There’s a Library for That!

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Web Development is Fraught With Peril!!

- Browser Support (I’m looking at you, IE)
- HTML5/CSS3
- Code organization and re-use
Why use JavaScript libraries?

- Saves time
- Saves work
- Saves hair loss (a.k.a. cross-browser support)
- Saves money

- Because you’re lazy efficient
What can JavaScript libraries really do?

- User Interface
- Code design
- Code execution
- Code testing
- Code deployment
JavaScript Libraries Can Make Your Day

• Framework Libraries
• UI Libraries
• Loader Libraries
• Visualization Libraries
• Utility Libraries
• Mobile Libraries
• Testing Libraries
• Build Your Own Libraries(!!)
Framework Libraries

- Dojo
- Backbone
- JavascriptMVC
- Node.js*
- AngularJS
- Knockout
- Rialto
- SproutCore
- Batman

*special case
UI Libraries

• JQuery UI
• Dijit – Dojo
• YUI
• Ext
• Script.aculo.us
• Kendo
Loader Libraries

- Bootstrap
- Modernizr
- Control
- YepNope
- Curl
- Require
- Load
Visualization Libraries

- D3.js
- Three.js
- HighCharts
- InfoVis
- ProtoVis
- Raphael
Utility Libraries

• Underscore
• Modernizr
• JSON2
• Respond
• Moment
• Etc. Etc. Etc.
• See Github for more than you bargained for
Using Libraries
Mobile Libraries

- Wink
- JQuery Mobile
- Sencha Touch
- Dojox Mobile
- Zurb Foundation
- Less Framework 4
- ResponsiveJS
- PhoneGap
- Titanium
Mobile Libraries
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Testing Libraries

- Not a big area quite yet

- JSHint, JSLint
  - Not technically a library, but indispensable

- Qunit - JQuery

- Doh – Dojo

- YUI Test

- jsTestDriver
JSHint

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Build Your Own Libraries (!!)

- OO style code re-use for JavaScript
- Javascript API – dojo.declare()
- Clusters.js
- Heatmap.js

Custom Widgets in Dojo

- Directions widget
- Routing widget
Build Your Own Libraries

Matt Driscoll
Imagine…

• Efficient code loading!!
• Quick turnaround on major web projects!!
• Fast prototyping of desired functionality!!
• No more cross-browser nightmares!!
• Being a great coder without looking like this guy.
Thanks!!

Please fill out the evaluation!

Dev Summit App
Offering ID = 400

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