

JavaScript Templating with Handlebars

Handlebars: An Introduction



Ryan Lewis

ryanhlewis.com | @ryanmurakami

Today's Menu

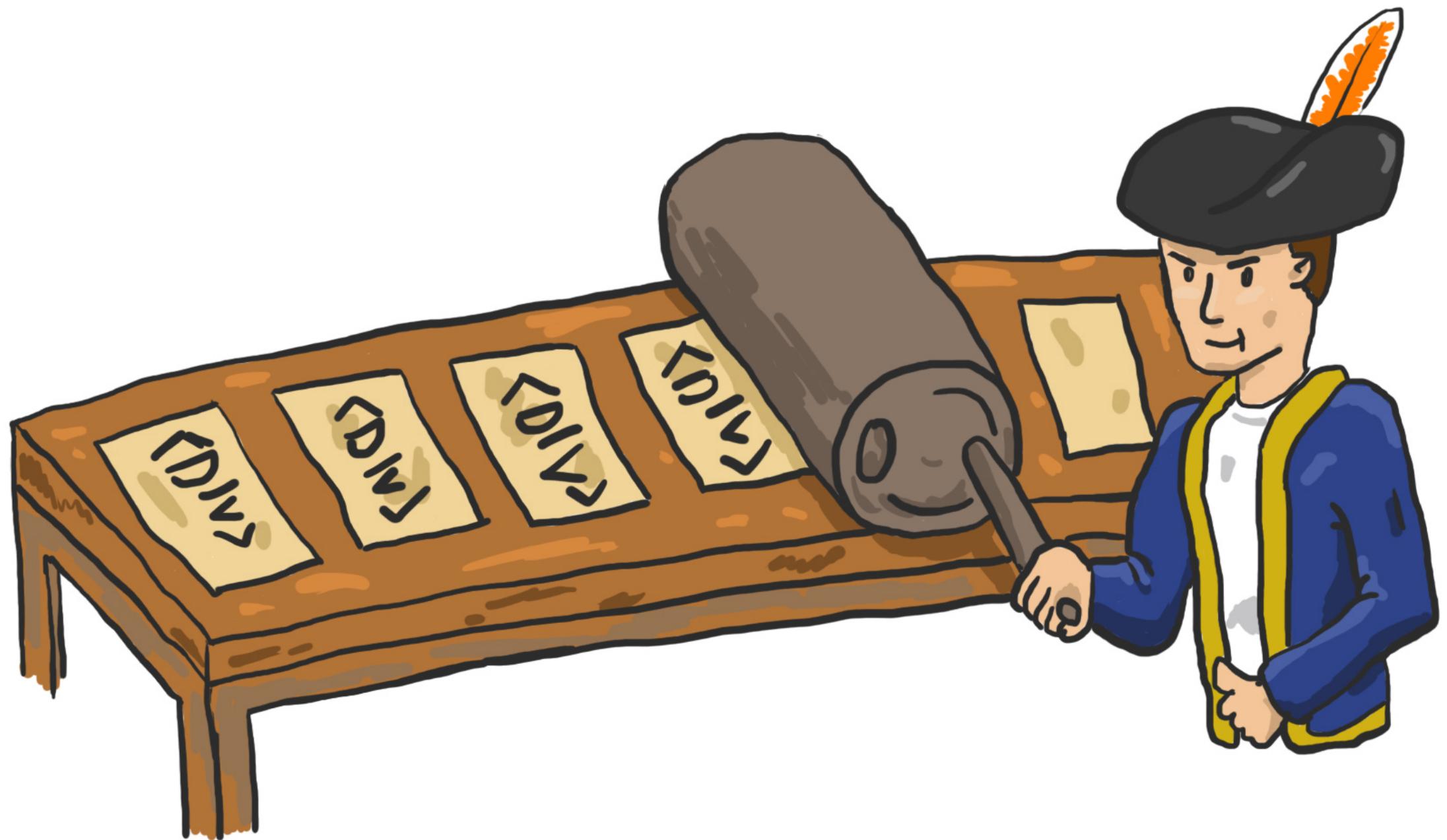


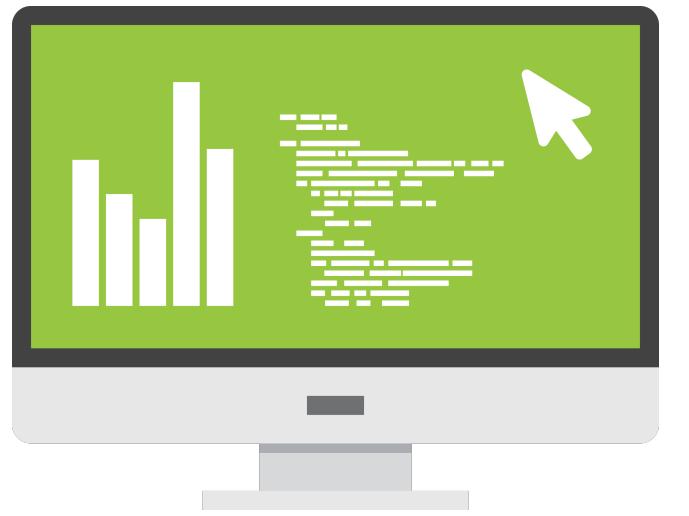
Template or Go Home
Client-Side Templating Rox!
Mustache, Handlebars (let's call the whole thing off)
Ugh, more things to install?
Hello World: The Final Frontier

Websites, Man



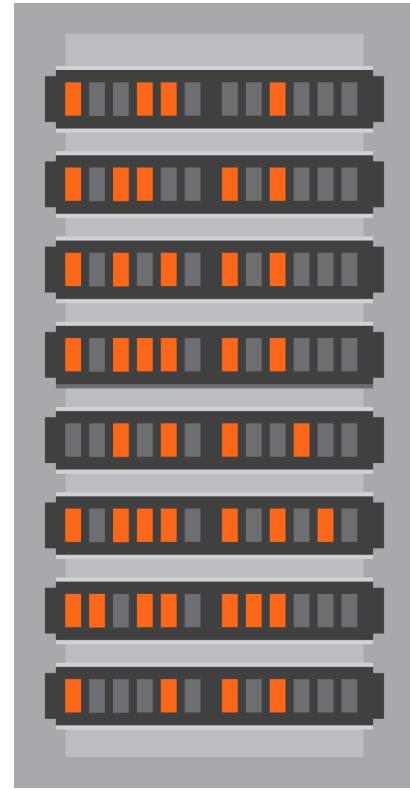






Client-Side
Rendering

Which
is
Better?



Server-Side
Rendering

Server-Side Rendering

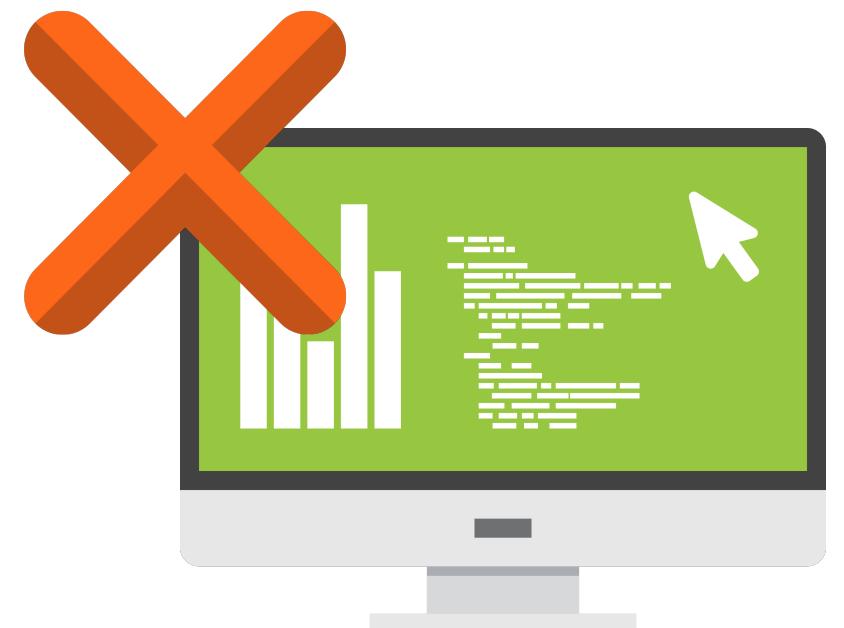


Client-Side Rendering



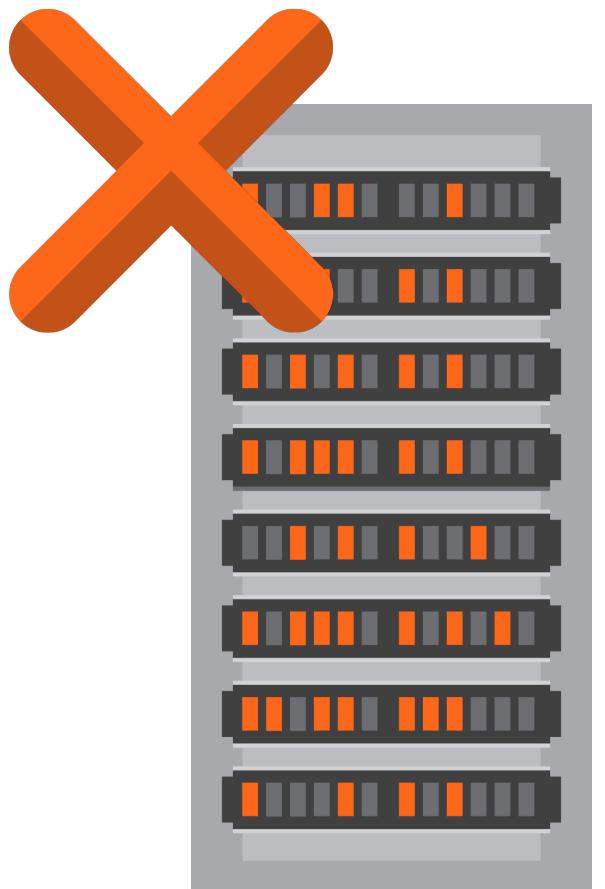
Arguments Against Client-Side Rendering

- All browsers are not powerful enough
- Page initially renders without markup
- SEO anyone?



Arguments Against Server-Side Rendering

- Uses too much bandwidth
- Wait time for server response is longer
- New request after each action is slow



The Best of Both Worlds

Server-Side

- Search Engine Optimization
- Initial page is ready to go

Client-Side

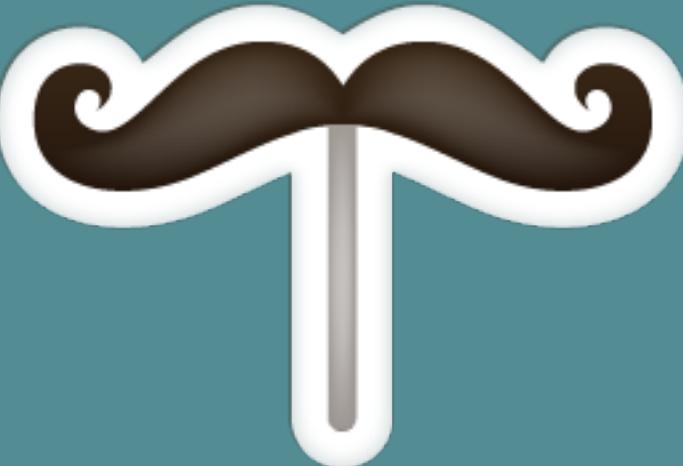
- Instant User Experience
- Industry standard

Initial Page Request

+

Subsequent Page Requests

handlebars



Server-Side 

Client-Side 

mustache



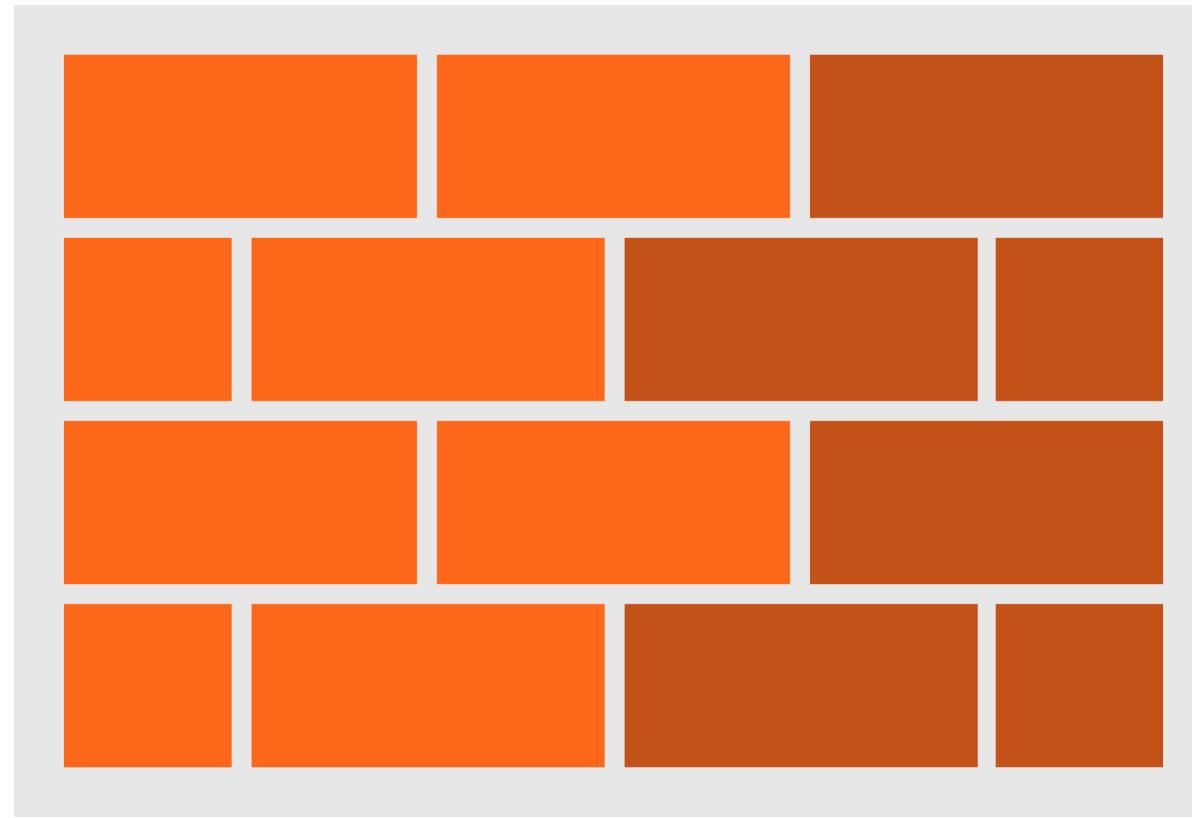
Logic

`{}{tag}{}`

this is a
mustache tag

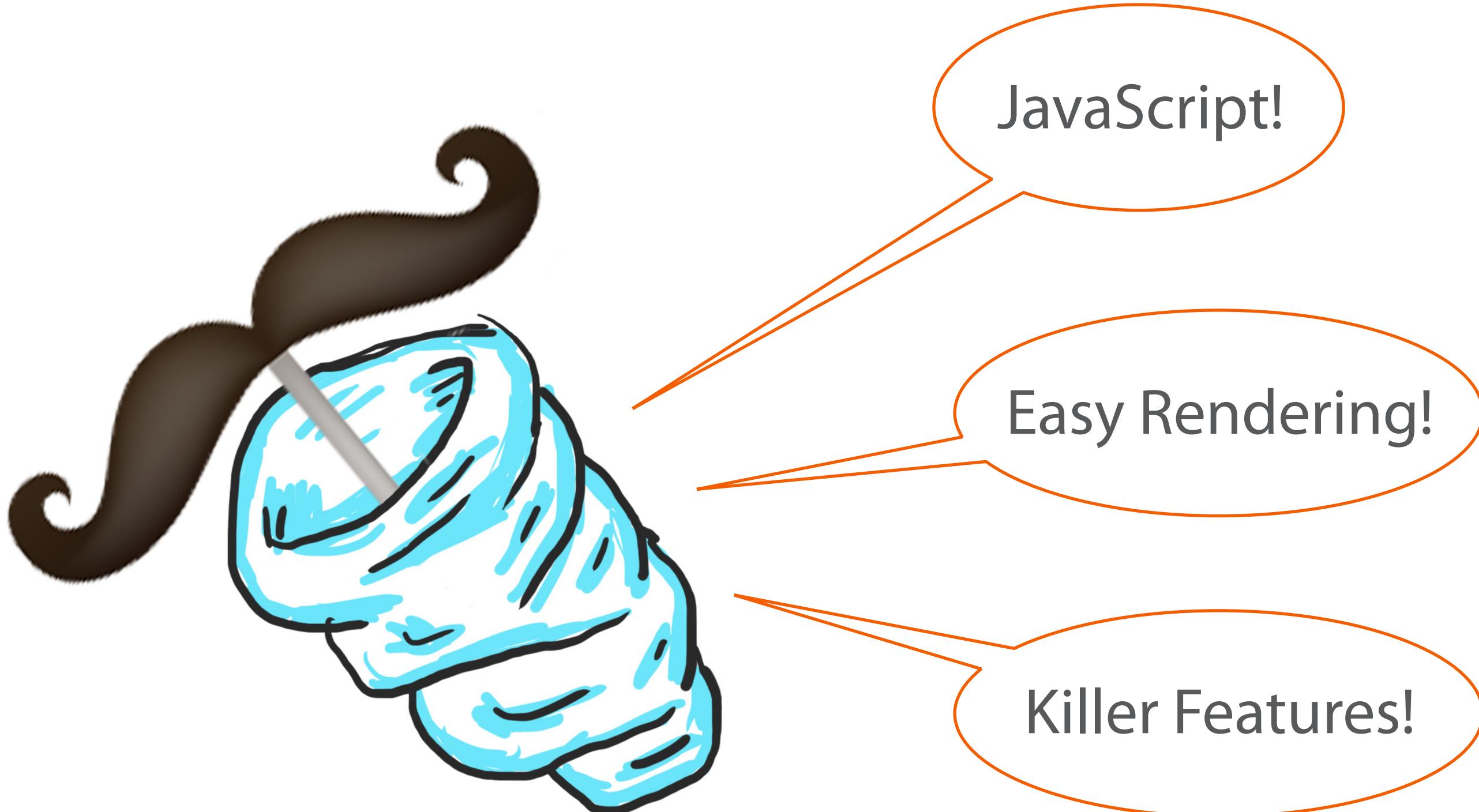


Separation of Concerns



mustache ?

JavaScript



JavaScript!

Easy Rendering!

Killer Features!

Handlebars Features

Handlebars.compile()

Precompile templates

Helpers

Extend template functionality

Nested Paths

Simplify tags

Handlebars Essentials

Templates: HTML,
XML, or plain text

Populates
templates with
data

Data: object, array,
function

Doesn't care where
your templates
are

Third-party
Libraries in most
languages

Platform Agnostic

Using Client-Side Dependencies

Use a CDN

No control over Request

Manually Download
Code

Pollutes source code

Use a Package
Manager

Best method!



Bower

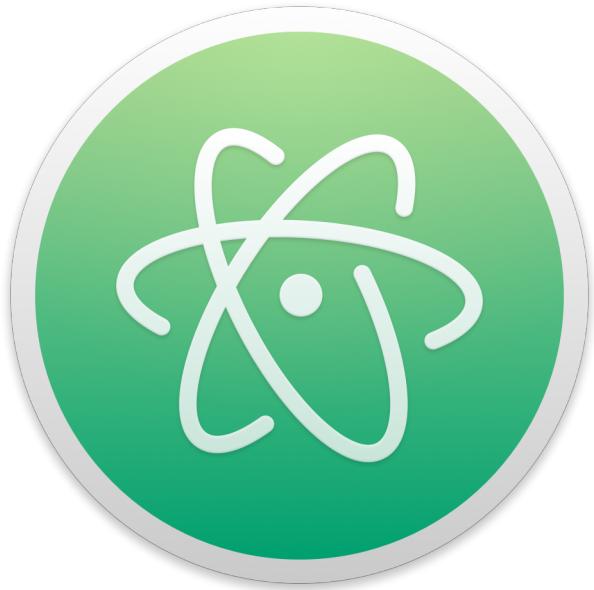
A package manager for the web

My Up-to-date Guide on Installing node and npm

<http://ryanhlewis.com/2015/08/10/installing-node/>

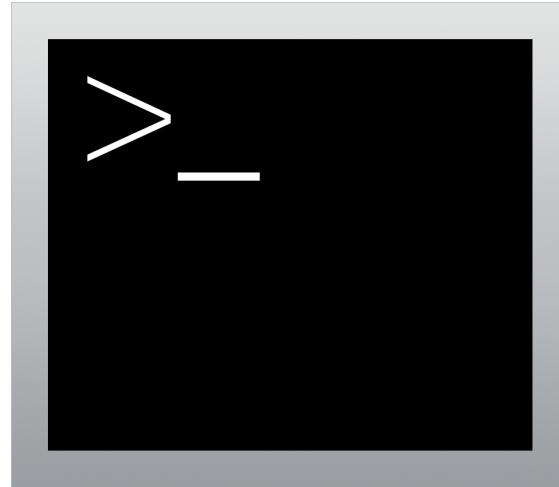
My Tools

Text Editor



Atom

Command Line



Terminal
(for OSX)

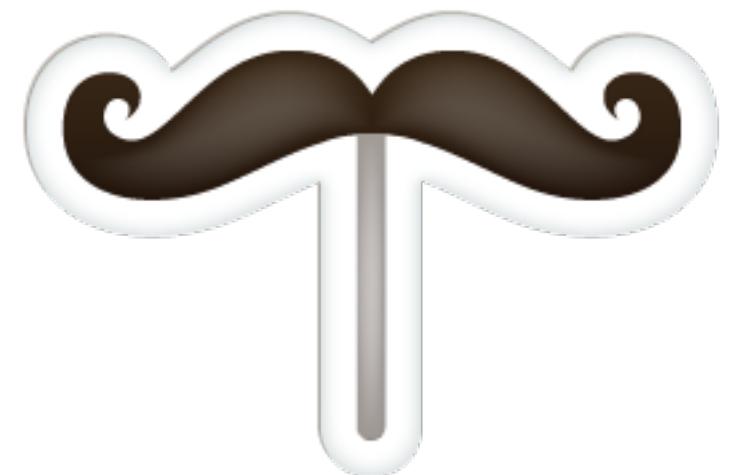
Web Browser



Vivaldi
Browser

Summary

- Templating is the solution
- Client-Side vs. Server-Side Face-off
- The Mustache Manifesto
- The Handlebars Revolution
- Bower, our dependency dealer
- Hello, Handlebars!



Next Time on JavaScript Templating with Handlebars

Doges!

Tags

Paths Blocks

Lists Partials

Handling Whitespace

Escaping HTML

