HTML Fundamentals

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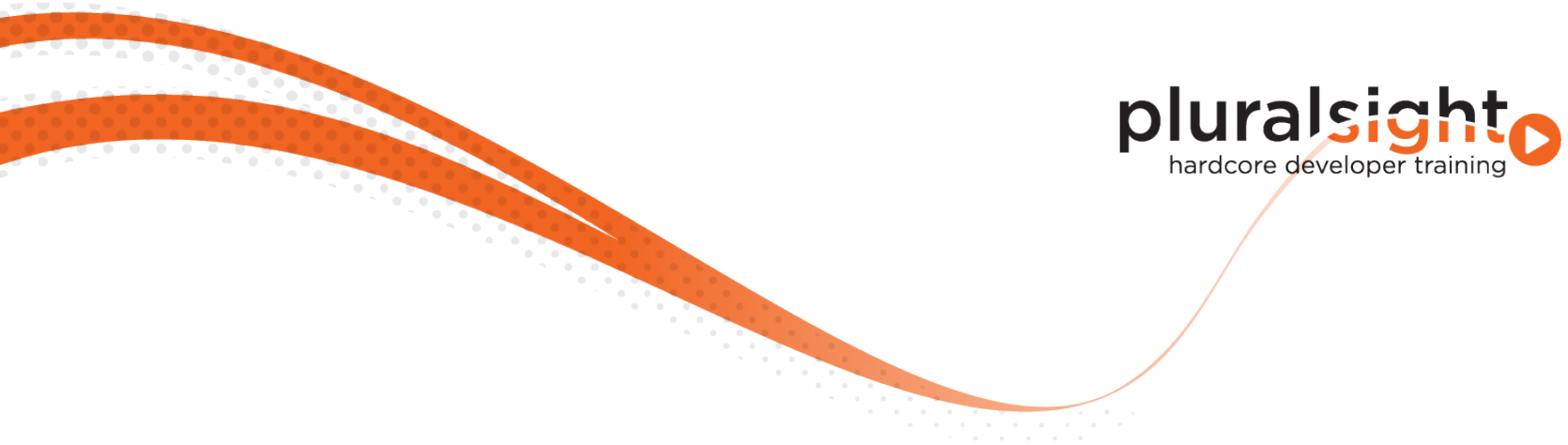

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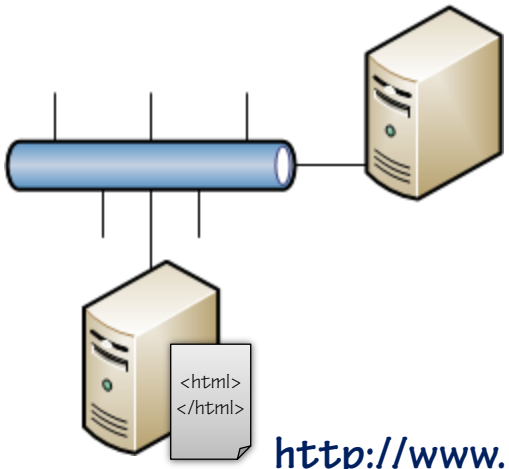
Outline

- HTML history
- An HTML document
- HTML and browsers

HTML history

- The internet
- The world wide web (WWW)
  - HTML
  - URI / URL
  - HTTP

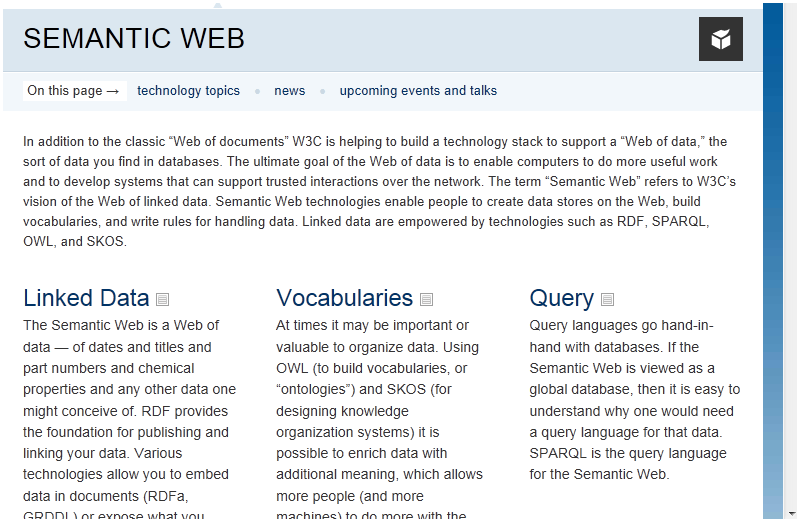


http://www.pluralsight.com/index.html

HTML documents

- **HTML was created to share research documents**
  - Text, data, images, all linked together
- **HTML is a markup language**
  - Meant to be processed by a client application (browser)

```
<html>
  <body>
   <h1>Semantic web</h1>
   ...
  </body>
</html>
```



Anatomy of an HTML document

- **doctype – declaration of standards compliance**
- **html – Root element**
- **head – Document metadata**
  - Used by browsers and search engines
- **body – Document data**
  - Displayed to the users by the client browser

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN"
    "http://www.w3.org/TR/html4/strict.dtd">
<html>
 <head>
   <title>My first page</title>
 </head>
  <body>
   <h1>Important heading</h1>
   text, data, links, etc.
  </body>
</html>
```

<head> - metadata

<title>	• The title of the document
<meta>	• includes metadata such as keywords
<script>	• includes script for interactive pages
<style>	• define styles to apply to body elements
<link>	• Directive indicating related documents
<base>	• defines the base address for all relative links on the page

<body> - data

- Headings
- Text
- Lists
- Links
- Tables
- Images / objects

Summary

- **HTML = HyperText Markup Language**
- **HTTP = protocol used to exchange documents**
- **URI/URL = the unique address of a particular document**
- **Useful links**
  - http://validator.w3.org/
  - http://www.w3.org/QA/2002/04/valid-dtd-list.html