

IT350 Web and Internet Programming

Fall 2006

SlideSet #3: XHTML Tables & Forms

(from Chapter 5 of the text)

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5.2 Basic XHTML Tables

A screenshot of Microsoft Internet Explorer version 6.0 displaying a simple XHTML table. The window title is "A simple XHTML table - Microsoft Internet Explorer". The address bar shows the URL "C:\IW3HTP3\examples\ch05\table1.html". The table has a caption "Price of Fruit". It consists of two columns: "Fruit" and "Price". The data rows are: Apple (\$0.25), Orange (\$0.50), Banana (\$1.00), Pineapple (\$2.00), and a summary row "Total" (\$3.75). The browser interface includes standard menu bars (File, Edit, View, Favorites, Tools, Help) and toolbar icons.

Fruit	Price
Apple	\$0.25
Orange	\$0.50
Banana	\$1.00
Pineapple	\$2.00
Total	\$3.75

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Table Basics

- **table** element
 - border, summary, caption
 - Sections:
 - <thead>
 - <tfoot>
 - <tbody>
 - <tr>
 - Actual contents:
 - <th>
 - <td>

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```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.1: table1.html -->
6 <!-- Creating a basic table -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10    <title>A simple XHTML table</title>
11   </head>
12
13 <body>
14
15  <!-- the <table> tag opens a table -->
16  <table border = "1" width = "40%" 
17    summary = "This table provides information about
18      the price of fruit">
19
20  <!-- the <caption> tag summarizes the table's -->
21  <!-- contents (this helps the visually impaired) -->
22  <caption><strong>Price of Fruit</strong></caption>
23
```

table.html
(1 of 3)

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```

24      <!-- the <thead> is the first section of a table -->
25      <!-- it formats the table header area           -->
26      <thead>
27          <tr>           <!-- <tr> inserts a table row -->
28              <th>Fruit</th> <!-- insert a heading cell -->
29              <th>Price</th>
30          </tr>
31      </thead>
32
33      <!-- the <tfoot> is the last section of a table -->
34      <!-- it formats the table footer           -->
35      <tfoot>
36          <tr>
37              <th>Total</th>
38              <th>$3.75</th>
39          </tr>
40      </tfoot>
41
42      <!-- all table content is enclosed  -->
43      <!-- within the <tbody>           -->
44      <tbody>
45          <tr>
46              <td>Apple</td> <!-- insert a data cell -->
47              <td>$0.25</td>
48          </tr>
49
50      ...
51  </tbody>
52</table>
```

table.html
(2 of 3)

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5.3 Intermediate XHTML Tables and Formatting

The screenshot shows a Microsoft Internet Explorer window displaying a table titled "Camelid comparison". The table has a header row with columns for "# of Humps", "Indigenous region", "Spits?", and "Produces Wool?". Below the header, there are two data rows: one for "Camels (bactrian)" with 2 humps, indigenous to Africa/Asia, and both spits and produces wool; and another for "Llamas" with 1 hump, indigenous to Andes Mountains, and both spits and produces wool. To the left of the table, there is an image of a camel and a caption that reads "Here is a more complex sample table." The browser interface includes a title bar, menu bar, toolbar, address bar, and status bar.

	# of Humps	Indigenous region	Spits?	Produces Wool?
Camels (bactrian)	2	Africa/Asia	Yes	Yes
Llamas	1	Andes Mountains	Yes	Yes

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```

.....





```

table2.html
(2 of 4)

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```
| # of Humps | Indigenous region | Spits? | Produces Wool? |
| --- | --- | --- | --- |

```

table2.html
(3 of 4)

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Exercise #1: Write XHTML to generate this table:

Enrollment

Plebes	3
Youngsters	14
Total	17

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Exercise #2: Write XHTML to generate this table:

32		94
78	89	92

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Exercise #3: Write XHTML to generate this table:

17	320	43
32		
78		92

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5.4 Basic XHTML Forms

The screenshot shows a Microsoft Internet Explorer window with the title bar "Internet and WWW How to Program - Forms - Microsoft Internet E...". The address bar contains the URL "C:\IW3HTP3\examples\ch05\form.html". The main content area displays a form titled "Feedback Form" with the instruction "Please fill out this form to help us improve our site.". It includes a text input field labeled "Name:" and two buttons at the bottom: "Submit Your Entries" and "Clear Your Entries". At the bottom of the browser window, there are links for "Done", "My Computer", and other navigation icons.

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```

25 <form method = "post" action = "/cgi-bin/formmail">
26     <p>
27         <!-- hidden inputs contain non-visual -->
28         <!-- information -->
29         <input type = "hidden" name = "recipient"
30             value = "deitel@deitel.com" />
31         <input type = "hidden" name = "subject"
32             value = "Feedback Form" />
33         <input type = "hidden" name = "redirect"
34             value = "main.html" />
35     </p>
36
37     <!-- <input type = "text"> inserts a text box -->
38     <p><label>Name:</label>
39         <input name = "name" type = "text" size = "25"
40             maxLength = "30" />
41     </label></p>
42
43     <!-- input types "submit" and "reset" insert -->
44     <!-- buttons for submitting and clearing the -->
45     <!-- form's contents -->
46     <input type = "submit" value =
47         "Submit Your Entries" />
48     <input type = "reset" value =
49         "Clear Your Entries" />
50
51 </p>
</form>

```

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form.html
(2 of 3)

5.5 More Complex XHTML Forms

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Key issue: How is data sent to the server?

- **method = “get”**

Appends form data directly to the end of the URL

<http://...submit.cgi?name=smith&vote=3>

<http://www.google.com/search?q=monkeys>

- **method = “post”**

Appends form data to the browser request

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Key issue: What provides security?

- Using **<input type="password">**
- Using **<input type="hidden">**
- Using **https://**
- Using **http://**

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