Using JavaScript with XHTML

Martin Holmes

Using JavaScript with XHTML

- You know how to write XSLT stylesheets to transform XML into XHTML.
- You know how to style XHTML using CSS.
- But how do you make it DO STUFF?
- JavaScript (or ECMAScript) is the answer.

What is JavaScript?

- Simple scripting language that looks a bit like C++ or Java.
- But it's **not Java**! Geeks will sneer and spit at you if you confuse the two languages.
- Ubiquitous, and supported well by all desktop browsers.
- Standardized by the ECMA (ECMA-262, 5th edition 2009).

Getting started: how to link your XHTML file to a JS file

The <script> element

```
<script
  type="text/javascript"
  src="myScript.js">
</script>
```

Note: You **cannot** use a self-closing `<script>` tag; some browsers will choke on it.

An example: adding some JavaScript interactivity

- Open *Places* XML (places.xml)
- Open XSLT (mdh_places_javascript.xsl)
- Open JavaScript to see what it looks like (places.js)

2

- Set up a transformation scenario which outputs HTML into the same folder, and <u>view the result</u> in your browser.

JavaScript functions

JavaScript Functions (2)

JavaScript Functions (3)

JavaScript Functions (4)

JavaScript Functions (5)

JavaScript Functions (6)

JavaScript Functions (7): Summary

Where to go for more information

- http://www.w3schools.com/js/
- http://docs.jquery.com/Tutorials:Getting_Started_with_jQuery
- http://www.youtube.com/watch?v=yQaAGmHNn9s (Search YouTube for thenewboston.com javascript.)