JsRender Fundamentals: View Paths, Nesting and Context Changes

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Outline

- **Nested Templates and Numbering**
- **Looping Through Multiple Objects**
- **Changing Context with {{for}}**
- **View Paths and Changing Context**

Looping with a {{for}} block

Looping

```
<ul>
{{for employees}}
    <li>{{:fullName}}</li>
{{/for}}
</ul>
```

Numbering

```
<tbody>
{{for employees}}
    <tr>
        <td>{{:#index+1}}</td>
        <td>{{:fullName}}</td>
    </tr>
{{/for}}
</tbody>
```

0 based index

Nested Templates

```
<tbody>
{{for employees tmpl="#employeeTmpl"/}}
</tbody>
```

```
<script id="employeeTmpl" type="text/x-jsrender">
    <tr>
        <td>{{:index+1}}</td>
        <td>{{:fullName}}</td>
    </tr>
</script>
```

DEMO

Nested Templates and Numbering

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Looping with a multiple objects

Looping

```
<ul>
{{for employees contractors interns}}
    <li>{{:fullName}}</li>
{{/for}}
</ul>
```

DEMO

Looping Through Multiple Objects

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Changing Context with {{for}}

Dot notation craziness

```
{{:address.street1}}
{{:address.street2}}
{{:address.city}}, {{:address.state}} {{:address.postalCode}}
```

Change Context

```
{{for address}}
    {{:street1}}
    {{:street2}}
    {{:city}}, {{:state}} {{:postalCode}}
{{/for}}
```

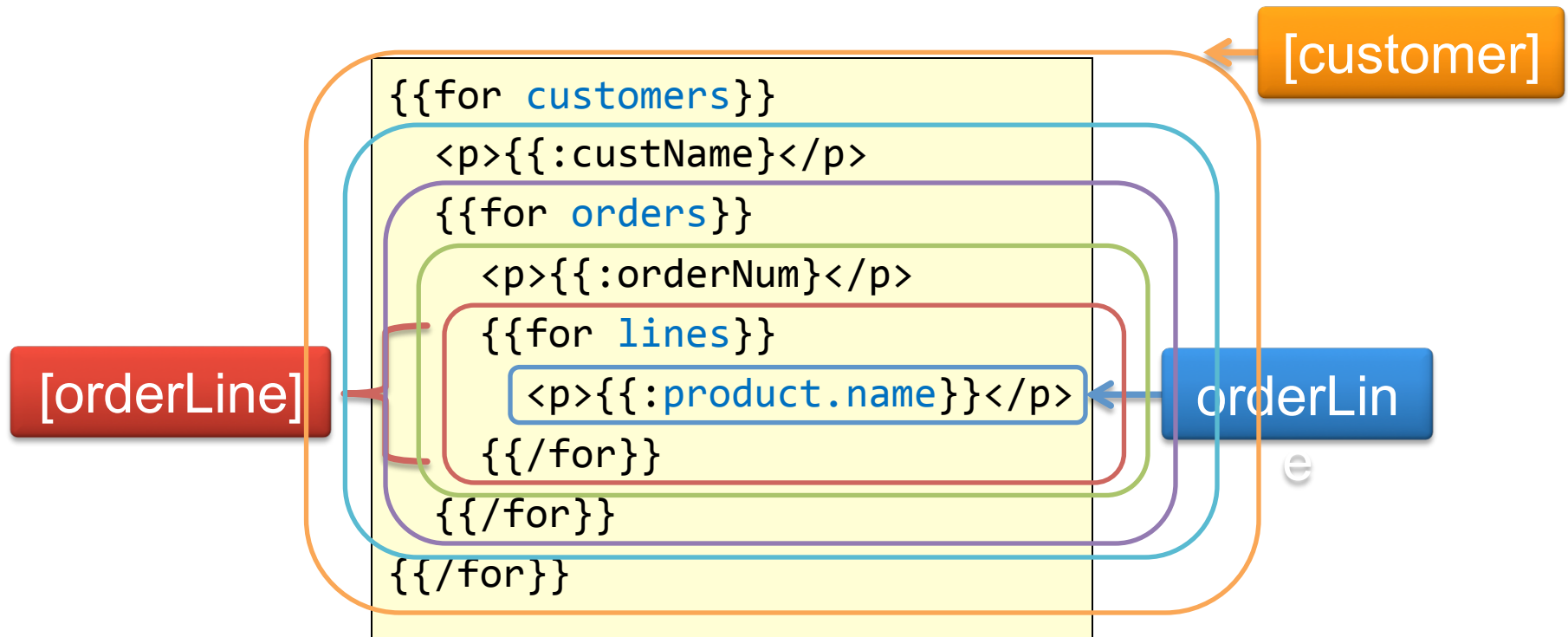# DEMO

Changing Context with {{for}}

Outline

- **Nested Templates and Numbering**
- **Looping Through Multiple Objects**
- **Changing Context with {{for}}**
- **View Paths and Changing Context**
  - Travelling Up
  - Travelling Down

View Paths

- **#index**
- **#data**
    - Current "data" context
- **#view**
    - Current "view" context
- **#parent**
    - Context of the parent of the current context
    - For "Travelling Up" the object hierarchy

Navigating Object Hierarchies

```
{{for customers}}
  <p>{{:custName}}</p>
  {{for orders}}
    <p>{{:orderNum}}</p>
    {{for lines}}
      <p>{{:product.name}}</p>
    {{/for}}
  {{/for}}
{{/for}}
```

[customer]

[orderLine]

orderLin
e

Travelling Up the Hierarchy

order custome r

```
{{for customers}}
  {{for orders}}
    {{for lines}}
      <p>{{:#parent.parent.parent.parent.data.custName}}<p>
    {{/for}}
  {{/for}}
{{/for}}
```

lines [ ]   orders [ ]   the data

Travelling Down the Hierarchy

```
{{for customers}}
  {{for orders ~cust=custName}}
    {{for lines}}
      <p>{{:~cust}}</p>
    {{/for}}
  {{/for}}
{{/for}}
```

Setting a context parameter

DEMO

View Paths and Changing Context

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Recap

- **Nested Templates with tmpl**
  - {{for orders tmpl="#orderTemplate"}}
- **Numbering with #index**
  - {{#index}}
- **Looping Through Multiple Objects with {{for}}**
  - {{for list1 list2 list3}}
- **Changing Context with {{for}}**
  - {{for customer.address}}
  - {{:city}} {{:state}}
  - {{/for}}
- **View Paths and Changing Context**
  - #parent
  - ~parm=someVal

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