

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)

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2.10 Tables

Fruit	Price
Apple	\$0.25
Orange	\$0.50
Banana	\$1.00
Pineapple	\$2.00
Total	\$3.75

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Table Basics

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

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Table Example #1

```
<!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 (1st column) and Their Prices
(2nd column)</strong></caption>
```

table1.html
(1 of 2)

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```

<!-- 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>
    <td>Apple</td> <!-- insert a data cell -->
    <td>$0.25</td>
  </tr>

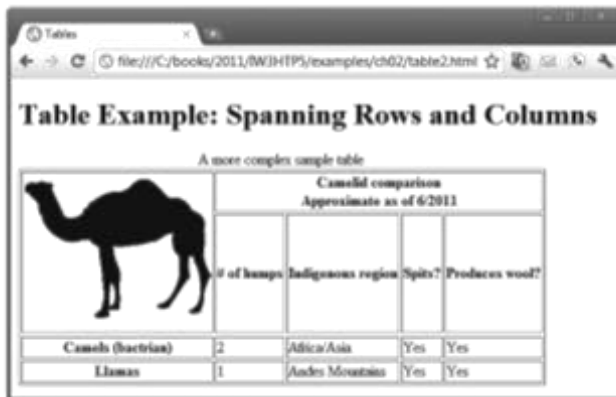
  <tr>
    <td>Orange</td>
    <td>$0.50</td>
  </tr>
  ...
</tbody>
</table>
</body> </html>

```

table1.html
(2 of 2)

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Table Example #2



The screenshot shows a web browser window with the title "Table Example: Spanning Rows and Columns". The page content includes a heading "A more complex sample table" and a sub-heading "Camelid comparison Approximate as of 6/2011". To the left of the table is a silhouette of a camel. The table has four columns: "Number of humps", "Indigenous region", "Spits?", and "Produces wool?". The data rows are:

	Number of humps	Indigenous region	Spits?	Produces wool?
Camels (Bactrian)	2	Africa/Asia	Yes	Yes
Llamas	1	Andes Mountains	Yes	Yes

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```

<table border = "1">
  <caption>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">
        <strong>Camelid comparison </strong><br/>
        Approximate as of 6/2011
      </th>
    </tr>
    <tr>
      <th># of Humps</th>
      <th>Indigenous region</th>
      <th>Spits?</th>
      <th>Produces wool?</th>
    </tr>
  </thead>

```

table2.html
(1 of 2)

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```

<tbody>
  <tr>
    <th>Camels (bactrian)</th>
    <td>2</td>
    <td>Africa/Asia</td>
    <td>Yes</td>
    <td>Yes</td>
  </tr>
  <tr>
    <th>Llamas</th>
    <td>1</td>
    <td>Andes Mountains</td>
    <td>Yes</td>
    <td>Yes</td>
  </tr>
</tbody>
</table>

```

table2.html
(2 of 2)

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Exercise #1: Write HTML5 to generate this table:

Enrollment	
Youngsters	2
2/C	17
Total	19

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Exercise #2: Write HTML5 to generate this table:

32	94
78	89
	92
	81

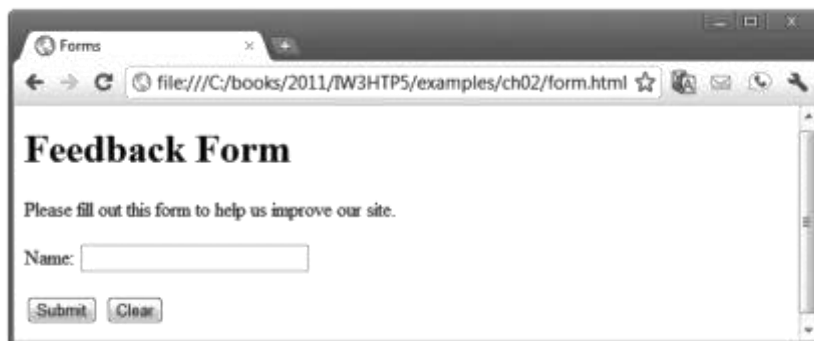
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Exercise #3: Write HTML5 to generate this table:

17 320 43
32
78 ⁹²

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2.11 Forms



The image shows a screenshot of a web browser window. The title bar reads "Forms". The address bar shows the file path: "file:///C:/books/2011/TW3HTP5/examples/ch02/form.html". The main content area displays a "Feedback Form" with the following elements:

- Feedback Form** (Section Header)
- Please fill out this form to help us improve our site.
- Name:
-

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```

<form method = "post" action = "cgi-bin/sendmail.pl">
  <p>
    <!-- hidden inputs contain non-visual -->
    <!-- information -->
    <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>

  <!-- <input type = "text"> inserts a text box -->
  <p><label>Name:
    <input name = "name" type = "text" size = "25"
      maxlength = "30" />
  </label></p>

  <p>
    <!-- input types "submit" and "reset" insert -->
    <!-- buttons for submitting and clearing the -->
    <!-- form's contents -->
    <input type = "submit" value = "Submit" />
    <input type = "reset" value = "Clear" />
  </p>
</form>

```

form.html
(2 of 3)

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More Complex HTML5 Forms

The screenshot shows a web browser window titled 'More Forms' with the URL 'file:///C:/books/2011/DW3HTPS/examples/ch02/tom2.html'. The page content is a 'Feedback Form' with the following elements:

- Title:** Feedback Form
- Text:** Please fill out this form to help us improve our site.
- Name:** A text input field.
- Comments:** A text area with the placeholder text 'Enter comments here.'
- E-mail Address:** A text input field.
- Things you liked:** A list of checkboxes: Site design, Links, Ease of use, Images, Source code.
- How did you get to our site?:** Radio buttons for Search engine, Links from another site, Deitel.com Web site, Reference in a book, and Other.
- Rate our site:** A dropdown menu with 'Amazing' selected, and a vertical list of radio buttons numbered 10 down to 1.
- Buttons:** 'Submit' and 'Reset' buttons.

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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://...submit.cgi?name=smith&vote=3)
<http://www.google.com/search?q=monkeys>

- **method = “post”**
Appends form data to the browser request

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Key issue: What provides security?

- Using `<input type="password">`

- Using `<input type="hidden">`

- Using `https://`

- Using `http://`

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Exercise #1: Write HTML5 to generate this form:

Confirm Order

Address:
Email (for confirmation):
Password (optional, to retrieve information later):

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Exercise #2: Write HTML5 to generate this form:

Search catalog

Keyword:
Category: Electronics Books Toys

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