SY306 Web and Databases for Cyber Operations

Set 2: HTML5 Tables and Forms
Table Basics

- **table element**
  - **Sections:**
    - `<thead>`
    - `<tfoot>`
    - `<tbody>`
  - **Rows:**
    - `<tr>`
  - **Content:**
    - `<th>`
    - `<td>`
  - **caption**

Table Example #1

```html
<table>
  <caption>Table of Fruits (1st column) and Their Prices (2nd column)</caption>
  <thead>
    <tr>
      <th>Fruit</th>
      <!-- insert a heading cell -->
      <th>Price</th>
    </tr>
    <tbody>
      <tr>
        <td>Apple</td>
        <td>$0.25</td>
      </tr>
      <!-- more rows...
      <tfoot>
        <tr>
          <th>Total</th>
          <th>$3.75</th>
        </tr>
      </tfoot>
    </tbody>
</table>
```

Table of Fruits (1st column) and Their Prices (2nd column)

<table>
<thead>
<tr>
<th>Fruit</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple</td>
<td>$0.25</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total $3.75
CSS for Table Border

...<head>
<style type = "text/css">
  table, td, th{
    border: 1px solid black;
  }
</style>
...</head>
Table 2 – part 1

A more complex sample table

<table>
<thead>
<tr>
<th># of Humps</th>
<th>Indigenous region</th>
<th>Spits?</th>
<th>Produces wool?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camels (bactrian)</td>
<td>Africa/Asia</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Llamas</td>
<td>Andes Mountains</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Approximate as of 6/2011

Table 2 – part 2
Exercise #1: Write HTML5 to generate this table:

<table>
<thead>
<tr>
<th>Enrollment</th>
<th>Youngsters</th>
<th>2</th>
<th>C</th>
<th>Total</th>
<th>19</th>
</tr>
</thead>
</table>

Exercise #2: Write HTML5 to generate this table:

<table>
<thead>
<tr>
<th>Enrollment</th>
<th>32</th>
<th>89</th>
<th>94</th>
</tr>
</thead>
<tbody>
<tr>
<td>78</td>
<td>92</td>
<td>81</td>
<td></td>
</tr>
</tbody>
</table>
Exercise #3: Write HTML5 to generate this table:

<table>
<thead>
<tr>
<th>17</th>
<th>32</th>
<th>92</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>78</td>
<td></td>
</tr>
</tbody>
</table>

Feedback Form

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

Name: [ex: John Doe]

Submit  Clear
Form Basics

```html
<form method="post" action="cgi-bin/sendmail.pl">
  <p><label>Name:<br/>
      <input name="name" type="text" size="25"
             maxlength="30" placeholder = "John Doe"/>
  </label></p>

  <input type="submit" value="Submit" />
  <input type="reset" value="Clear" />

</form>
```

Hidden Form Inputs

```html
<p>
  <input type = "hidden" name = "recipient"
         value = "deitel@deitel.com" />
  <input type = "hidden" name = "subject"
         value = "Feedback Form" />
  <input type = "hidden" name = "redirect"
         value = "main.html" />
</p>
```
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 #2: Write HTML5 to generate this form: