IT350 Web and Internet Programming

XHTML Tables and Forms
(from Chapter 4 of the text 4\textsuperscript{th} edition
Chapter 2 of the text 5\textsuperscript{th} edition)

4.10 Tables

<table>
<thead>
<tr>
<th>Fruit</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple</td>
<td>$0.25</td>
</tr>
<tr>
<td>Orange</td>
<td>$0.50</td>
</tr>
<tr>
<td>Banana</td>
<td>$1.00</td>
</tr>
<tr>
<td>Pineapple</td>
<td>$2.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$3.75</strong></td>
</tr>
</tbody>
</table>
Table Basics

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

Table Example #1

```xml
<?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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Table Example #2 (modified)

```
<!-- 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>
</body> </html>
```
<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 align="left"># of Humps</th>
      <th align="left">Indigenous region</th>
      <th align="left">Spits?</th>
      <th align="left">Produces Wool?</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td align="left">Camels (bactrian)</td>
      <td>2</td>
      <td>Africa/Asia</td>
      <td>Yes</td>
    </tr>
    <tr>
      <td align="left">Llamas</td>
      <td>1</td>
      <td>Andes Mountains</td>
      <td>Yes</td>
    </tr>
  </tbody>
</table>
Exercise #1: Write XHTML to generate this table:

<table>
<thead>
<tr>
<th>Plebes</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Youngsters</td>
<td>14</td>
</tr>
<tr>
<td>Total</td>
<td>17</td>
</tr>
</tbody>
</table>

Exercise #2: Write XHTML to generate this table:

<table>
<thead>
<tr>
<th>32</th>
<th>89</th>
<th>94</th>
</tr>
</thead>
<tbody>
<tr>
<td>78</td>
<td></td>
<td>92</td>
</tr>
</tbody>
</table>
Exercise #3: Write XHTML to generate this table:

<table>
<thead>
<tr>
<th>17</th>
<th>320</th>
<th>43</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>78</td>
<td>92</td>
</tr>
</tbody>
</table>

4.11 Forms

Feedback Form

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

Name: 

Submit  Clear
<form method="post" action="cgi-bin/sendmail.pl">
  <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><label>Name: <input name="name" type="text" size="25" maxlength="30" /></label></p>

  <p><input type="submit" value="Submit" />
  <input type="reset" value="Clear" /></p>
</form>

5.5 More Complex XHTML Forms
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://`
Exercise #1: Write XHTML to generate this form:

![Confirm Order form](image)

Exercise #2: Write XHTML to generate this form:

![Search catalog form](image)