Templates

Building visually beautifully designed websites inside and out.

Cesar Jimenez

Instructor / Developer

HTML TEMPLATING SYSTEMS

HTML TEMPLATING SYSTEM - DEFINTION

➤ Q: What is an HTML templating system?

➤ A: It is a template processor (executable code) together with a template specification.

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➤ The developer (that's you!) creates a template that must comply with the template spec. The template contains common data and metadata, and placeholders (expressions) for data.

Example template:

```
<div> Hello <strong> {{who}} </strong>,

    my name is {{name}}.

</div><br>
```

HTML TEMPLATING SYSTEM

The template processor maps (processes & combines) data

(e.g., from a database) to the templates to form valid, uservisible

web pages.

> ➤ You write JS code that uses the templating system.

> ➤ The templating system does the rest.

HTML TEMPLATING SYSTEM

➤ In practice:

➤ ➤ The Handlebars template system (handlebars.js) is

➤ very common. Used in BackboneJS, EmberJS, etc.

➤ Hello {{who}}, my name is {{name}}.

➤ ➤ AngularJS uses a very similar syntax.

➤ ➤ Server side frameworks such as Ruby on Rails, Django,

➤ Express, and Java Spring have similar templating features.

UTILITY OF TEMPLATING SYSTEMS / HANDLEBARS.JS

Q: Why use templating - how is a templating system useful?

➤ It simplifies the task of creating dynamic content.

➤ Handlebars provides placeholders (expressions) that are filled

in with data when a handlebars.js template is 'compiled'.

➤ Good for the following tasks

➤ Load a significant amount/variety of data

➤ Add/update new items in lists

➤ Add complex content to a page

Thank you!

Cesar Jimenez

Instructor/Developer
Code Fellows
@cesar_r_jimenez