

# JsRender Fundamentals: Core Tokens

John Papa

[@john\\_papa](https://twitter.com/john_papa)



# Outline

- **With or Without jQuery**
- **Encoding & Data Paths**
- **{{for}} and #data**
- **{{if}} and {{else}}**

# No jQuery, No Problem

jsviews  
root object



```
jsviews.templates({  
  musicTemplate:  
    document.getElementById("myMusicTemplate").innerHTML  
});
```

```
document.getElementById("musicContainer").innerHTML  
  = jsviews.render.musicTemplate(my.vm.music);
```

# DEMO

With or Without jQuery



# Outline

- With or Without jQuery
- Encoding & Data Paths
- `{{for}}` and `#data`
- `{{if}}` and `{{else}}`

# Displaying Values

`{{ }}`

- JsRender code, contains tokens

`:`

- Display with no encoding

`>`

- Display with encoding

`html`

- Display with encoding

# Data Paths

Render without

encoding

Dot

notation

```
<div>{{:model.brand}} {{:model.name}}</div>
```

```
<div>{{:model['brand']}} {{:model['name']}}</div>
```

By key

# Arrays

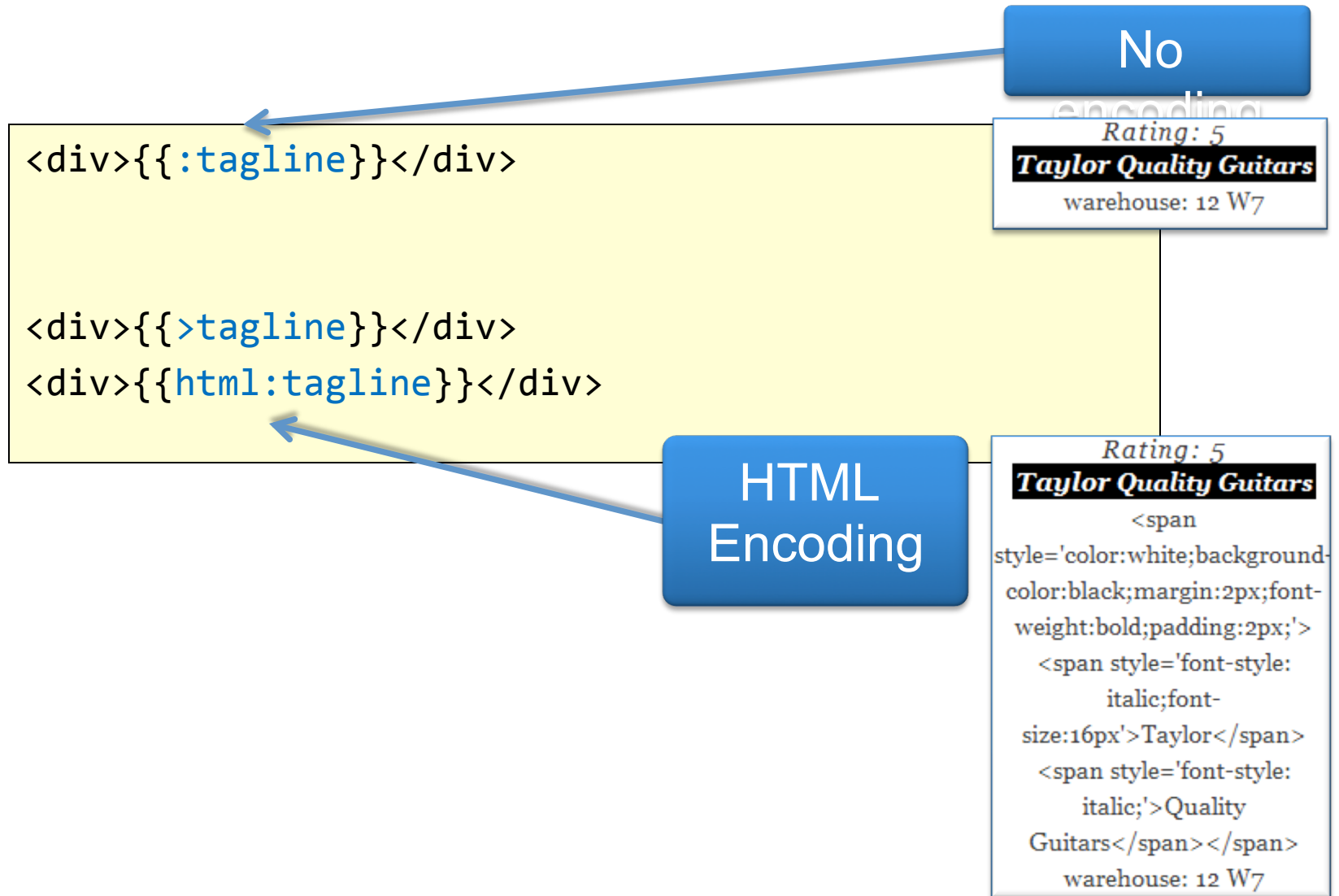
```
<div>  
  warehouse section  
  {{:warehouses[0].locations[0].section}}  
</div>
```



Arrays



# HTML Encoding



# DEMO

Encoding and Data Paths



# Outline

- With or Without jQuery
- Encoding & Data Paths
- **{{for}}** and **#data**
- **{{if}}** and **{{else}}**

# {{for}} block

looping

```
{{for employees}}  
  <li> {{:firstName}} </li>  
{{/for}}
```

end the  
block

# Current #data

Employee array

```
{{for employees}}  
  <li> {{:firstName}} </li>  
  <li> {{:#data.firstName}} </li>  
{{/for}}
```

Equivalent

```
{{for ratingStars}}  
  <span class="{{:#data}}"></span>  
{{/for}}
```

String array

Current  
item

# DEMO

`{{for}}` and `#data`



# Outline

- With or Without jQuery
- Encoding & Data Paths
- `{{for}}` and `#data`
- `{{if}}` and `{{else}}`

# Truthy and Falsey in JavaScript

## ▪ Truthy

- Something that evaluates to true

## ▪ Examples

- true
- 1
- Any object

## ▪ Falsey

- Something that evaluates to false

## ▪ Examples

- false
- undefined
- null
- 0
- NaN
- ""



Empty string



# `{{if}}` and `{{else}}` blocks

If

```
{{if expression1}} ... {{/if}}
```

Else

```
{{if expression1}}  
  
{{else expression2}}  
  
{{/if}}
```

# Comparisons and Expressions

```
{{if val1 != val2}} ... {{/if}}
```

Comparison

ns

```
{{: (val1 > val2) ? "this" : "that"}}
```

Expression

s

# Examples of Valid Expressions

Expression	Example	Comments
+	{{ :a + b }}	Addition
-	{{ :a - b }}	Subtraction
*	{{ :a * b }}	Multiplication
/	{{ :a / b }}	Division
	{{ :a    b }}	Logical or
&&	{{ :a && b }}	Logical and
!	{{ :!a }}	Negation
? :	{{ :a === 1 ? b * 2: c * 2 }}	Tertiary expression
( )	{{ :(a  -1) + (b  -1) }}	Ordering evaluation using parenthesis
%	{{ :a % b }}	Modulus operation
<=	{{ :a <= b }}	Comparison operations
>=		
<		
>		
===	{{ :a === b }}	Equality and inequality
!==		

# DEMO

`{{if}}` and `{{else}}`



# Core Tokens Summary

- **With or Without jQuery**
- **Encoding & Data Paths**
- **{{for}} and #data**
- **{{if}} and {{else}}**

For more in-depth **online** developer **training** visit



**on-demand** content from authors you **trust**