IT350 Web and Internet Programming
Set 3: HTML5 Tables and Forms

(from Chapter 2 of the text 5th edition
Chapter 4 of the text 4th edition)

2.10 Tables
Table Basics

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

Table Example #1

```html
<!DOCTYPE html>
<!-- Fig. 2.12: table1.html -->
<!-- Creating a basic table. -->
<html>
<head>
  <meta charset = "utf-8" />
  <title>A simple HTML5 table</title>
</head>
<body>
  <!-- the <table> tag opens a table -->
  <table border = "1" >
    <!-- the <caption> tag summarizes the table's -->
    <!-- contents (this helps the visually impaired) -->
    <caption><strong>Table of Fruits (1<sup>st</sup> column) and Their Prices (2<sup>nd</sup> column)</strong></caption>
</body>
</html>
```
Table Example #2

```
<!— 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> <!-- insert a data cell -->
    <td>Apple</td>
    <td>$0.25</td>
  </tr>
  <tr>
    <td>Orange</td>
    <td>$0.50</td>
  </tr>
  ...
</tbody>
```

Adapted from © 2008 Prentice Hall, Inc. All rights reserved.
### A more complex sample table

**caption**

<table>
<thead>
<tr>
<th># of Humps</th>
<th>Indigenous region</th>
<th>Spits?</th>
<th>Produces wool?</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Africa/Asia</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>1</td>
<td>Andes Mountains</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Exercise #1: Write HTML5 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 HTML5 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 HTML5 to generate this table:

<table>
<thead>
<tr>
<th>17</th>
<th>320</th>
<th>43</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>92</td>
<td>78</td>
</tr>
</tbody>
</table>
More Complex HTML5 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 HTML5 to generate this form:

Exercise #2: Write HTML5 to generate this form: