CS 110 Website Production Tables

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Session overview

- Organizing information in tables
- Creating tables
- Attributes for the tag
- Data cells alignment
- Examples
- Advanced table formatting

Organizing Information in Tables

- Tables are collections of rows and columns that can be used to organize and display data.
- A **cell** is the intersection of a row and a column.
 - Some cells contains labels, but most contains data

- A table is specified as the content of a
 tag
- A border attribute in the tag specifies a border between the cells
 - If border is set to "border", the browser's default border width is used

• The **border** attribute can be set to a number, which will be the border width in pixels

 Without the **border** attribute, the table will have no line.

- Tables are given titles with the
 <caption> tag, which can immediately follow
 - Captions help text-based browsers interpret the data

- Table contents is specified row by row, left to right, top to bottom, within the tag
 - Each row is specified as the content of a tag.
 - Each row heading is specified as the content of a tag. Text in the tag appears in bold in the browser and is horizontally centered in the cell.
 - The content of a data cell is specified as the content of atd> tag.

Attributes for the tag

- border = "n" Width of enclosed area surrounding table.
- border ="0" eliminates the grid lines
- **cellspacing** = "n" Spacing between individual cells
- **cellpadding** = "n" Space between border and contents of cell
- width ="n" Desired width; overrides automatic width calculations (value or %)

BASIC TABLE STRUCTURE

```
15
15
30
45
60
45
```

15 15 30 45 60 45

TABLE HEADINGS

```
Saturday
 Sunday
Tickets sold
 120
 135
```

Saturday Sunday

Tickets sold: 120 135

SPANNING COLUMNS

	9am	10am	11am	12am
Monday	Geography		Math	Art

SPANNING ROWS

```
<th>6pm - 7pm</th>
Movie
Comedy
News
<th>7pm - 8pm
Sport
Current Affairs
```

6pm - 7pm	Movie	Comedy	News
7pm - 8pm	WIOVIC	Sport	Current Affairs

WIDTH & SPACING

```
cellpadding="10"
  cellspacing="10">
Withdrawn
 Credit
 Balance
 ...
```

	Withdrawn	Credit	Balance
January	250.00	660.50	410.50
February	135.55	895.20	1170.15

BORDER & BACKGROUND

```
bgcolor="#efefef">
Withdrawn
 Credit
 Balance
 ...
```

	Withdrawn	Credit	Balance
January	250.00	660.50	410.50
February	135.55	895.20	1170.15

Table headings

```
<caption> Fruit Juice Drinks </caption>
  Empty cell

      Apple  *
     Orange 
                      Column headings
     > Screwdriver ✓
   Breakfast 
     0 
     1 
                             Row headings
     0 
   Lunch 
                      Fruit Juice Drinks
     1 
                      Apple Orange Screwdriver
     0 
                   Breakfast 0
     0 
                   Lunch 1
  Dinner ||0
Done
                                    My Computer
```

Tables headings

- A table can have two levels or more of column labels
 - If so, the colspan attribute must be set in the
 tag to specify that the label must span some number of columns

```
      Fruit Juice Drinks

     Orange 
     Apple 
     Screwdriver 
     <</tr>
```

Table formatting

• If the rows have labels the upper left corner must be made larger, taking up two rows, using rowspan

```
<caption> Fruit Juice Drinks and Meals </caption>
  <td rowspan = "2"> </td>
      Fruit Juice Drinks
   Apple 
      Orange 
      Screwdriver 
   Breakfast 
                       Fruit Juice Drinks
     0 
                      Apple Orange Screwdriver
     1 
                   Breakfast 0
     0 
                   Lunch
  Dinner
Done ا 😂
                                      🚇 My Computer
```

Coloring cells of a Table

- Controlling the color of the cell background
 - Colors within a specific data cell
 - text in a
 yellow cell

Advanced table formatting

- Adding graphics as content of a cell
 Put in a cell
- Adding a link as content of a cell

Put ... in a cell

Adding background graphics

Table formatting

- Other table elements
 - summary is used by speech devices
 - thead, thody and the foot elements represent three distinct sections
 - Head containing header info (column names)
 - Body the rows of the table
 - Foot any calculation results and footnotes