

WEB1100: Lecture 6

Web Development & HCI

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Agenda for today

- Lists
- Links
- Text formatting
- A full-length practicing example

Organizing information with Lists

Four types of Lists:

- Ordered Lists: numbered
- Unordered Lists: bulleted
- Definition Lists: glossary generation
- Nested Lists: lists within a list

Ordered Lists (ol)

Concerns:

- tags: `....`
- resulted with subsequent numbers & indentions
- suitable for sequencing

```
1 <h1>How to boil eggs</h1>
2 <ol>
3     <li>Put eggs in a pot filled with water</li>
4     <li>Bring the water to a boil</li>
5     <li>Put the pot on the stove, cover it, and let it sit for
6         12 minutes</li>
7     <li>Remove the eggs from the hot water and vcool them by running
8         water over them or placing them in a bowl of ice water to
9         cool off</li>
10    <li>Peel and enjoy eating</li>
11 </ol>
```

Unordered Lists (ul)

Concerns:

- tags: `...`
- resulted with the same bullet marker
- suitable for most of listing purposes

```
1 <p>Things I like to do in the morning:</p>
2 <ul>
3     <li>Drink a cup of coffee</li>
4     <li>Watch the sunrise</li>
5     <li>Listen to the birds sing</li>
6     <li>Hear the wind resulting through the trees</li>
7     <li>Curse the construction noises for spoiling the
8         peaceful mood</li>
9 </ul>
```

Definition Lists (dl)

Concerns:

- each item has two parts: a term (dt) & it's definition (dd)
- tags: `<dl><dt></dt><dd></dd>.....</dl>`
- resulted with the glossary type entries
- suitable for presenting single terms and their definitions

```
1 <dl>
2     <dt>Basil</dt>
3     <dd>annual. Can grow four feet high; the scent of
4         its tiny white flowers is heavenly.</dd>
5     <dt>Oregano</dt>
6     <dd>Perennial. Sends out underground runners and is
7         difficult to get rid of once established.</dd>
8     <dt>Coriander</dt>
9     <dd>Annual. Also called cilantro, coriander likes cooler
10        weather of spring and fall</dd>
11 </dl>
```

Nested Lists

Concerns:

- putting a list inside another list
- tags:
`....`
- applies to both ordered & unordered list

```
1 <h1>Peppers</h1>
2 <ul>
3     <li>Bell</li>
4     <li>Chile</li>
5     <li>
6         <ul>
7             <li>Serrano</li>
8             <li>Jalapeno</li>
9             <li>Habanero</li>
10            <li>Anaheim</li>
11        </ul>
12    </li>
13    <li>Szechuan</li>
14    <li>Cayenne</li>
15 </ul>
```

Working with Links

- Two main requirements:
 - the file name or the URL
 - clickable text
- only included text within the link is visible
- when clicked, the associated URL is loaded
- Two types of URLs:
 - Absolute URL: refer to a file in another website
 - Relative URL: refer to a file within the same website

Absolute pathnames:

<http://www.murach.com/index.html>

Relative pathnames:

login.html

Links

Concerns:

- tags: `<a> linking text `
- most common attribute is the *href*
- *href* holds the specific file name or URL
- can include other attributes upon necessity
- can also link to specific places within the document

A link to a web page in the same folder

```
<p>Go view our <a href="products.html">product list</a>.</p>
```

A link to a web page at another website

```
<p>To learn more about JavaScript, visit the  
<a href="http://www.javascript.com/">official JavaScript website</a>.</p>
```

Text fomattting

- Some necessary HTML tags:
 - ``: emphasizes text in italics
 - ``: highly emphasizes text in boldface
 - ``, `<i>`, `<u>`: bold, italics, underlined
 - `
`: line breaks
 - `<address>...</address>`: supply authoring information
 - `<blockquote>...</blockquote>`: presents quotation
 - `<cite>....</cite>`: citing the quoted work

Image inclusion

Concerns:

- tags: ``
- src: specifies image's URL
- alt: specifies image's alternate texts
- height: specifies image's height in pixel
- width: specifies image's width in pixel
- preferred format: JPEG, GIF and PNG

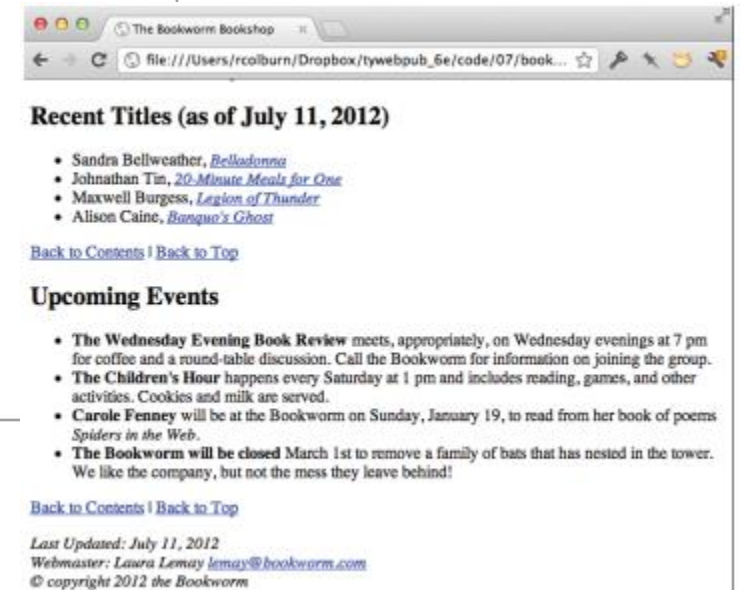
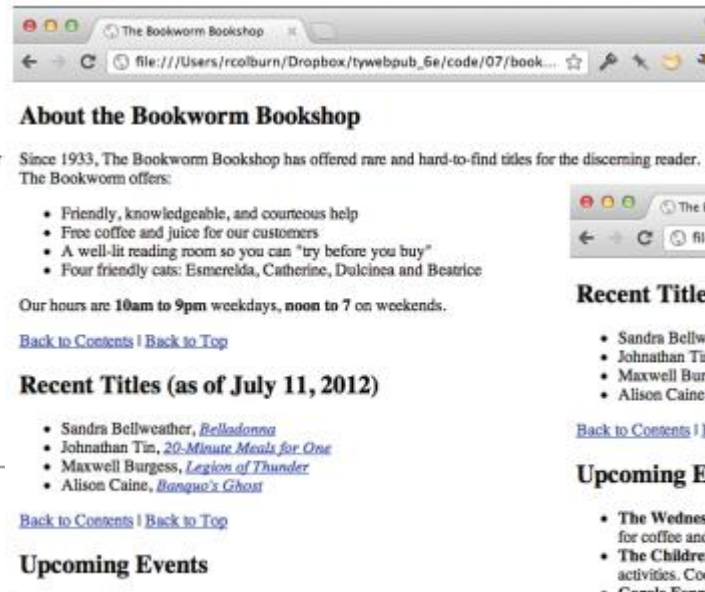
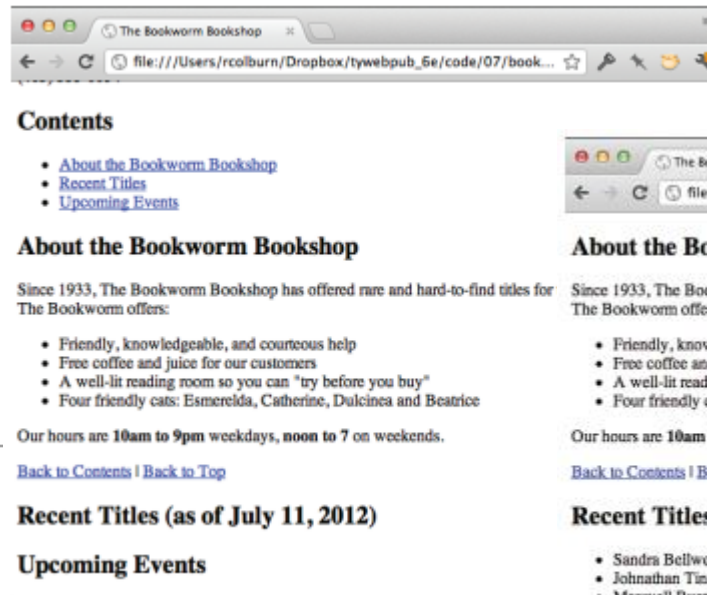
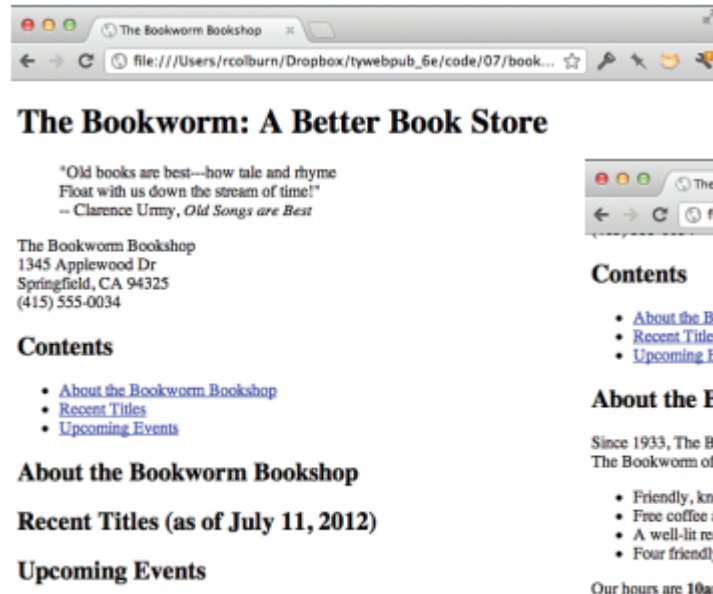
Metadata

Concerns:

- tags: <meta>
- data about data
- included in the head section
- meta elements: charset, description, keywords

```
<head>  
  <title>San Joaquin Valley Town Hall | speakers and luncheons</title>  
  <meta charset="utf-8">  
  <meta name="description" content="A yearly lecture series with speakers  
    that present new information on a wide range of subjects">  
  <meta name="keywords" content="san joaquin, town hall, speakers,  
    lectures, luncheons">  
</head>
```

A full-length example





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Thank You!

Think **Green**, Grow **Green**, Live **Green**