4.10 Tables

<table>
<thead>
<tr>
<th>Price of Fruit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fruit</td>
<td>Price</td>
</tr>
<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>`

```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>
</body>
</html>
```
Table Example #2 (modified)

Here is a more complex sample table.

Camelid comparison

Approximate as of 6/2007

<table>
<thead>
<tr>
<th>Camel Type</th>
<th># of Humps</th>
<th>Indigenous Region</th>
<th>Spits?</th>
<th>Producers Wood?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camel (dromedary)</td>
<td>1</td>
<td>Africa</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Camel (Bactrian)</td>
<td>2</td>
<td>Asian Desert</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Llama</td>
<td>1</td>
<td>Andes Mountains</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</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 -->
    <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>
  <tbody>
    <tr align="left">
      <td>Camels (bactrian)</td>
      <td>2</td>
      <td>Africa/Asia</td>
      <td>Yes</td>
      <td>Yes</td>
    </tr>
    <tr align="left">
      <td>Llamas</td>
      <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:

```
32 89 94
78 89 92 81
```
Exercise #3: Write XHTML to generate this table:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>320</td>
<td>43</td>
</tr>
<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: [Input Field]

[Submit] [Clear]
5.5 More Complex XHTML Forms

Feedback Form

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

Name:  
Comments:  
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  
- Database Web site  
- Reference in a book  
- Other  

Joke or me:  

Submit  
Clear
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://`