

Web Application Development

HTML: Hypertext Markup Language

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Sample HTML

```
<!DOCTYPE HTML>
<html>
<head><title>A Simple Example</title></head>
<body>
<p>
43 may be &gt; 42, but 42 is the answer to the
ultimate question of life, the universe, and
everything.
</p>

<p>Our leader:<br>
</p>
<form action="hello.html" method="get">
  Name: <input type="text" name="first_name">
  <input type="submit">
</form>
</body>
</html>
```

Some common tags

<!DOCTYPE HTML> declares the format as an HTML5 file

<html> starts the file

<title> specifies title in the title bar

<body> delineates the body of the page

<p> delineates a paragraph

**
** line break

<table> delineates a table

<tr> table row

<td> table data

**** unordered list

**** list item

<form> delineates a form used to enter and send data

<input> specifies a data element in a form

<a> specifies an anchor (typically a hyperlink using **href**)

example: **Click here**

<div> delineates a vertical division

**** delineates a horizontal division

Significant developments in HTML

- Standardization:
 - HTML4, XHTML, and HTML5
 - Check out W3C Markup Validation Service (<http://validator.w3.org>)
- Document Object Model (DOM) and JavaScript
- Cascading Style Sheets (CSS)

You should know:

- How to use all the tags in this video
 - And their common attributes
 - Especially <div>, , and <form>
- How to write and validate simple HTML5 pages

Some resources

- Sample HTML files on the course site
- Dave Kosbie's 15-237 Introduction to HTML
 - <http://www.kosbie.net/cmu/fall-12/15-237/handouts/html-notes/html-notes.html>
- One HTML tutorial and tag reference:
 - <http://www.w3schools.com/html/>
 - <http://www.w3schools.com/tags/>
- W3C Validation Service
 - <http://validator.w3.org>