

Firebug

Liam McLennan
www.pluralsight.com



Outline

- **Firebug**
- **Inspecting HTML**
- **The JavaScript Console**
- **Inspecting the CSS, Network traffic and JavaScript scripts**
- **Debugging JavaScript**
- **Improving page performance with YSlow**

Firebug

- **Firefox extension that adds developer tools to Firefox**
- **<http://getfirebug.com>**
- **Tools for:**
 - Working with html
 - JavaScript
 - CSS
 - Network analysis

HTML Tab

- Browse the DOM
- Correlate DOM elements to parts of the page
- Select DOM elements
- Modify DOM elements

<html />

Console Tab

- Shows logging messages
- Shows JavaScript errors
- Shows AJAX network traffic
- Provides a JavaScript console
- JavaScript profiling



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CSS Tab

- Shows the stylesheets that are loaded
- Allows stylesheets to be edited



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Net Tab

- Shows network traffic grouped by
 - All
 - HTML
 - CSS
 - JS
 - XHR
 - Images
 - Flash



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The Script Tab

- **Inspect the loaded JavaScript files and inline scripts**
- **Debugging**
 - Conditional breakpoints
 - Callstack
 - Watch expressions



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YSlow

- A performance analysis plugin for firebug
- Adds a new tab to firebug
- Analyses a page using a set of rules and provides recommendations to improve performance
- Rules are based on Yahoo's Best Practices for Speeding Up Your Web Site



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Summary

- **Firebug**
- **HTML Tab**
- **Console Tab**
- **CSS Tab**
- **Net tab**
- **Script Tab**
- **YSlow**

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