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>Total</td>
<td>$3.75</td>
</tr>
</tbody>
</table>
Table Basics

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

<?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>
</body>
</html>
Table Example #2 (modified)
Here is a more complex sample table.

```
<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 -->
    <!-- merge two rows -->
    <tr rowspan = "2">
      <th rowspan = "2">
        <img src = "camel.gif" width = "205" height = "167" alt = "Picture of a camel" />
      </th>
    </tr>
    <!-- merge four columns -->
    <th colspan = "4" valign="bottom">
      <h1>Camelid comparison</h1>
      <p>Approximate as of 6/2007</p>
    </th>
  </thead>
  <tbody>
    <tr align = "left">
      <th>Camels (bactrian)</th>
      <td>2</td>
      <td>Africa/Asia</td>
      <td>Yes</td>
      <td>Yes</td>
    </tr>
    <tr align = "left">
      <th>Llamas</th>
      <td>1</td>
      <td>Andes Mountains</td>
      <td>Yes</td>
      <td>Yes</td>
    </tr>
  </tbody>
</table>
```
Exercise #1: Write XHTML to generate this table:

<table>
<thead>
<tr>
<th></th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plebes</td>
<td>3</td>
</tr>
<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>92</td>
<td>81</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></td>
<td></td>
</tr>
<tr>
<td>78</td>
<td></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
5.5 More Complex XHTML Forms

Feedback Form

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

Name:

Comments:

Enter comments here:

Email 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 ☐ Discussion Web site ☐ Reference in a book ☐ Other ☐

Rate us as:

[ ] 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5

About

[ ] Yes [ ] No

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Key issue: How is data sent to the server?

- **method = “get”**
  Append 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”**
  Append form data to the browser request

Key issue: What provides security?

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

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

- Using `https://`

- Using `http://`