

# JsRender Fundamentals: Managing Templates

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# Top Reasons to Avoid <SCRIPT> Tags

```
$('#myDiv').html(  
    $('#myTpl').render(myData)  
);
```

Not compiled (but they can

be)

HTML in <SCRIPT> tags

Harder to extend

Separation of Concerns

# Outline

- **Compiling Templates**
- **Compiling Named Templates**
- **Registering Batches of Named Templates**
- **Tips for External Templates**

# Rendering and Compiling Templates from a String

```
var tplString = '<div>{{:firstName}}</div>';  
var myTpl = $.templates(tplString);  
$('#myDiv').html(myTpl.render(myData));
```

Compile a  
template  
and render

Variable is  
accessible  
within  
closure

# DEMO

## Compiling and Toggling Templates



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# Advantages of Named Templates

Scoped  
variable

```
var myTpl = $.templates('<div>{{:firstName}}</div>');
```

Always  
available

```
$.templates('myTpl', '<div>{{:firstName}}</div>');
```

# Compiling and Registering Named Templates

Accessible from anywhere in the JavaScript  
context

```
// define it
$.templates('myTpl', '<div>{{:firstName}}</div>');

// render it
$.render.myTpl(data)

// reference it
$.templates.myTpl
```



# Nesting Named Templates

Call a named template from within another  
template

```
{{for products tmp1='myTmp1' /}}
```

# Compiling and Registering Named Templates

```
var tplString = '<div>{{:firstName}}</div>';  
$.templates('myTpl', tplString);  
//$.templates('myTpl', {markup: tplString});  
$('#myDiv').html($.render.myTpl(data));
```

Compiled,  
Named  
Template



# DEMO

## Compiling Named Templates



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# Compiling Multiple Named Templates

1 Template

```
var tplString = '<div>{{:firstName}}</div>';  
$.templates('myTpl', tplString);  
//$.templates('myTpl', {markup: tplString});  
$('#myDiv').html($.render.myTpl(data));
```

```
summaryTpl = '<li>{{:model.brand}} {{:model.name}} </li>';  
detailsTpl = ...  
$.templates({  
    guitarDetailsTpl: {markup: detailsTpl},  
    guitarSummaryTpl: {markup: summaryTpl}  
});  
$.render.guitarDetailsTpl(data)
```

Compile  
and  
register  
named  
templates

# DEMO

Registering Batches of Named Templates

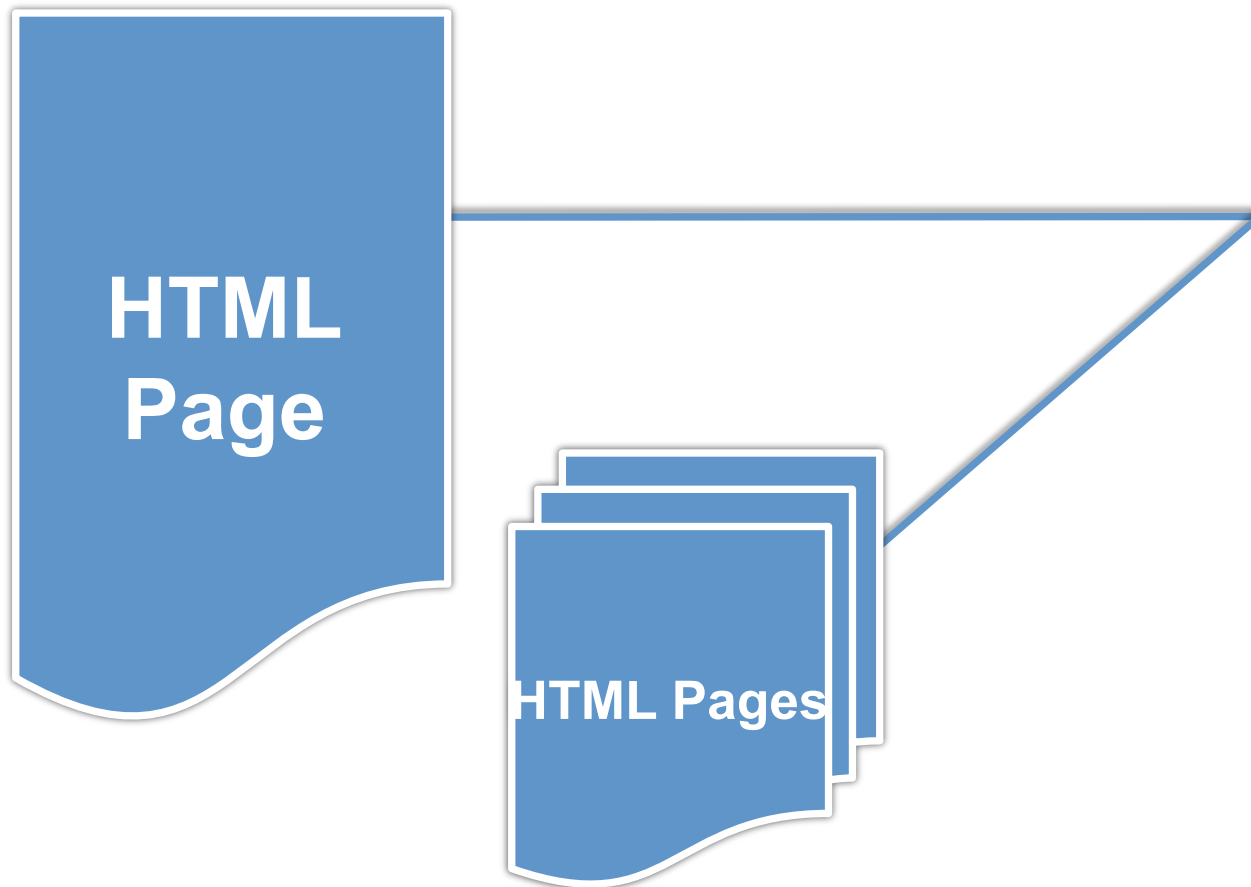


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# Separation

- **Store templates on a web server or a database**
- **Re-use templates in other pages**





# External Templates

1) Get the template asynchronously ...

```
$.when($.get('../templates/_medMusic.tmpl.html'))  
  .done(function(tmp1Data) {  
    $.templates({ tmp1: tmp1Data });  
    $('#target').html(  
      $.render.tmp1(data)  
    );  
  });
```

2) ... when the template is returned

3) ... compile and name the template ...

4) ... and then render the template.

...

# DEMO

## Tips for External Templates



# Recap

- **Choose templates from strings over `<script>` tags**
- **Compiling is faster for reuse**
- **Named templates can be accessed anywhere on the page**
- **Registering Batches is ideal with multiple templates**
- **More Maintainable apps with external templates**

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