

IT350 Web and Internet Programming

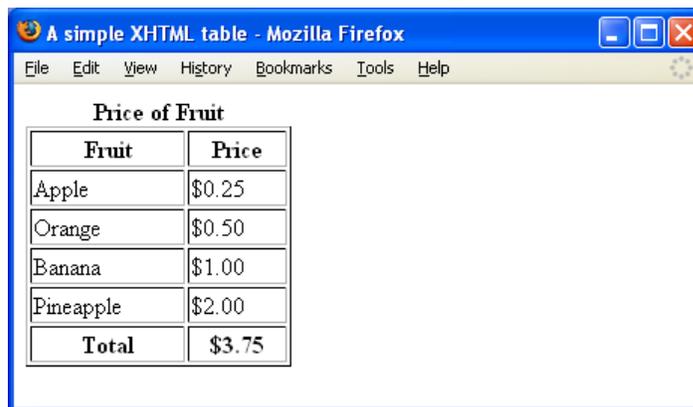
Fall 2008

SlideSet #3: XHTML Tables & Forms

(from Chapter 4 of the text)

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4.10 Tables



The screenshot shows a Mozilla Firefox browser window with the title "A simple XHTML table - Mozilla Firefox". The browser's menu bar includes "File", "Edit", "View", "History", "Bookmarks", "Tools", and "Help". The main content area displays a table titled "Price of Fruit". The table has two columns: "Fruit" and "Price". The rows are: Apple (\$0.25), Orange (\$0.50), Banana (\$1.00), Pineapple (\$2.00), and a total row with "Total" and "\$3.75".

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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Table Example #1

table1.html
(1 of 3)

```
<?xml version = "1.0" encoding = "utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<!-- Fig. 4.10: table1.html -->
<!-- Creating a basic table. -->
<html xmlns = "http://www.w3.org/1999/xhtml">
  <head>
    <title>A simple XHTML table</title>
  </head>

  <body>

    <!-- the <table> tag opens a table -->
    <table border = "1" width = "40%"
      summary = "This table provides information about
        the price of fruit">

      <!-- the <caption> tag summarizes the table's -->
      <!-- contents (this helps the visually impaired) -->
      <caption><strong>Price of Fruit</strong></caption>
```

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```

<!-- the <thead> section appears first in the table -->
<!-- it formats the table header area -->

<thead>
  <tr> <!-- <tr> inserts a table row -->
    <th>Fruit</th> <!-- insert a heading cell -->
    <th>Price</th>
  </tr>
</thead>

<!-- the <tfoot> section appears last in the table -->
<!-- it formats the table footer -->
<tfoot>
  <tr>
    <th>Total</th>
    <th>$3.75</th>
  </tr>
</tfoot>

<!-- all table content is enclosed -->
<!-- within the <tbody> -->
<tbody>
  <tr>
    <td>Apple</td> <!-- insert a data cell -->
    <td>$0.25</td>
  </tr>

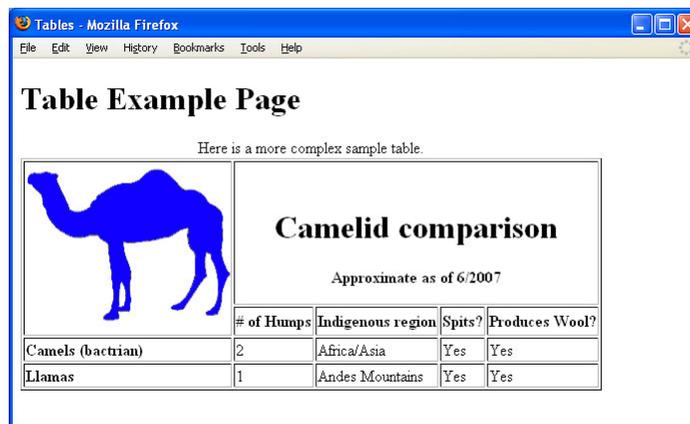
  <tr>
    <td>Orange</td>
    <td>$0.50</td>
  </tr>
  ...
</tbody>
</table>

```

table1.html
(2 of 3)

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Table Example #2 (modified)



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```

<table border = "1">
  <caption>Here is a more complex sample table.</caption>
  <thead>
    <!-- rowspans and colspans merge the specified -->
    <!-- number of cells vertically or horizontally -->
    <tr>
      <!-- merge two rows -->
      <th rowspan = "2">
        <img src = "camel.gif" width = "205"
          height = "167" alt = "Picture of a camel" />
      </th>
      <!-- merge four columns -->
      <th colspan = "4" valign="bottom">
        <h1>Camelid comparison</h1>
        <p>Approximate as of 6/2007</p>
      </th>
    </tr>
    <tr>
      <th># of Humps</th>
      <th>Indigenous region</th>
      <th>Spits?</th>
      <th>Produces Wool?</th>
    </tr>
  </thead>

```

table2.html
(2 of 4)

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```

<tbody>
  <tr>
    <th align="left">Camels (bactrian)</th>
    <td>2</td>
    <td>Africa/Asia</td>
    <td>Yes</td>
    <td>Yes</td>
  </tr>
  <tr>
    <th align="left">Llamas</th>
    <td>1</td>
    <td>Andes Mountains</td>
    <td>Yes</td>
    <td>Yes</td>
  </tr>
</tbody>
</table>

```

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	81

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Exercise #3: Write XHTML to generate this table:

17	320	43
32		
78	92	

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4.11 Forms



The screenshot shows a Mozilla Firefox browser window titled "Forms - Mozilla Firefox". The menu bar includes "File", "Edit", "View", "History", "Bookmarks", "Tools", and "Help". The main content area displays a "Feedback Form" with the following elements:

- A heading: **Feedback Form**
- A paragraph: "Please fill out this form to help us improve our site."
- A label: "Name:" followed by a text input field.
- Two buttons: "Submit" and "Clear".

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```

<form method = "post" action = "cgi-bin/sendmail.pl">
  <p>
    <!-- hidden inputs contain non-visual -->
    <!-- information -->
    <input type = "hidden" name = "recipient"
      value = "deitel@deitel.com" />
    <input type = "hidden" name = "subject"
      value = "Feedback Form" />
    <input type = "hidden" name = "redirect"
      value = "main.html" />
  </p>

  <!-- <input type = "text"> inserts a text box -->
  <p><label>Name:
    <input name = "name" type = "text" size = "25"
      maxlength = "30" />
  </label></p>

  <p>
    <!-- input types "submit" and "reset" insert -->
    <!-- buttons for submitting and clearing the -->
    <!-- form's contents -->
    <input type = "submit" value = "Submit" />
    <input type = "reset" value = "Clear" />
  </p>
</form>

```

form.html
(2 of 3)

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5.5 More Complex XHTML Forms

The screenshot shows a web browser window titled 'More Forms - Mozilla Firefox'. The page content is as follows:

Feedback Form

Please fill out this form to help us improve our site.

Name:

Comments:
Enter comments here.

E-mail Address:

Things you liked:
 Site design Links Ease of use Images Source code

How did you get to our site?:
 Search engine Links from another site Deitel.com Web site Reference in a book Other

Rate our site:
 10
 9
 8
 7
 6
 5
 4
 3
 2
 1
 Awful

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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://...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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