydajności

	JSP	JTwig	Handlebars	FreeMarker
Bez cache	8430 z/s	1520 z/s	10190 z/s	7780 z/s
Z cache	9010 z/s	9620 z/s	9950 z/s	8500 z/s

Pytania