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>
<html>
<head>
<meta charset = "utf-8"/>
<title>A simple HTML5 table</title>
</head>
<body>
<table border = "1">
  <caption><strong>Table of Fruits (1st column) and Their Prices (2nd column)</strong></caption>
  !-- 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 (1st column) and Their Prices (2nd column)</strong></caption>
</body>
</html>
```
Table Example #2
<table>
<thead>
<tr>
<th></th>
<th># of Humps</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>
<td>Yes</td>
</tr>
<tr>
<td>Llamas</td>
<td>1</td>
<td>Andes Mountains</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*Approximate as of 6/2011*
Exercise #1: Write HTML5 to generate this table:

<table>
<thead>
<tr>
<th></th>
<th>Enrollments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Youngsters 2</td>
<td>17</td>
</tr>
<tr>
<td>Total</td>
<td>19</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:

| 17 | 320 | 43 |
| 32 | 92  |    |
| 78 |     |    |

2.11 Forms
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: