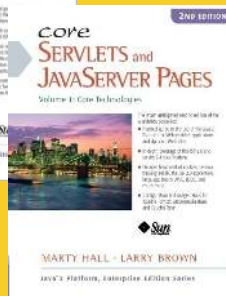




# HTML: A Crash Course

Originals of Slides and Source Code for Examples:  
<http://courses.coreservlets.com/Course-Materials/ajax.html>

**Customized Java EE Training:** <http://courses.coreservlets.com/>  
Servlets, JSP, JSF 2, PrimeFaces, Java 6 or 7, Ajax, jQuery, GWT, Spring, Hibernate, REST, Android.  
Developed and taught by well-known author and developer. At public venues or onsite at *your* location.



**For live Ajax & GWT training, see training courses at <http://courses.coreservlets.com/>.**



**Taught by the author of *Core Servlets and JSP*, *More Servlets and JSP*, and this tutorial. Available at public venues, or customized versions can be held on-site at your organization.**

- Courses developed and taught by Marty Hall
  - Java 6, Java 7, intermediate/beginning servlets/JSP, advanced servlets/JSP, Struts, JSF, Ajax, GWT, custom mix of topics
- Courses developed and taught by coreservlets.com experts (edited by Marty)
  - Spring, Hibernate, JPA, EJB3, Ruby/Rails

Contact [hall@coreservlets.com](mailto:hall@coreservlets.com) for details

## Topics in This Section

- Differences between xhtml and HTML 4
- Differences between HTML 5 and HTML 4
- Basic structure of an xhtml document
- Hypertext links and URLs
- Block-level elements
- Inline elements
- Tables
- Forms
- CSS: thumbnail overview
- References

4

© 2011 Marty Hall



## Differences between xhtml and HTML 4

Customized Java EE Training: <http://courses.coreservlets.com/>  
Servlets, JSP, JSF 2, PrimeFaces, Java 6 or 7, Ajax, jQuery, GWT, Spring, Hibernate, REST, Android.  
Developed and taught by well-known author and developer. At public venues or onsite at *your* location.

## xhtml: Case

- In HTML 4, case does not matter for tag names, attribute names, and predefined attribute values
  - `<BODY>`, `<Body>`, and `<body>` are equivalent
  - `<H1 ALIGN="...">` is equivalent to `<H1 aLiGn="...">`
  - `<INPUT TYPE="TEXT">` is equivalent to `<INPUT TYPE="text">`
- In xhtml, use lower case for tag names, attribute names, and predefined values
  - `<body>`
  - `<h1 align="...">`
  - `<input type="text" />`

6

## xhtml: Quotes

- In HTML 4, quotes are optional if attribute value contains only alphanumeric values
  - `<H1 ALIGN="LEFT">` or
  - `<H1 ALIGN=LEFT>`
- In xhtml, you must always use single or double quotes
  - `<h1 align="left">` or
  - `<h1 align='left'>`

7

# xhtml: End Tags

- **HTML 4**

- Some tags are containers
  - `<H1>...</H1>`, `<A HREF...>...</A>`
- Some tags are standalone
  - `<BR>`, `<HR>`
- Some tags have optional end tags
  - `<P>`, `<LI>`, `<TR>`, `<TD>`, `<TH>`

- **XHTML**

- All tags are containers. End tags always required.
  - `<p>...</p>`, `<li>...</li>`
- If there is no body content, start/end tags can be merged
  - `<br></br>` → `<br/>`
    - An IE bug prevents this for script tags. Use `<script ...></script>` always.
    - Some people use `<br />` (space before slash) for compatibility with very old browsers. But these old browsers won't support XMLHttpRequest anyhow, so this is less important in Ajax apps.

8

# xhtml: Boolean Attributes

- **In HTML 4, you can use minimized notation for boolean attributes**

- `<option value="1" selected>...</option>`
- `<dl compact>`

- **In xhtml, you must write out the attribute values**

- `<option value="1" selected="selected">...</option>`
- `<dl compact="compact">`

9

# Ajax and Dynamic xhtml

- **Dynamically inserted HTML should follow same rules as regular HTML**
  - Case, quotes, end tags, and boolean attributes
- **Wrong**
  - `document.getElementById(resultRegion).innerHTML = '<H1 ALIGN="CENTER">Some<BR>Text</H1>';`
- **Right**
  - `document.getElementById(resultRegion).innerHTML = '<h1 align="center">Some<br/>Text</h1>';`

10

© 2011 Marty Hall



## General Format of xhtml Documents

Customized Java EE Training: <http://courses.coreservlets.com/>  
Servlets, JSP, JSF 2, PrimeFaces, Java 6 or 7, Ajax, jQuery, GWT, Spring, Hibernate, REST, Android.  
Developed and taught by well-known author and developer. At public venues or onsite at *your* location.

[Click here to download full PDF material](#)