

CSC435: Web Programming

Lecture 4: HTML basics (3)

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Jan 27, 2014

Overview

- Table: Simple table elements.
- Table: spanning cells
- Table: cell padding
- Link within a page
- Link to pages in the same directory

Table

Menu Item	Calaries	Fat (g)
Chicken Noodle Soup	120	2
Caser Salad	400	26

Tables

Table

Header Cell

Row

Row

Row

The diagram shows a table with three rows and three columns. The first row is the header row, containing 'Menu Item', 'Calaries', and 'Fat (g)'. The second row contains 'Chicken Noodle Soup', '120', and '2'. The third row contains 'Caser Salad', '400', and '26'. A red border surrounds the entire table. Arrows point from labels to specific parts: 'Table' points to the top-left corner, 'Header Cell' points to the top row, and 'Data cell' points to the 'Caser Salad' cell. The word 'Row' is written to the left of each row.

Menu Item	Calaries	Fat (g)
Chicken Noodle Soup	120	2
Caser Salad	400	26

Data cell

Table <table>

<table>

Menu	calories	Fat(g)
Chicken	120	2
Caser Salad	400	26

</table>

Table Markup

`<table>`

Table contents

`<tr></tr>`

Table row

`<th>.....</th>`

Table header

`<td>.....</td>`

Table cell data

`</table>`

Table demo

```
1 <html>
2   <head>
3   </head>
4   <body>
5     <table border="1">
6     <tr>
7       <th>Menu Item</th>
8       <th>Calaries</th>
9       <th>Fat (g)</th>
10    </tr>
11    <tr>
12      <td>Chicken Noodle Soup</td>
13      <td>120</td>
14      <td>2</td>
15    </tr>
16    <tr>
17      <td>Caser Salad</td>
18      <td>400</td>
19      <td>26</td>
20    </tr>
21
22    </table>
23  </body>
24 </html>
```

Advanced elements

- `<caption>` can specify the title of a table.
- Table header, body, foot to describe groups of rows.
- `<thead>` describes table headers.
- `<tbody>` describes table body.
- `<tfoot>` describes table footer.

Simple Table: exercise

Using all the elements we learned, including <thead>, <tbody> and caption, create the following simple table:

My favourite books

Book	Author
To kill a mockingbird	Harper Lee
The fountainhead	Ayn Ryde
The stranger	Albert Camue

Column Spanning:

Two columns

Fat (g)	
Saturated fat (g)	Unsaturated fat (g)

```
<th colspan="2"> Fat </th>
```

Column Spanning:

```
<table>
  <tr>
    <th colspan="2"> Fat </th>
  </tr>
  <tr>
    <td> Saturated Fat (g) </td>
    <td> Unsaturated Fat (g) </
  <td>
  </table>
```

Column span: Exercise

Dalily Specials

Monday	Tuesday	Thursday	Friday
Burgers		Cobb Salad	Fish and chips
Apple pie			Cheese Cake

Row span

Serving Size	small (8 oz.)
	Medium (17 oz.)
	Large (24 oz.)

Row span

3 rows

Serving Size	small (8 oz.)
	Medium (17 oz.)
	Large (24 oz.)

```
<th rowspan="3">Serving Size</th>
```

Tables: exercise

Using row span, create the following table using html.

Month	Savings	Savings for holiday!
January	\$100	\$50
February	\$80	

Table: space between cells

Cell 1	Cell 2	Cell 3
Cell 4	Cell 5	Cell 6
Cell 7	Cell 8	Cell 9

`cellpadding="10"`

Table: space between cells

- By default, cell is sized by the size of the content.
- Using cell padding to add space between cells.

```
<table border="1" cellpadding="10">
```

```
<th style="padding:10px;"><em>Drinks</th>
```

Table: Stylizing

Capital Cafe

<i>Drinks</i>	<i>Price</i>
Caffe Latte	\$2.75
Chai Latte	\$2.85
Green Tea	\$1.75

```
<tr>
  <td style="padding:10px;">Caffe Latte</td>
  <td style="padding:10px;border-left:1px solid black;">$2.75</td>
</tr>
```

Exercise: Table inside a table

Hint: table inside

A table cell?

<td> Cell title

<table>

<tr>

<td> </td>

<td></td>

</tr>

</table>

</td>

My to-do lists

Clean my house Sort out my bills	School work: <table border="1"><tr><td>Computer</td><td>Math</td></tr><tr><td>Physics</td><td>Biology</td></tr></table>	Computer	Math	Physics	Biology
Computer	Math				
Physics	Biology				
Shopping list <ul style="list-style-type: none">• meat• vegetables• rice	Yoga Class				

Exercise: Table & Div

Capital Cafe

Drink List		Snack List	
<i>Drinks</i>	<i>Price</i>	<i>Food</i>	<i>Price</i>
Caffe Latte	\$2.75	Turkey Panini	\$6.75
Chai Latte	\$2.85	Greek Salad	\$4.85
Green Tea	\$1.75	Roasted Eggland Wrap	\$5.75

Navigation bar



```
<ul id="nav">  
  <li><a href="#home"><font size="+2"><b>[Home]</b></a></li>  
  <li><a href="#new"><font size="+2"><b>[News]</b></a></li>  
  <li><a href="#contact"><font size="+2"><b>[Contact]</b></a></li>  
  <li><a href="#about"><font size="+2"><b>[About]</b></a></li>  
</ul>
```

Linking within a page

Link to another location in the same page

Create the link URL

```
<ul id="nav">  
  <li><a href="#home"><font size="+2"><b>[Home]</b></a></li>  
  <li><a href="#new"><font size="+2"><b>[News]</b></a></li>  
  <li><a href="#contact"><font size="+2"><b>[Contact]</b></a></li>  
  <li><a href="#about"><font size="+2"><b>[About]</b></a></li>  
</ul>
```

Link to another location using the id that has the same name

```
<h2><a id="new">News</a></h2>
```

Linking within a directory

About.html ← Index.html

Linking within a directory

`< a href="about.html"> About the site ...<a>`

From index.html

` About this site..<a>`

Linking: exercise

1. Make a file called Home.html that has the following paragraph at the bottom:
2. `<p> Go to drink list <p>`
3. And make it link back to another .html called Drinks.html
4. Drinks.html contains a list of drinks using `` and ``
5. Drinks.html also contains a link to Home.html at the bottom:
6. `<p> go back Home </p>`

Homework & Readings

Homework 2 will be out Tuesday, 28th.

It is time to **drill in** how to make tables, forms, images, and links.

Read chapter 7, 8, and 9 of Robbins, “Learning web design”.