5.2 Basic XHTML Tables

A simple XHTML table - Microsoft Internet Explorer

<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>

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Table Basics

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

```html
<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="600">
    <caption>
      This table provides information about the price of fruit:
    </caption>
    <!-- the caption tag summarizes the table's -->
    <!-- contents (this helps the visually impaired) -->
    <tr>
      <th>Item</th>
      <th>Price</th>
      <th>Per Unit</th>
    </tr>
    <tr>
      <td>Apple</td>
      <td>$0.50</td>
      <td>$0.05</td>
    </tr>
    <tr>
      <td>Banana</td>
      <td>$0.25</td>
      <td>$0.025</td>
    </tr>
  </table>

</body>
</html>
```

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5.3 Intermediate XHTML Tables and Formatting

Table Example Page

Here is a more complex sample table.

<table>
<thead>
<tr>
<th>Camelid comparison</th>
<th>Approximate as of 9/2002</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Camelid</strong></td>
<td><strong>Region</strong></td>
</tr>
<tr>
<td><strong>Bactrian</strong></td>
<td>Asia</td>
</tr>
<tr>
<td><strong>Dromedary</strong></td>
<td>Africa</td>
</tr>
<tr>
<td><strong>Llama</strong></td>
<td>Americas</td>
</tr>
</tbody>
</table>

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<table border="1">
  <thead>
    <tr valign = "bottom">
      <th # of Halves</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>
    </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:

<table>
<thead>
<tr>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plebes</td>
</tr>
<tr>
<td>Youngsters</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>

Exercise #2: Write XHTML to generate this table:

\[
\begin{array}{ccc}
32 & 89 & 94 \\
78 & 92 & 81 \\
\end{array}
\]
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>

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
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://`