

Introduction to XHTML: Part 2

Outline

- 5.1 Introduction
- 5.2 Basic XHTML Tables
- 5.3 Intermediate XHTML Tables and Formatting
- 5.4 Basic XHTML Forms
- 5.5 More Complex XHTML Forms
- 5.6 Internal Linking
- 5.7 Creating and Using Image Maps
- 5.8 meta Elements
- 5.9 frameset Element
- 5.10 Nested framesets
- 5.11 Web Resources

Objectives

- In this lesson, you will learn:
 - To be able to create tables with rows and columns of data.
 - To be able to control table formatting.
 - To be able to create and use forms.
 - To be able to create and use image maps to aid in Web-page navigation.
 - To be able to make Web pages accessible to search engines using `meta` elements.
 - To be able to use the `frameset` element to display multiple Web pages in a single browser window.



5.1 Introduction

- Tables
 - Present information
- Forms
 - Collect information from visitor
- Internal linking and image maps
 - Enhance Web page navigation
- Frames
 - Display multiple documents in the browser



5.2 Basic XHTML Tables

- Organize data into rows and columns
- `table` element
 - Attribute `border`
 - Specifies the table's border width in pixels
 - Attribute `summary`
 - Describes the table's contents
 - Attribute `caption`
 - Describes the table's content and helps text-based browsers interpret table data
 - Head section (header cell, defined with a `thead` element)
 - Contains header information such as column names
 - `tr` element (defines an individual table row)
 - `th` element (defines the columns in the head section)
 - Foot section (defined with a `tfoot` element)
 - Table body (defined with a `tbody` element)
 - Data cells (defined with `td` element)



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.1: table1.html -->
6 <!-- Creating a basic table -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>A simple XHTML table</title>
11   </head>
12
13   <body>
14
15     <!-- the <table> tag opens a table -->
16     <table border = "1" width = "40%"
17       summary = "This table provides information about
18         the price of fruit">
19
20     <!-- the <caption> tag summarizes the table's -->
21     <!-- contents (this helps the visually impaired) -->
22     <caption><strong>Price of Fruit</strong></caption>
23
```



Outline



table.html (1 of 3)

```

24      <!-- the <thead> is the first section of a table -->
25      <!-- it formats the table header area          -->
26      <thead>
27          <tr>                <!-- <tr> inserts a table row -->
28              <th>Fruit</th> <!-- insert a heading cell -->
29              <th>Price</th>
30          </tr>
31      </thead>
32
33      <!-- the <tfoot> is the last section of a table -->
34      <!-- it formats the table footer              -->
35      <tfoot>
36          <tr>
37              <th>Total</th>
38              <th>$3.75</th>
39          </tr>
40      </tfoot>
41
42      <!-- all table content is enclosed -->
43      <!-- within the <tbody>            -->
44      <tbody>
45          <tr>
46              <td>Apple</td> <!-- insert a data cell -->
47              <td>$0.25</td>
48          </tr>

```



Outline



table.html
(2 of 3)

```
49
50     <tr>
51         <td>Orange</td>
52         <td>$0.50</td>
53     </tr>
54
55     <tr>
56         <td>Banana</td>
57         <td>$1.00</td>
58     </tr>
59
60     <tr>
61         <td>Pineapple</td>
62         <td>$2.00</td>
63     </tr>
64 </tbody>
65
66 </table>
67
68 </body>
69 </html>
```



Outline



table.html
(3 of 3)

The screenshot shows a Microsoft Internet Explorer browser window. The title bar reads "A simple XHTML table - Microsoft Internet Explorer". The menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The address bar shows the URL "C:\IW3HTP3\examples\ch05\table1.html". The main content area displays a table with the following data:

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

The status bar at the bottom shows "Done" and "My Computer".



5.3 Intermediate XHTML Tables and Formatting

- Element `colgroup`
 - Groups and formats columns
- Element `col`
 - Attribute `align`
 - Determines the alignment of text in the column
 - Attribute `span`
 - Determines how many columns the `col` element formats
 - `rowspan` and `colspan`
 - Specify the number of rows or columns occupied by a cell
 - `valign`
 - Aligns data vertically
 - One of the four values: “top”, “middle”, “bottom”, “baseline”



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.2: table2.html -->
6 <!-- Intermediate table design -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Tables</title>
11   </head>
12
13   <body>
14
15     <h1>Table Example Page</h1>
16
17     <table border = "1">
18       <caption>Here is a more complex sample table.</caption>
19
20       <!-- <colgroup> and <col> tags are used to -->
21       <!-- format entire columns -->
22       <colgroup>
23
```



Outline



table2.html (1 of 4)

```
24      <!-- span attribute determines how many columns -->
25      <!-- the <col> tag affects          -->
26      <col align = "right" span = "1" />
27  </colgroup>
28
29  <thead>
30
31      <!-- rowspans and colspans merge the specified -->
32      <!-- number of cells vertically or horizontally -->
33      <tr>
34
35          <!-- merge two rows -->
36          <th rowspan = "2">
37              <img src = "camel.gif" width = "205"
38                  height = "167" alt = "Picture of a camel" />
39          </th>
40
41          <!-- merge four columns -->
42          <th colspan = "4" valign = "top">
43              <h1>Camelid comparison</h1><br />
44              <p>Approximate as of 9/2002</p>
45          </th>
46      </tr>
47
```



Outline



table2.html
(2 of 4)

```
48     <tr valign = "bottom">
49         <th># of Humps</th>
50         <th>Indigenous region</th>
51         <th>Spits?</th>
52         <th>Produces wool?</th>
53     </tr>
54
55 </thead>
56
57 <tbody>
58
59     <tr>
60         <th>Camels (bactrian)</th>
61         <td>2</td>
62         <td>Africa/Asia</td>
63         <td>Yes</td>
64         <td>Yes</td>
65     </tr>
66
67     <tr>
68         <th>Llamas</th>
69         <td>1</td>
70         <td>Andes Mountains</td>
71         <td>Yes</td>
72         <td>Yes</td>
```



Outline



table2.html
(3 of 4)

```

73         </tr>
74     </tbody>
75 </table>
76
77 </table>
78
79 </body>
80 </html>

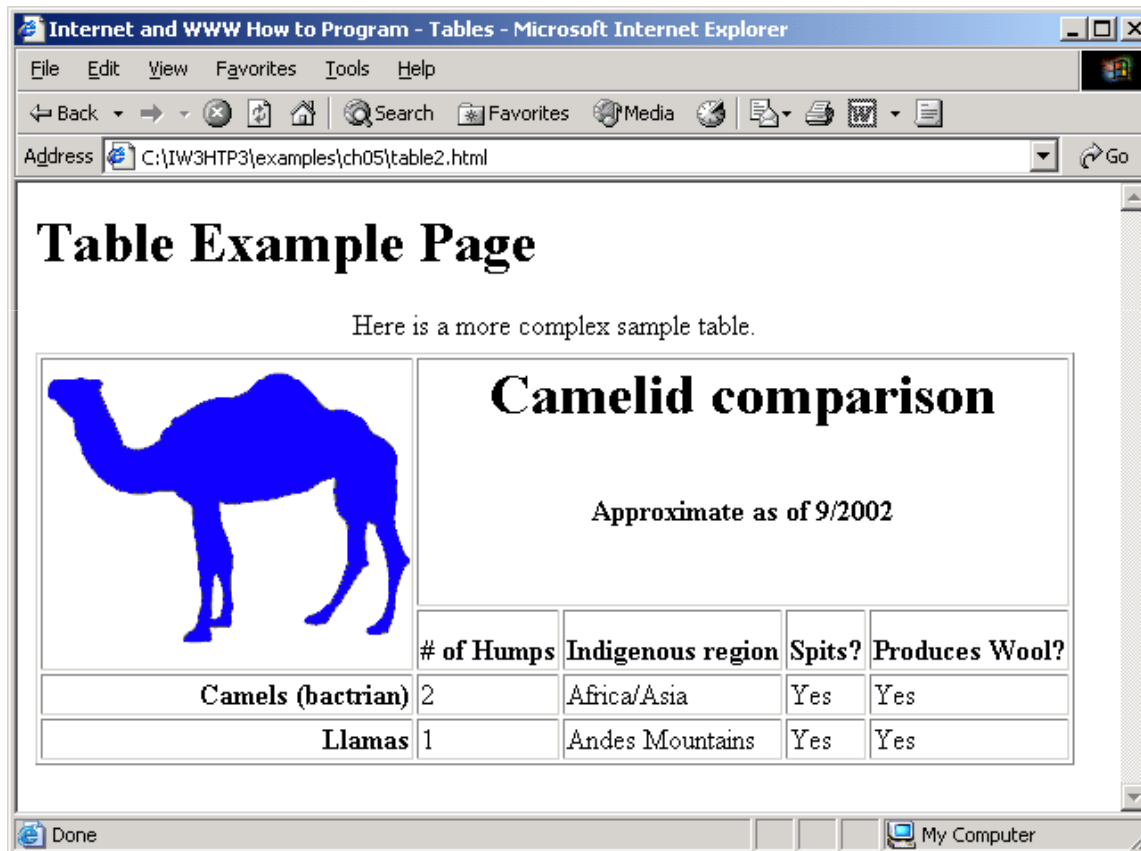
```



Outline



table2.html
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5.4 Basic XHTML Forms

- Element form
 - Attribute `method`
 - Specifies how the form's data is sent to Web server
 - `method = "post"`
 - Appends form data to the browser request
 - `method = "get"`
 - Appends form data directly to the end of the URL
 - Attribute `action`
 - Specifies the URL of a script on the Web server
 - `input`
 - Specifies data to provide to the script that processes the form



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.3: form.html -->
6 <!-- Form Design Example 1 -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Forms</title>
11   </head>
12
13   <body>
14
15     <h1>Feedback Form</h1>
16
17     <p>Please fill out this form to help
18       us improve our site.</p>
19
20     <!-- this tag starts the form, gives the -->
21     <!-- method of sending information and the -->
22     <!-- location of form scripts -->
23     <form method = "post" action = "/cgi-bin/formmail">
24
```



Outline



form.html
(1 of 3)

```

25     <p>
26         <!-- hidden inputs contain non-visual -->
27         <!-- information -->
28         <input type = "hidden" name = "recipient"
29             value = "deitel@deitel.com" />
30         <input type = "hidden" name = "subject"
31             value = "Feedback Form" />
32         <input type = "hidden" name = "redirect"
33             value = "main.html" />
34     </p>
35
36     <!-- <input type = "text"> inserts a text box -->
37     <p><label>Name:
38         <input name = "name" type = "text" size = "25"
39             maxlength = "30" />
40     </label></p>
41
42     <p>
43         <!-- input types "submit" and "reset" insert -->
44         <!-- buttons for submitting and clearing the -->
45         <!-- form's contents -->
46         <input type = "submit" value =
47             "Submit Your Entries" />
48         <input type = "reset" value =
49             "Clear Your Entries" />
50     </p>

```



Outline

form.html
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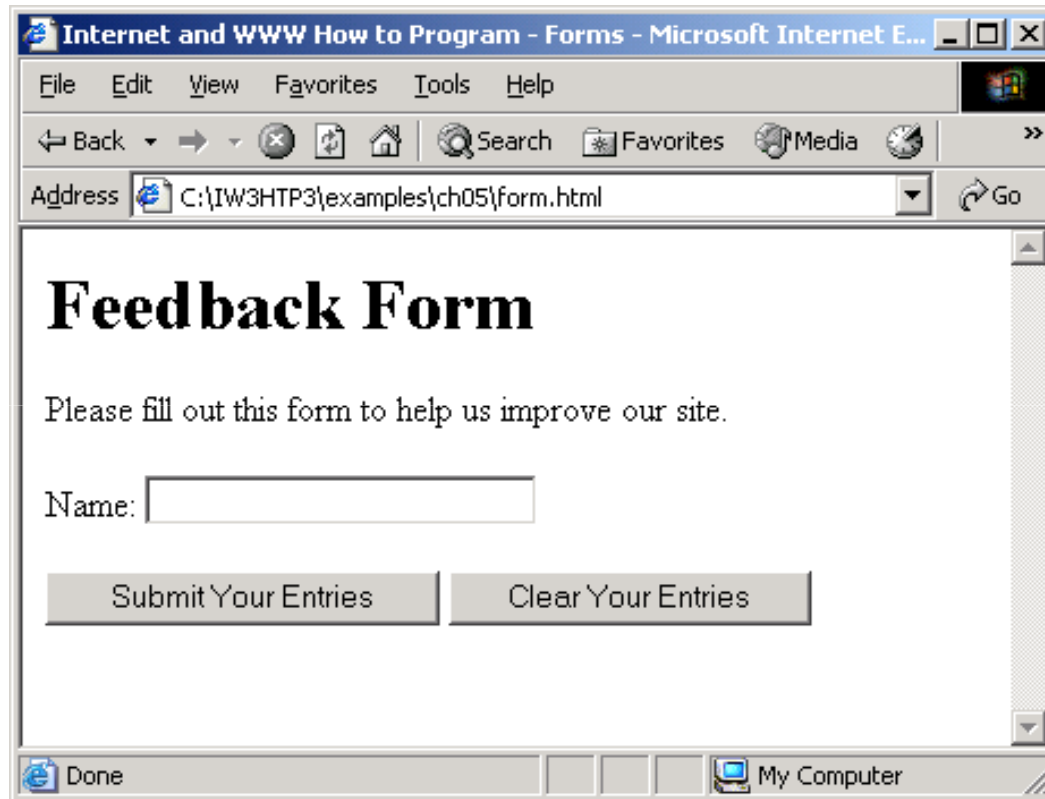

```
51
52     </form>
53
54 </body>
55 </html>
```



Outline



form.html
(3 of 3)



5.5 More Complex XHTML Forms

- Element `textarea`
 - Inserts a multiline text box (text area)
 - Attribute `rows`
 - Specifies the number of rows
 - Attribute `cols`
 - Specifies the number columns
 - Input “`password`”
 - Inserts a password box with the specified `size`
- Element `checkbox`
 - Enable users to select from a set of options
- Element `select`
 - Provides a drop-down list of items
- Element `option`
 - Adds items to the drop-down list
 - Attribute `selected`
 - Specifies which item initially is displayed as the selected item



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.4: form2.html -->
6 <!-- Form Design Example 2 -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Forms</title>
11   </head>
12
13   <body>
14
15     <h1>Feedback Form</h1>
16
17     <p>Please fill out this form to help
18       us improve our site.</p>
19
20     <form method = "post" action = "/cgi-bin/formmail">
21
```



Outline



form2.html
(1 of 4)

```
22     <p>
23         <input type = "hidden" name = "recipient"
24             value = "deitel@deitel.com" />
25         <input type = "hidden" name = "subject"
26             value = "Feedback Form" />
27         <input type = "hidden" name = "redirect"
28             value = "main.html" />
29     </p>
30
31     <p><label>Name:
32         <input name = "name" type = "text" size = "25" />
33     </label></p>
34
35     <!-- <textarea> creates a multiline textbox -->
36     <p><label>Comments:<br />
37         <textarea name = "comments" rows = "4" cols = "36">
38 Enter your comments here.
39         </textarea>
40     </label></p>
41
```



Outline

form2.html
(2 of 4)

```
42      <!-- <input type = "password"> inserts a -->
43      <!-- textbox whose display is masked with -->
44      <!-- asterisk characters -->
45      <p><label>E-mail Address:
46          <input name = "email" type = "password"
47              size = "25" />
48      </label></p>
49
50      <p>
51          <strong>Things you liked:</strong><br />
52
53          <label>Site design
54              <input name = "thingsliked" type = "checkbox"
55                  value = "Design" /></label>
56
57          <label>Links
58              <input name = "thingsliked" type = "checkbox"
59                  value = "Links" /></label>
60
61          <label>Ease of use
62              <input name = "thingsliked" type = "checkbox"
63                  value = "Ease" /></label>
64
65          <label>Images
66              <input name = "thingsliked" type = "checkbox"
67                  value = "Images" /></label>
```



Outline

form2.html
(3 of 4)

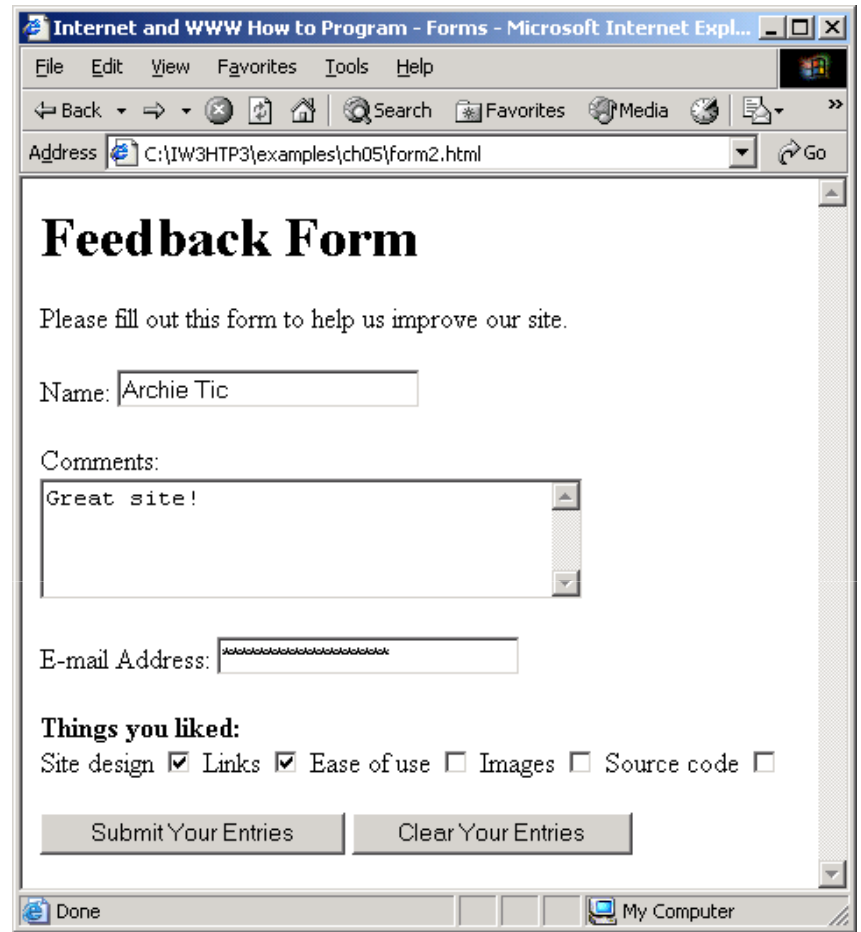
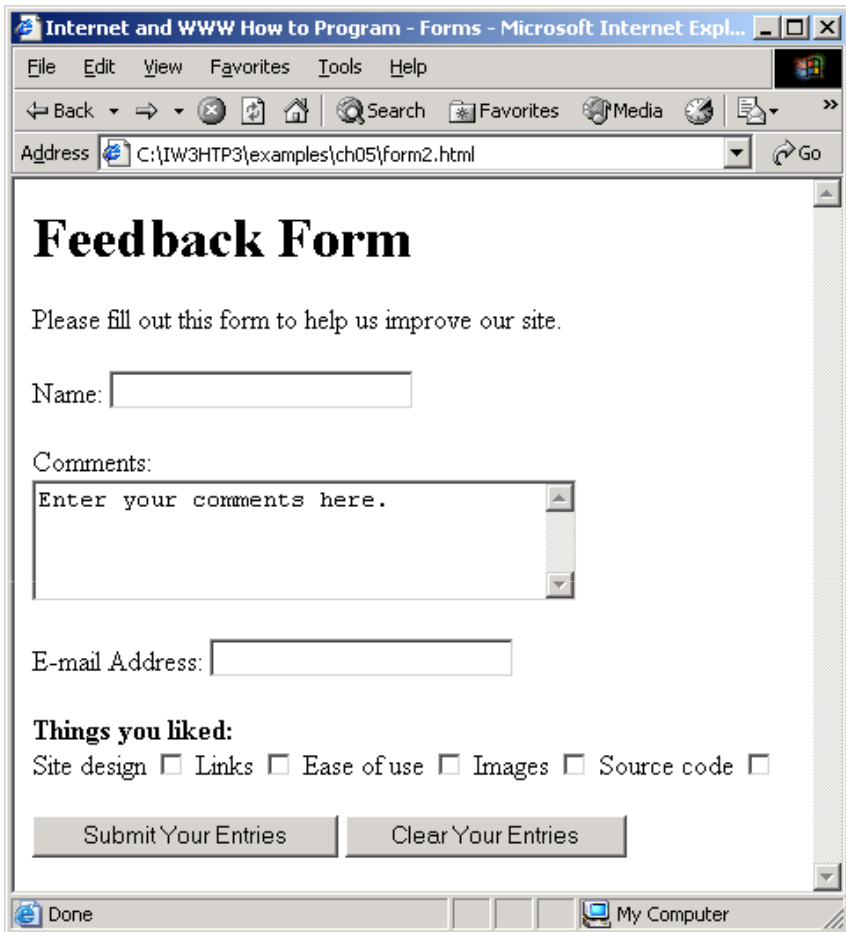
```
68
69     <label>Source code
70     <input name = "thingsliked" type = "checkbox"
71         value = "Code" /></label>
72 </p>
73
74 <p>
75     <input type = "submit" value =
76         "Submit Your Entries" />
77     <input type = "reset" value =
78         "Clear Your Entries" />
79 </p>
80
81 </form>
82
83 </body>
84 </html>
```



Outline



form2.html
(4 of 4)



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.5: form3.html -->
6 <!-- Form Design Example 3 -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Forms</title>
11   </head>
12
13   <body>
14
15     <h1>Feedback Form</h1>
16
17     <p>Please fill out this form to help
18       us improve our site.</p>
19
20     <form method = "post" action = "/cgi-bin/formmail">
21
22       <p>
23         <input type = "hidden" name = "recipient"
24           value = "deitel@deitel.com" />
25         <input type = "hidden" name = "subject"
```



Outline

form3.html
(1 of 6)


```
26         value = "Feedback Form" />
27     <input type = "hidden" name = "redirect"
28         value = "main.html" />
29 </p>
30
31 <p><label>Name:
32     <input name = "name" type = "text" size = "25" />
33 </label></p>
34
35 <p><label>Comments:<br />
36     <textarea name = "comments" rows = "4"
37         cols = "36"></textarea>
38 </label></p>
39
40 <p><label>E-mail Address:
41     <input name = "email" type = "password"
42         size = "25" /></label></p>
43
44 <p>
45     <strong>Things you liked:</strong><br />
46
47     <label>Site design
48         <input name = "thingsliked" type = "checkbox"
49             value = "Design" /></label>
50
```



Outline

form3.html
(2 of 6)

```
51     <label>Links
52         <input name = "thingsliked" type = "checkbox"
53             value = "Links" /></label>
54
55     <label>Ease of use
56         <input name = "thingsliked" type = "checkbox"
57             value = "Ease" /></label>
58
59     <label>Images
60         <input name = "thingsliked" type = "checkbox"
61             value = "Images" /></label>
62
63     <label>Source code
64         <input name = "thingsliked" type = "checkbox"
65             value = "Code" /></label>
66 </p>
67
68 <!-- <input type = "radio" /> creates a radio    -->
69 <!-- button. The difference between radio buttons -->
70 <!-- and checkboxes is that only one radio button -->
71 <!-- in a group can be selected.                -->
72 <p>
73     <strong>How did you get to our site?:</strong><br />
74
```



Outline

form3.html
(3 of 6)

```
75     <label>Search engine
76         <input name = "howtosite" type = "radio"
77             value = "search engine" checked = "checked" />
78     </label>
79
80     <label>Links from another site
81         <input name = "howtosite" type = "radio"
82             value = "link" /></label>
83
84     <label>Deitel.com web site
85         <input name = "howtosite" type = "radio"
86             value = "deitel.com" /></label>
87
88     <label>Reference in a book
89         <input name = "howtosite" type = "radio"
90             value = "book" /></label>
91
92     <label>Other
93         <input name = "howtosite" type = "radio"
94             value = "other" /></label>
95
96 </p>
97
```



Outline

form3.html
(4 of 6)

```
98      <p>
99          <label>Rate our site:
100
101              <!-- the <select> tag presents a drop-down -->
102              <!-- list with choices indicated by the      -->
103              <!-- <option> tags                            -->
104              <select name = "rating">
105                  <option selected = "selected">Amazing</option>
106                  <option>10</option>
107                  <option>9</option>
108                  <option>8</option>
109                  <option>7</option>
110                  <option>6</option>
111                  <option>5</option>
112                  <option>4</option>
113                  <option>3</option>
114                  <option>2</option>
115                  <option>1</option>
116                  <option>Awful</option>
117              </select>
118
119          </label>
120      </p>
121
```



Outline

form3.html
(5 of 6)

```

122         <p>
123             <input type = "submit" value =
124                 "Submit Your Entries" />
125             <input type = "reset" value = "Clear Your Entries" />
126         </p>
127
128     </form>
129
130 </body>
131 </html>

```



Outline



form3.html (6 of 6)

Feedback Form

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

Name:

Comments:

E-mail Address:

Things you liked:
Site design Links Ease of use Images Source code

How did you get to our site?:
Search engine Links from another site Deitel.com Web site Reference in a book Other

Rate our site:

Feedback Form

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

Name:

Comments:

E-mail Address:

Things you liked:
Site design Links Ease of use Images Source code

How did you get to our site?:
Search engine Links from another site Deitel.com Web site Reference in a book Other

Rate our site:

5.6 Internal Linking

- Enables the user to jump between locations in the same document



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.6: links.html -->
6 <!-- Internal Linking -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - List</title>
11   </head>
12
13   <body>
14
15     <!-- id attribute creates an internal hyperlink destination -->
16     <h1 id = "features">The Best Features of the Internet</h1>
17
18     <!-- an internal link's address is "#id" -->
19     <p><a href = "#bugs">Go to <em>Favorite Bugs</em></a></p>
20
21     <ul>
22       <li>You can meet people from countries
23         around the world.</li>
24
25       <li>You have access to new media as it becomes public:
```



Outline



links.html
(1 of 3)

```
26         <ul>
27             <li>New games</li>
28             <li>New applications
29                 <ul>
30                     <li>For Business</li>
31                     <li>For Pleasure</li>
32                 </ul>
33             </li>
34
35             <li>Around the clock news</li>
36             <li>Search Engines</li>
37             <li>Shopping</li>
38             <li>Programming
39                 <ul>
40                     <li>XHTML</li>
41                     <li>Java</li>
42                     <li>Dynamic HTML</li>
43                     <li>Scripts</li>
44                     <li>New languages</li>
45                 </ul>
46             </li>
47         </ul>
48     </li>
49
50     <li>Links</li>
```



Outline



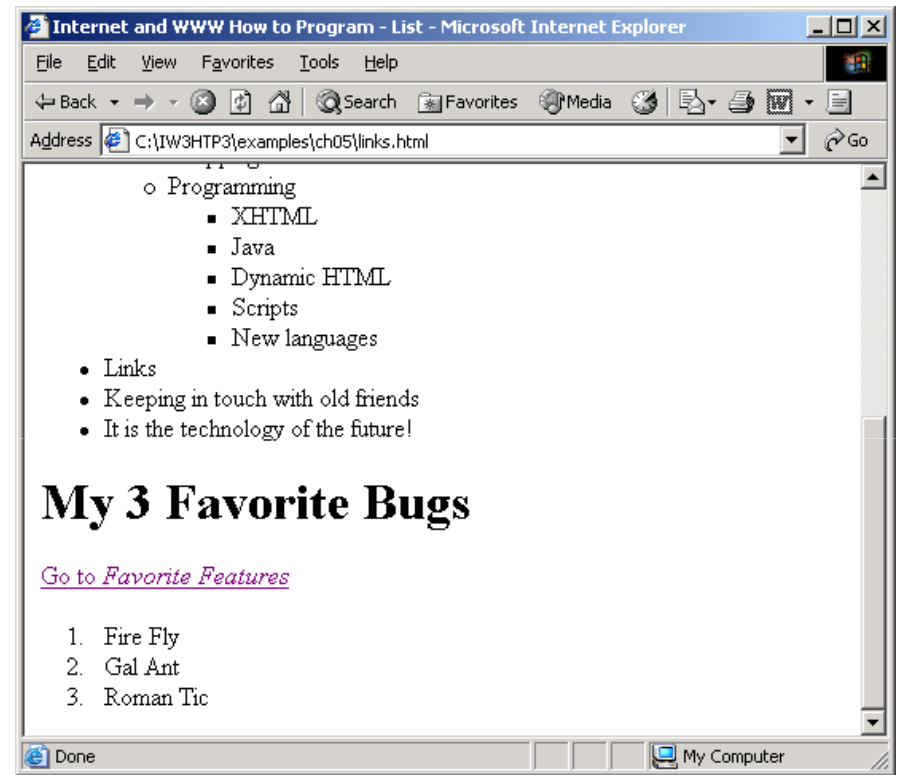
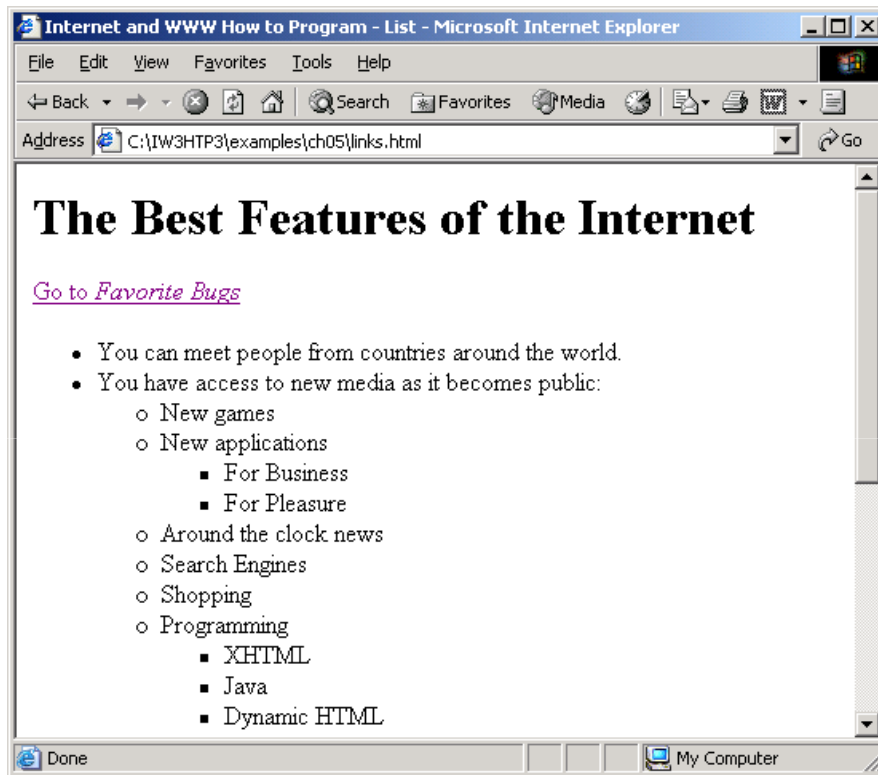
links.html
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```
51     <li>keeping in touch with old friends</li>
52     <li>It is the technology of the future!</li>
53 </ul>
54
55 <!-- id attribute creates an internal hyperlink destination -->
56 <h1 id = "bugs">My 3 Favorite Bugs</h1>
57
58 <p>
59
60     <!-- internal hyperlink to features -->
61     <a href = "#features">Go to <em>Favorite Features</em>
62     </a></p>
63
64 <ol>
65     <li>Fire Fly</li>
66     <li>Gal Ant</li>
67     <li>Roman Tic</li>
68 </ol>
69
70 </body>
71 </html>
```



Outline

links.html
(3 of 3)



5.7 Creating and Using Image Maps

- Designate certain areas of an image (called hotspots) as links
 - Element map
 - Attribute `id`
 - Identifies the image map
 - Element `area`
 - Defines hotspot
 - Attribute `shape` and `coords`
 - Specify the hotspot's shape and coordinates
 - Rectangular (`shape = "rect"`)
 - Polygon (`shape = "poly"`)
 - Circle (`shape = "circle"`)



```
1 <?xml version = "1.0" ?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
4
5 <!-- Fig. 5.7: picture.html      -->
6 <!-- Creating and Using Image Maps -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10    <title>
11      Internet and WWW How to Program - Image Map
12    </title>
13  </head>
14
15  <body>
16
17    <p>
18
19    <!-- the <map> tag defines an image map -->
20    <map id = "picture">
21
22      <!-- shape = "rect" indicates a rectangular      -->
23      <!-- area, with coordinates for the upper-left -->
24      <!-- and lower-right corners                    -->
```



Outline



picture.html (1 of 3)

```
25 <area href = "form.html" shape = "rect"
26     coords = "2,123,54,143"
27     alt = "Go to the feedback form" />
28 <area href = "contact.html" shape = "rect"
29     coords = "126,122,198,143"
30     alt = "Go to the contact page" />
31 <area href = "main.html" shape = "rect"
32     coords = "3,7,61,25" alt = "Go to the homepage" />
33 <area href = "links.html" shape = "rect"
34     coords = "168,5,197,25"
35     alt = "Go to the links page" />
36
37 <!-- value "poly" creates a hotspot in the shape -->
38 <!-- of a polygon, defined by coords          -->
39 <area shape = "poly" alt = "E-mail the Deitels"
40     coords = "162,25,154,39,158,54,169,51,183,39,161,26"
41     href = "mailto:deitel@deitel.com" />
42
43 <!-- shape = "circle" indicates a circular -->
44 <!-- area with the given center and radius -->
45 <area href = "mailto:deitel@deitel.com"
46     shape = "circle" coords = "100,36,33"
47     alt = "E-mail the Deitels" />
48 </map>
49
```



Outline

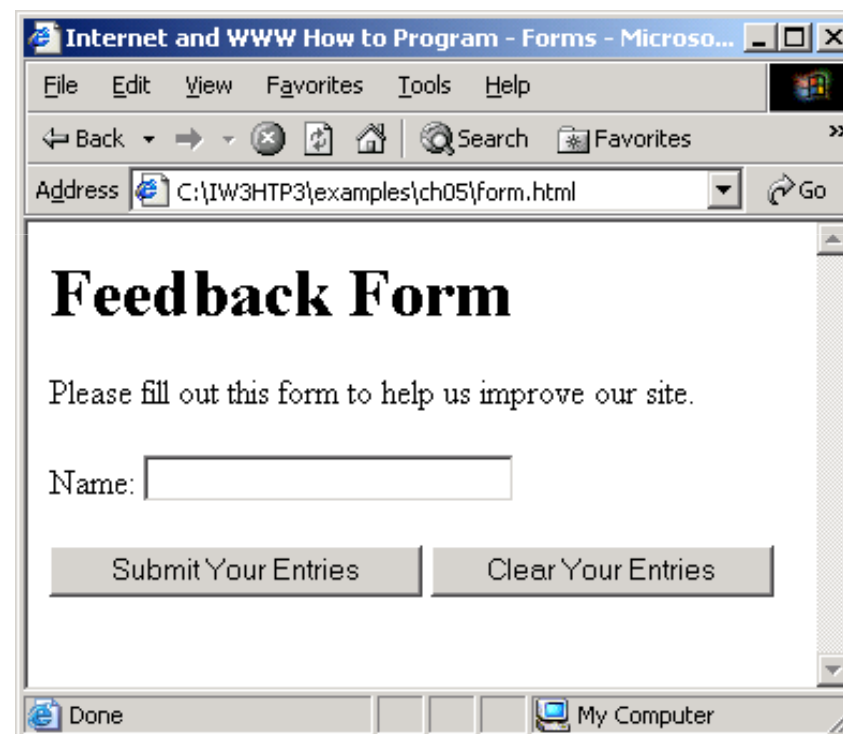
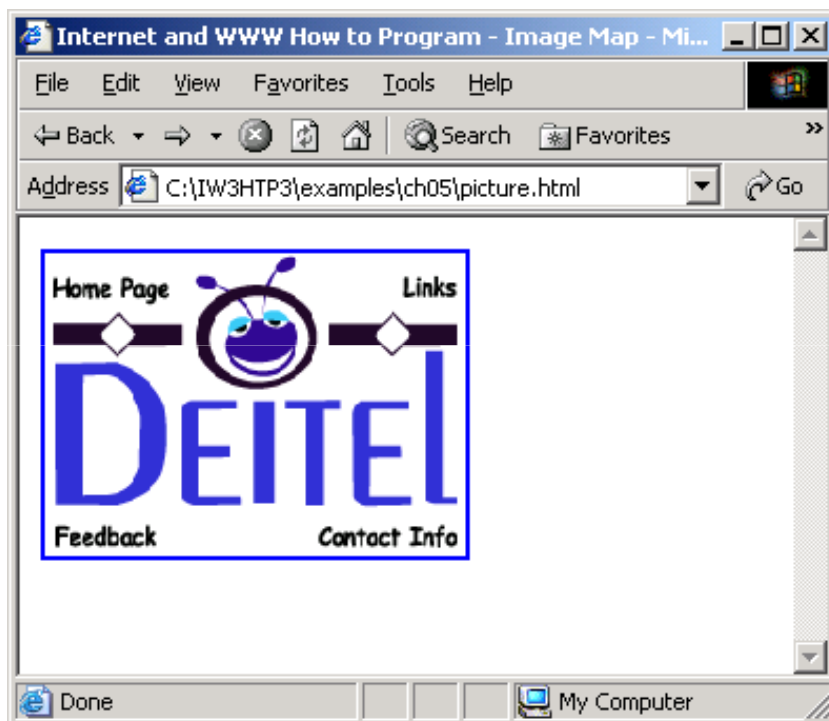
picture.html
(2 of 3)

```
50 <!-- <img src =... usemap = "#id"> indicates that the -->
51 <!-- specified image map is used with this image -->
52 <img src = "deitel.gif" width = "200" height = "144"
53 alt = "Deitel logo" usemap = "#picture" />
54 </p>
55 </body>
56 </html>
```



Outline

picture.html
(3 of 3)



5.8 meta Elements

- Specify information about a document
 - Attribute name
 - Identifies the type of meta element
 - “keywords” (name = “keywords”)
 - Provides search engines with a list of words that describe a page
 - “description” (name = “description”)
 - Provides a description of a site
 - Attribute content
 - Provides the information search engine use to catalog pages



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
3   "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
4
5 <!-- Fig. 5.8: main.html -->
6 <!-- <meta> tag      -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Welcome</title>
11
12     <!-- <meta> tags provide search engines with -->
13     <!-- information used to catalog a site      -->
14     <meta name = "keywords" content = "Web page, design,
15       XHTML, tutorial, personal, help, index, form,
16       contact, feedback, list, links, frame, deitel" />
17
18     <meta name = "description" content = "This web site will
19       help you learn the basics of XHTML and web page design
20       through the use of interactive examples and
21       instruction." />
22
23   </head>
24
```



Outline

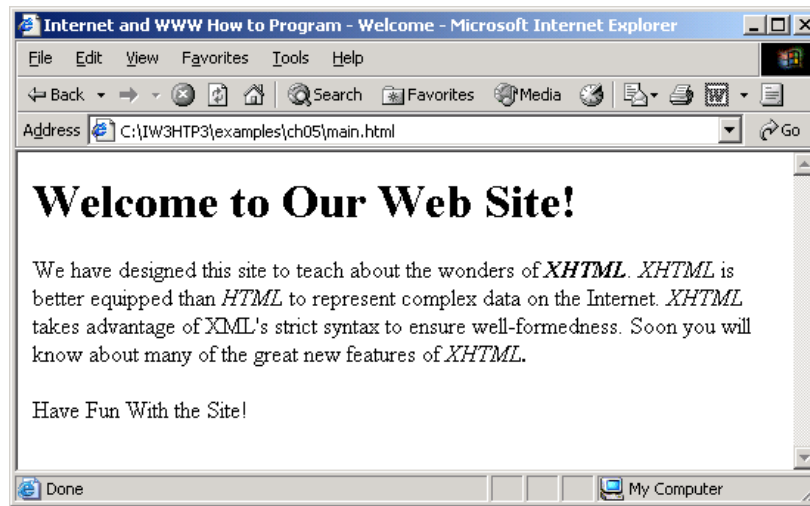
main.html
(1 of 2)


```
25 <body>
26
27 <h1>welcome to our Web Site!</h1>
28
29 <p>We have designed this site to teach about the wonders
30 of <strong><em>XHTML</em></strong>. <em>XHTML</em> is
31 better equipped than <em>HTML</em> to represent complex
32 data on the Internet. <em>XHTML</em> takes advantage of
33 XML's strict syntax to ensure well-formedness. Soon you
34 will know about many of the great new features of
35 <em>XHTML.</em></p>
36
37 <p>Have Fun With the Site!</p>
38
39 </body>
40 </html>
```



Outline

main.html
(2 of 2)



5.9 frameset Element

- Allow browser display more than one document simultaneously
 - Element `frameset`
 - Attribute `cols`
 - Specifies the frameset's column layout
 - Attribute `rows`
 - Specifies the number of rows and the size of each row
 - Element `frame`
 - Specifies the documents that will be loaded
 - Attribute `src`
 - Specifies URL of the page to display



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4
5 <!-- Fig. 5.9: index.html -->
6 <!-- XHTML Frames I -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Main</title>
11     <meta name = "keywords" content = "webpage, design,
12       XHTML, tutorial, personal, help, index, form,
13       contact, feedback, list, links, frame, deitel" />
14
15     <meta name = "description" content = "This web site will
16       help you learn the basics of XHTML and web page design
17       through the use of interactive examples
18       and instruction." />
19
20   </head>
21
22   <!-- the <frameset> tag sets the frame dimensions -->
23   <frameset cols = "110,*">
24
```



Outline



index.html (1 of 2)

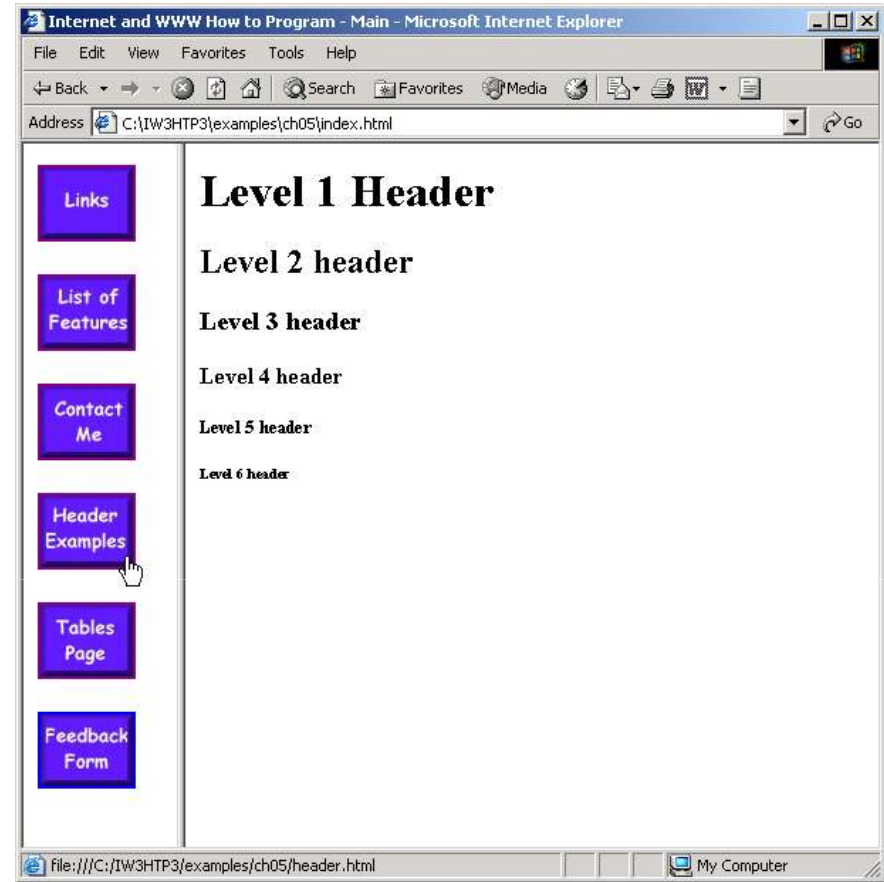
```
25 <!-- frame elements specify which pages -->
26 <!-- are loaded into a given frame -->
27 <frame name = "leftframe" src = "nav.html" />
28 <frame name = "main" src = "main.html" />
29
30 <noframes>
31 <body>
32 <p>This page uses frames, but your browser does not
33 support them.</p>
34
35 <p>Please, <a href = "nav.html">follow this link to
36 browse our site without frames</a>.</p>
37 </body>
38 </noframes>
39
40 </frameset>
41 </html>
```



Outline



index.html (2 of 2)



```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
4
5 <!-- Fig. 5.10: nav.html      -->
6 <!-- Using images as link anchors -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9
10  <head>
11    <title>Internet and WWW How to Program - Navigation Bar
12    </title>
13  </head>
14
15  <body>
16
17    <p>
18      <a href = "links.html" target = "main">
19        <img src = "buttons/links.jpg" width = "65"
20          height = "50" alt = "Links Page" />
21      </a><br />
22
23      <a href = "list.html" target = "main">
24        <img src = "buttons/list.jpg" width = "65"
25          height = "50" alt = "List Example Page" />
```



Outline



nav.html (1 of 2)

```
26     </a><br />
27
28     <a href = "contact.html" target = "main">
29         <img src = "buttons/contact.jpg" width = "65"
30             height = "50" alt = "Contact Page" />
31     </a><br />
32
33     <a href = "header.html" target = "main">
34         <img src = "buttons/header.jpg" width = "65"
35             height = "50" alt = "Header Page" />
36     </a><br />
37
38     <a href = "table1.html" target = "main">
39         <img src = "buttons/table.jpg" width = "65"
40             height = "50" alt = "Table Page" />
41     </a><br />
42
43     <a href = "form.html" target = "main">
44         <img src = "buttons/form.jpg" width = "65"
45             height = "50" alt = "Feedback Form" />
46     </a><br />
47 </p>
48
49 </body>
50 </html>
```



Outline



nav.html
(2 of 2)

5.10 Nested framesets

- framesets within framesets




```
1 <?xml version = "1.0"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Frameset//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd">
4
5 <!-- Fig. 5.11: index2.html -->
6 <!-- XHTML Frames II -->
7
8 <html xmlns = "http://www.w3.org/1999/xhtml">
9   <head>
10     <title>Internet and WWW How to Program - Main</title>
11
12     <meta name = "keywords" content = "webpage, design,
13       XHTML, tutorial, personal, help, index, form,
14       contact, feedback, list, links, frame, deitel" />
15
16     <meta name = "description" content = "This web site will
17       help you learn the basics of XHTML and web page design
18       through the use of interactive examples
19       and instruction." />
20
21   </head>
22
23   <frameset cols = "110,*">
24     <frame name = "leftframe" src = "nav.html" />
25
```



Outline



index2.html (1 of 2)

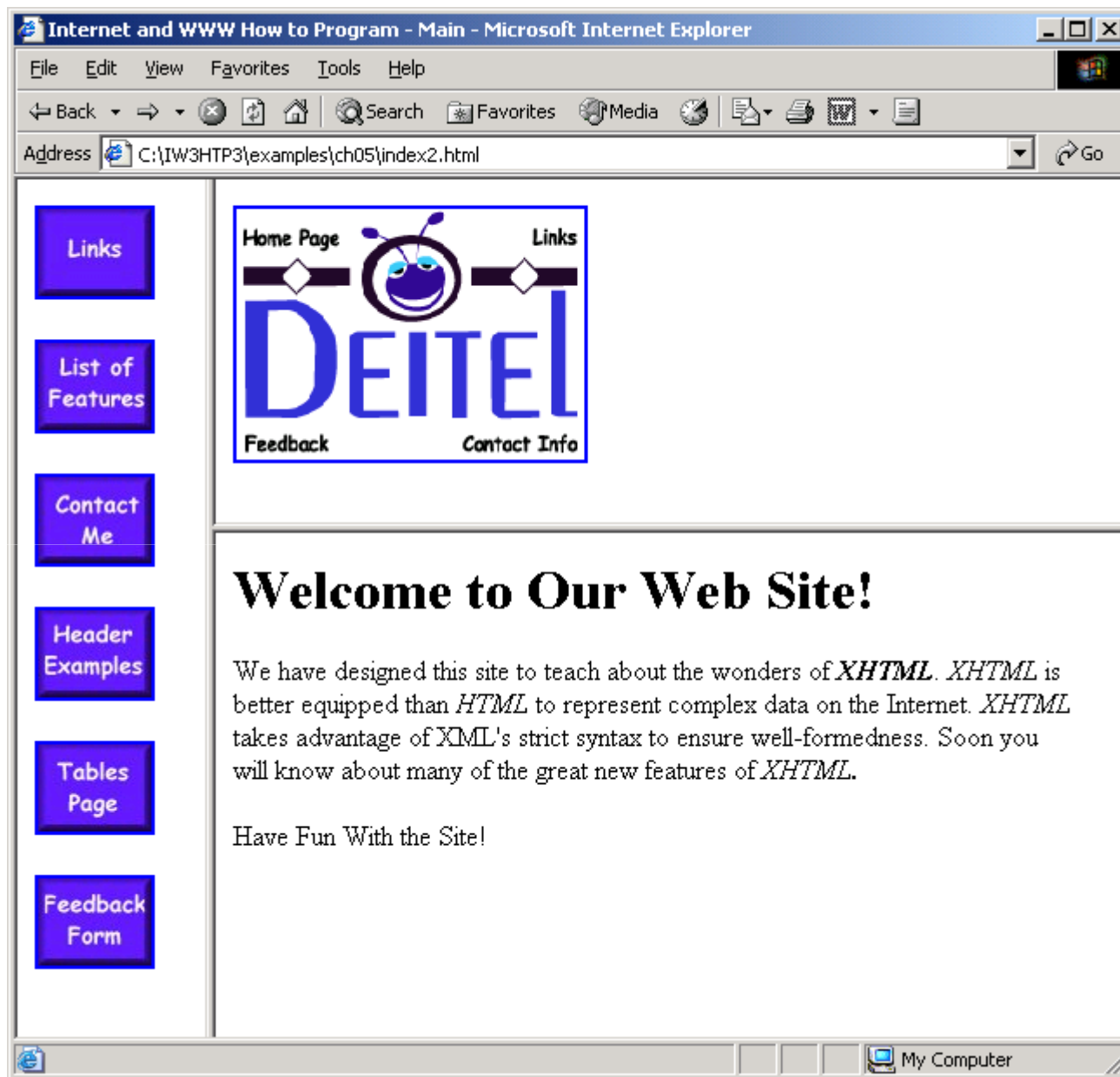
```
26 <!-- nested framesets are used to change the -->
27 <!-- formatting and layout of the frameset -->
28 <frameset rows = "175,*">
29     <frame name = "picture" src = "picture.html" />
30     <frame name = "main" src = "main.html" />
31 </frameset>
32
33 <noframes>
34     <body>
35         <p>This page uses frames, but your browser does not
36         support them.</p>
37
38         <p>Please, <a href = "nav.html">follow this link to
39         browse our site without frames</a>.</p>
40     </body>
41 </noframes>
42
43 </frameset>
44 </html>
```



Outline



index2.html
(2 of 2)



5.11 Web Resources

- www.vbxml.com/xhtml/articles/xhtml_tables
- www.webreference.com/xml/reference/xhtml.html

