

91.113 Exploring the Internet, Fall 2011

Lecture 13. A Very Brief Introduction to HTML and XHTML, part II



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• Unordered Lists

Unordered List

```
<UL>  
  <LI>Washington</LI>  
  <LI>New York</LI>  
  <LI>Michigan</LI>  
  <LI>California</LI>  
  <LI>Pennsylvania</LI>  
  <LI>Virginia</LI>  
</UL>
```

Browser View

- ◆ Washington
- ◆ New York
- ◆ Michigan
- ◆ California
- ◆ Pennsylvania
- ◆ Virginia

- Ordered Lists - the list items are links

Ordered List

```
<OL>
  <LI><A HREF="cherries.html">My other favorite fruit</A>
</LI>
  <LI>
    <A HREF="http://www.geocities.com/perfectapple/prod.html">
      More about Apple</A>
  </LI>
</OL>
```

Browser View

1. [My other favorite fruit](#)
2. [More about Apples](#)

```
1 <?xml version = "1.0" encoding = "utf-8"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4
5 <!-- Fig. 4.9: l1st.html -->
6 <!-- Nested and ordered l1sts. -->
7 <html xmlns = "http://www.w3.org/1999/xhtml">
8   <head>
9     <title>l1sts</title>
10  </head>
11
12  <body>
13    <h1>The Best Features of the Internet</h1>
14
15    <!-- create an unordered l1st -->
16    <ul>
17      <li>You can meet new people from countries around
18        the world.</li>
19      <li>
20        You have access to new media as it becomes public:
21
22        <!-- this starts a nested l1st, which uses a -->
23        <!-- modified bullet. The l1st ends when you -->
24        <!-- close the <ul> tag. -->
25        <ul>
26          <li>New games</li>
27          <li>New applications
28
```

Nested and ordered lists (Part 1 of 3).

A single list element

```

29 <!-- nested ordered list -->
30 <ol>
31 <li>For business</li>
32 <li>For pleasure</li>
33 </ol>
34 </li> <!-- ends line 27 new applications li -->
35
36 <li>Around the clock news</li>
37 <li>Search engines</li>
38 <li>Shopping</li>
39 <li>Programming
40
41 <!-- another nested ordered list -->
42 <ol>
43 <li>XML</li>
44 <li>Java</li>
45 <li>XHTML</li>
46 <li>Scripts</li>
47 <li>New languages</li>
48 </ol>
49 </li> <!-- ends programming li of line 39 -->
50 </ul> <!-- ends the nested list of line 25 -->
51 </li>
52
53 <li>Links</li>
54 <li>Keeping in touch with old friends</li>
55 <li>It is the technology of the future</li>
56 </ul> <!-- ends the unordered list of line 16 -->
57 </body>
58 </html>

```

Creates an ordered list within a list element

Ends nested list

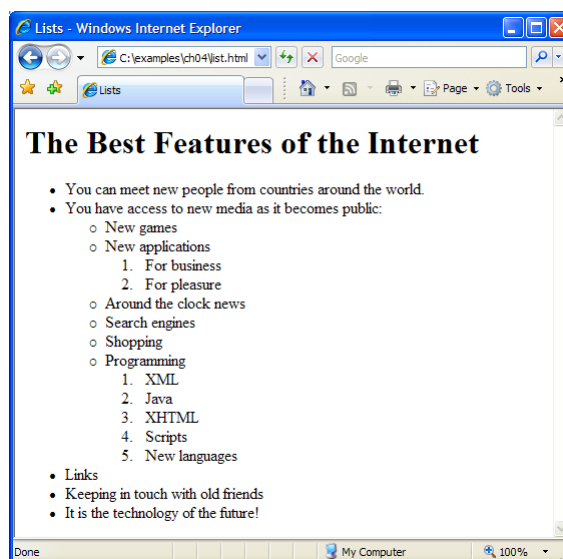
Ends the list element

Another single unordered list element

Creates an ordered list within this list element

Nested and ordered lists (Part 2 of 3).

Nested and ordered lists (Part 3 of 3).



Link

- Linking
 - A hyperlink references or links to other resources, such as HTML/XHTML documents and images
 - Web browsers typically underline text hyperlinks and color them blue by default

- Linking
 - Users can insert links with the `a` (anchor) element.
 - The `href` attribute specifies the resource (e.g., page, file, e-mail address) being linked
 - Anchors can link to an e-mail address using a `mailto: URL`
 - When a user clicks this type of anchored link, most browsers launch the default e-mail program (e.g., Outlook Express) to initiate an e-mail message addressed to the linked address

Anchor Element Type	HTML Code
Named Anchor	
Mail Link	Mail me!
Internal Link	Go to Top of Page
Relative Link	My other favorite fruit
Absolute Link	More about Apples

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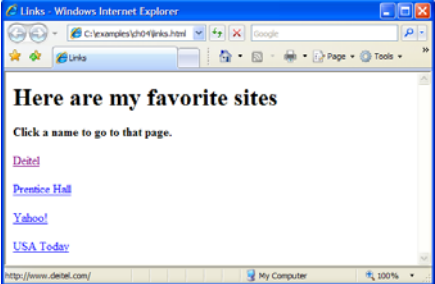
```

1 <?xml version = "1.0" encoding = "utf-8"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4
5 <!-- Fig. 4.3: Links.html -->
6 <!-- Linking to other web pages. -->
7 <html xmlns = "http://www.w3.org/1999/xhtml">
8   <head>
9     <title>Links</title>
10    </head>
11
12    <body>
13      <h1>Here are my favorite sites</h1>
14      <p><strong>Click a name to go to that page.</strong></p>
15
16      <!-- Create four text hyperlinks -->
17      <p><a href = "http://www.deitel.com">Deitel</a></p>
18      <p><a href = "http://www.prenticehall.com">Prentice Hall</a></p>
19      <p><a href = "http://www.yahoo.com">Yahoo!</a></p>
20      <p><a href = "http://www.usatoday.com">USA Today</a></p>
21    </body>
22  </html>

```

Creates anchor elements that link to the URL specified in the href attribute

Linking to other web pages.



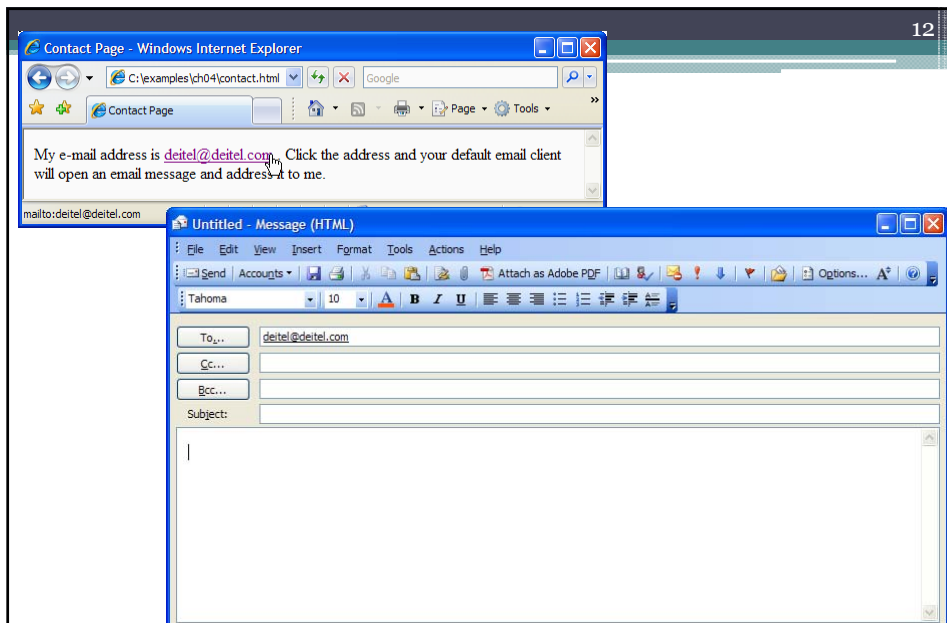
```

1 <?xml version = "1.0" encoding = "utf-8"?>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4
5 <!-- Fig. 4.4: contact.html -->
6 <!-- Linking to an e-mail address. -->
7 <html xmlns = "http://www.w3.org/1999/xhtml">
8   <head>
9     <title>Contact Page</title>
10  </head>
11
12  <body>
13    <p>
14      My email address is
15      <a href = "mailto:deitel@deitel.com">
16        deitel@deitel.com
17      </a>
18      . Click the address and your default email client
19      will open an e-mail message and address it to me.
20    </p>
21  </body>
22 </html>

```

Hyperlink that creates a message to the address deitel@deitel.com with the computer's default e-mail program

Linking to an e-mail address (Part 1 of 2).



Linking to an e-mail address (Part 2 of 2).

Further Reading

- Wikipedia's explanation of HTML:
 - <http://en.wikipedia.org/wiki/HTML>
- W3schools.com XHTML Tutorial
 - <http://www.w3schools.com/xhtml/>
- W3schools.com CSS Tutorial
 - <http://www.w3schools.com/css/default.asp>
- W3schools.com JavaScript Tutorial
 - <http://www.w3schools.com/js/default.asp>
- HTML Color Codes:
 - <http://www.computerhope.com/htmlcolor.htm>
 - <http://html-color-codes.info/>
- HTML Tag Quick Reference Guide
 - <http://www.devx.com/projectcool/Article/19816>