

HTML5 and CSS3, Chapter 4

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Source code from book

- ▶ `http://www.aharrisbooks.net/haio/`

Unordered list

- ▶ Default behavior:
 - ▶ Items are indented
 - ▶ Each item has a bullet
 - ▶ Each item starts a new line
- ▶ This is only one way of viewing an unordered list.
- ▶ Appearance can be changed with CSS.
- ▶ Lists describe relations between data, not appearance.

Ordered list

- ▶ Only difference is the outer tag.
- ▶ Don't have to renumber items.

Nested lists

- ▶ Expressing more complex, hierarchical data.
- ▶ Indentation can really help keep track of relationships.

Indenting source code

- ▶ Indent each nested element.
- ▶ Line up your elements.
- ▶ Use spaces, not tabs.
 - ▶ Configure your editor to use spaces for tabs.
- ▶ Use two spaces.
- ▶ Closing tags should line up with opening tags.

Building nested lists

- ▶ Create outer list first.
- ▶ Add list items to outer list.
- ▶ Validate before adding next list level.
- ▶ Add first inner list.
- ▶ Repeat until finished.
- ▶ Validate frequently.

Definition list

- ▶ Uses names instead of bullets or numbers.
- ▶ Uses *definition terms* <dt> and *definition descriptions* <dd>.

Tables

```
<table border="1">
<tr>
<th> </th>
<th> </th>
<th> </th>
</tr>
<tr>
<td> </td>
<td> </td>
<td> </td>
</tr>
</tr>
<tr>
<td> </td>
<td> </td>
<td> </td>
</tr>
</table>
```

Building a table

- ▶ Plan ahead.
- ▶ Create the headings.
- ▶ Build a sample empty row.
- ▶ Copy and paste the empty row to make as many as you need.
- ▶ Save, view, and validate.
- ▶ Populate the table with the data.
- ▶ Test and validate again.

Spanning columns

```
<tr>
  <th>Breakfast</th>
  <td>In lair</td>
  <td>with cronies</td>
  <td>In lair</td>
  <td>in lair</td>
  <td>in lair</td>
</tr>
<tr>
  <th>Morning</th>
  <td colspan = "2">Design traps</td>
  <td colspan = "3">Improve Hideout</td>
</tr>
```

Spanning rows

```
<tr>
  <th>Afternoon</th>
  <td>train minions</td>
  <td>train minions</td>
  <td>train minions</td>
  <td>train minions</td>
  <td rowspan = "2">world domination</td>
</tr>
<tr>
  <th>Evening</th>
  <td>manaical laughter</td>
  <td>manaical laughter</td>
  <td>manaical laughter</td>
  <td>manaical laughter</td>
</tr>
```

Don't use tables for layout

- ▶ Old HTML didn't have layout facilities, so tables were used.
- ▶ Tables aren't meant for layout.
- ▶ The table code becomes complicated fast.
- ▶ Formatting is done cell by cell.
- ▶ Presentation is tied to data.
- ▶ Table-based layouts are hard to change.
- ▶ Table-based layouts cause problems for screen readers.
- ▶ Table-based layouts do not adapt well to phones and tablets.