

Building the Single Page

John Papa



Agenda

- **Creating the HTML for the SPA**

- HTML5 Boilerplate
- Linking to CSS and JavaScript
- Preparing the HTML Views

- **Web Optimization**

- Bundling and Minification
- Customize Optimizations

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- **Creating the HTML for the SPA**

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Multiple Views

JOHN PAPA



CODE CAMPER

favorites

sessions

speakers

SAT MAY 18



SUN MAY 19



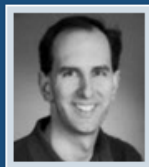
filter by room, speaker, tag, title, or track



SHOWING 8 SESSIONS



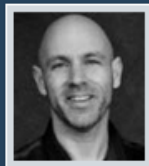
Refresh



Sat 09:00 am at Pelham Bay
Keynote

SCOTT GUTHRIE
KEYNOTE

INTERMEDIATE
.NET



Sat 10:10 am at Venice
Building HTML/JavaScript Apps with Knockout and MVVM

JOHN PAPA
JAVASCRIPT, KNOCKOUT, MVVM, HTML5, WEB

ADVANCED
JAVASCRIPT



Sat 10:10 am at Paris
A JavaScript Toolbox

WARD BELL
JAVASCRIPT, WEB

INTERMEDIATE
JAVASCRIPT



Blank HTML Page: How Do You Get Started?



<http://html5boilerplate.com>

HTML5 ★ BOILERPLATE

A rock-solid default for HTML5 awesome.

► I'm new here: plz explain why it's good, first.

DOWNLOAD BOILERPLATE 3.0.2 UPDATED FEB 19TH

DOWNLOAD
BOILERPLATE

KEEP THE HINTS AND LINKS

OR

DOWNLOAD
BOILERPLATE "STRIPPED"

NO COMMENTS, JUST THE BIZNISS.

OR

CUSTOMIZE
BOILERPLATE

100% HIPSTER.

Get Everything

Choose Only
What You Want

jQuery from a CDN

HTTP or HTTPS

Use a CDN

```
<script  
  src="//ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.min.js  
></script>
```

```
<script>window.jQuery || document.write('<script  
  src="scripts/lib/jquery-1.7.2.min.js"><\script>')</script>
```

Fallback to a
Local Script

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Why Bundle?

```
<script src="/Scripts/lib/jquery-1.7.2.min.js"></script>
<script src="/Scripts/lib/activity-indicator.js"></script>
<script src="/Scripts/lib/amplify.core.js"></script>
<script src="/Scripts/lib/amplify.request.js"></script>
<script src="/Scripts/lib/amplify.store.js"></script>
<script src="/Scripts/lib/infuser.js"></script>
<script src="/Scripts/lib/jquery.mockjson.js"></script>
<script src="/Scripts/lib/js.cookie.js"></script>
<script src="/Scripts/lib/knockout.js"></script>
<script src="/Scripts/lib/knockout.mapping.js"></script>
<script src="/Scripts/lib/koExternalTemplateEngine.js"></script>
<script src="/Scripts/lib/moment.js"></script>
<script src="/Scripts/lib/sammy.js"></script>
<script src="/Scripts/lib/sammy.title.js"></script>
<script src="/Scripts/lib/toastr.js"></script>
<script src="/Scripts/lib/TrafficCop.js"></script>
<script src="/Scripts/lib/underscore.js"></script>
<script src="/Scripts/lib/require.js"></script>
```

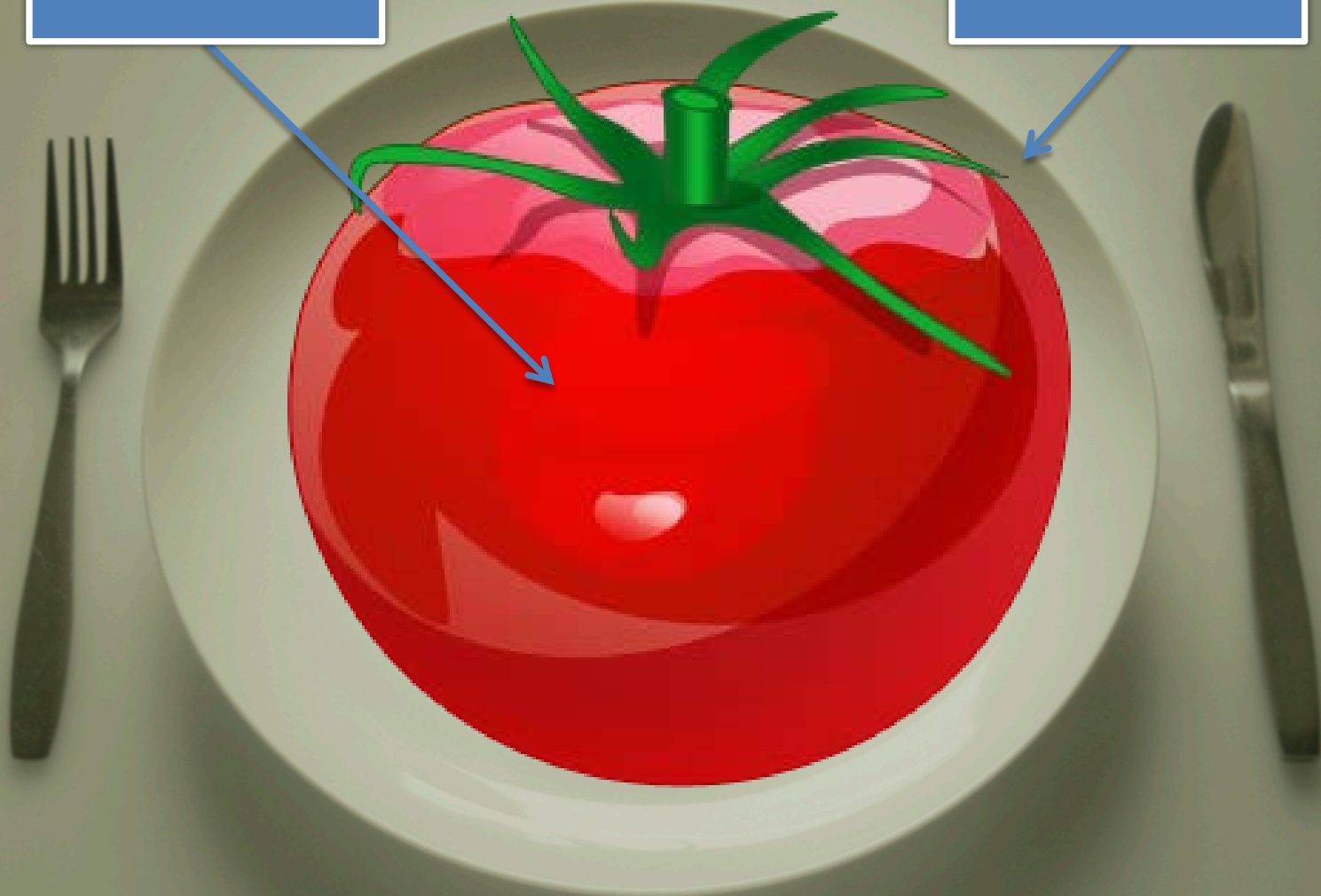
1 Network Request

@Scripts.Render("~/bundles/jsextlibs")

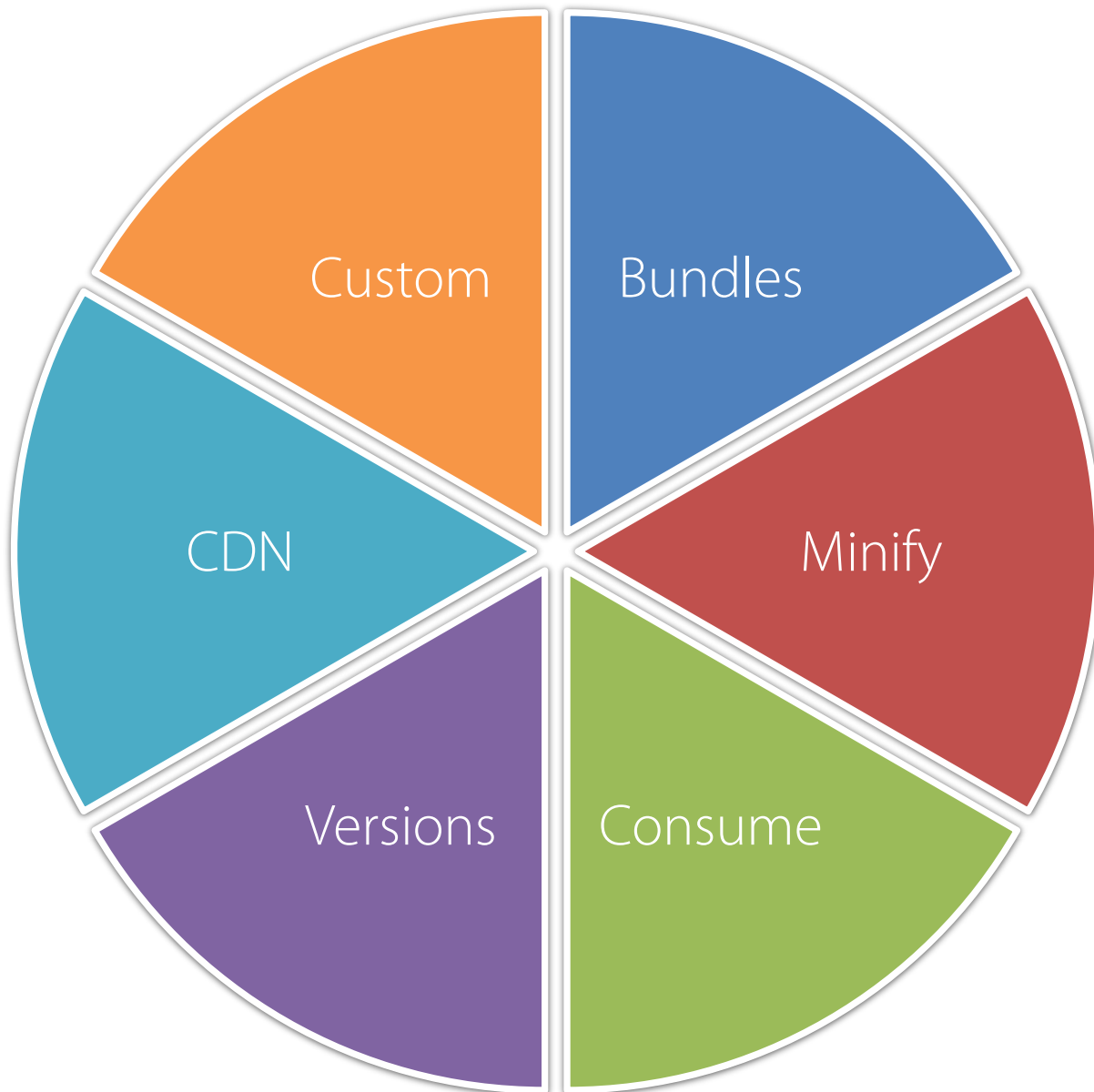
Why Minify?

Your Minified
Scripts

Your Scripts



ASP.NET Web Optimizations



Summary

- **Start with a solid foundation**
 - HTML5 Boilerplate
- **Choose if you want**
 - Modern browsers only
 - Graceful fallbacks
- **Optimizations**
 - Bundling for less network calls
 - Minify your scripts and css for reduced bandwidth requirements