IT350 Web and Internet Programming
Fall 2007
SlideSet #3: XHTML Tables & Forms

(from Chapter 5 of the text)
5.2 Basic XHTML Tables
Table Basics

• **table element**
  - border, summary, caption
  - Sections:
    • `<thead>`
    • `<tfoot>`
    • `<tbody>`
  - `<tr>`

  - **Actual contents:**
    • `<th>`
    • `<td>`
<?xml version = "1.0"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">

<!-- Fig. 5.1: 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>

    </table>
  </body>
</html>
<thead>
<tr>
    <th>Fruit</th>
    <th>Price</th>
</tr>
<tr>
    <th>Apples</th>
    <td>$0.25</td>
</tr>
</thead>

<tfoot>
<tr>
    <th>Total</th>
    <td>$3.75</td>
</tr>
</tfoot>

<tbody>
<tr>
    <td>Apples</td>
    <td>$0.25</td>
</tr>
<tr>
    <td>Oranges</td>
    <td>$0.50</td>
</tr>
<tr>
    <td>Lemons</td>
    <td>$0.75</td>
</tr>
</tbody>
5.3 Intermediate XHTML Tables and Formatting

Table Example Page

Here is a more complex sample table.

Camelid comparison

Approximate as of 9/2002

<table>
<thead>
<tr>
<th></th>
<th># of Humps</th>
<th>Indigenous region</th>
<th>Spits?</th>
<th>Produces Wool?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camels (bactrian)</td>
<td>2</td>
<td>Africa/Asia</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Llamas</td>
<td>1</td>
<td>Andes Mountains</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
<table border="1">
  <colgroup>
    <!-- span attribute determines how many columns -->
    <!-- the <col> tag affects -->
    <col align = "right" span = "1" />
  </colgroup>

  <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 = "top">
        <h1>Camelid comparison</h1>
        Approximate as of 9/2002
      </th>
    </tr>
  </thead>
</table>
<table>
<thead>
<tr>
<th># of Humps</th>
<th>Indigenous region</th>
<th>Spits?</th>
<th>Produces Wool?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Camels (bactrian)</td>
<td>2</td>
<td>Africa/Asia</td>
<td>Yes</td>
</tr>
<tr>
<td>Llamas</td>
<td>1</td>
<td>Andes Mountains</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Exercise #1: Write XHTML to generate this table:
Exercise #2: Write XHTML to generate this table:
Exercise #3: Write XHTML to generate this table:
5.4 Basic XHTML Forms

Feedback Form

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

Name: 

Submit Your Entries  Clear Your Entries
```
<form method = "post" action = "/cgi-bin/formmail">
  
  <!-- 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 Your Entries" />
      <input type = "reset" value = "Clear Your Entries" />

  </p>
</form>
```
5.5 More Complex XHTML Forms

Feedback Form

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

Name: Archie Tic

Comments:
Great site!

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 ☐ Direct.com Web site ☐ Reference in a book ☐ Other ☐

Rate our site:

Submit Your Entries  Clear Your Entries
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
Key issue: What provides security?

- Using `<input type="password">`

- Using `<input type="hidden">`

- Using `https://`

- Using `http://`