Scripting for Multimedia

LECTURE 9: WORKING WITH TABLES

Tables in HTML

- A table displays a two-dimensional grid of data
 - Use

 to create rows and to create table details
- Do not use to create a page layout

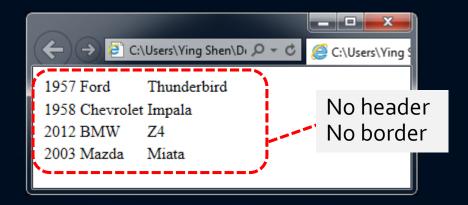
Creating a basic table

- Add a

 for each row
- Inside

 add for each cell

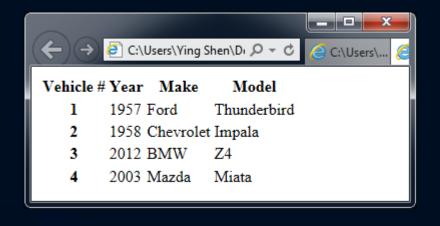
```
1957
  Ford
  Thunderbird
 1958
  Chevrolet
  Impala
```



Adding header cells

Using to display a header

```
Vehicle #
 Year
 Make
 Model
1
 1957
 Ford
 Thunderbird
```



Styling the table headers

• Add a style to
 th {
 background-color: #BDEAFF;
 width: 100px;

Vehicle #	† Year	Make	Model
1	1957	Ford	Thunderbird
2	1958	Chevrolet	Impala
3	2012	BMW	Z4
4	2003	Mazda	Miata

 Set different styles to the horizontal header and vertical header

```
th {
   background-color: #BDEAFF;
   width: 100px;
}
th:only-of-type {
   background-color: #FFFF99;
}
```

Vehicle #	Year	Make	Model
1	1957	Ford	Thunderbird
2	1958	Chevrolet	Impala
3	2012	BMW	Z4
4	2003	Mazda	Miata

- Most browsers automatically wrap all
 * with a
 - table > tr ? --> table > tbody > tr or tbody > tr
 - You should explicitly define in every table
- Use <thead> and <tfoot> to specify header rows and foot rows

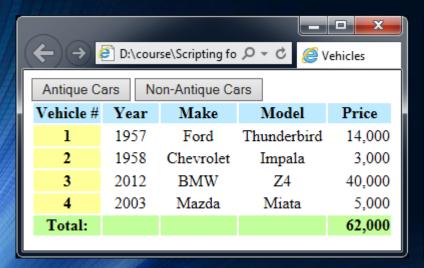
```
<thead>
                 2
  1958
   Vehicle #
                 Chevrolet
   Year
                 Impala
                 3,000
   Make
   Model
                Price
               <tfoot>
  <thead>
                Total:
  1
                 1957
                 Ford
                 17,000
   Thunderbird
                </tfoot>
   14,000
```

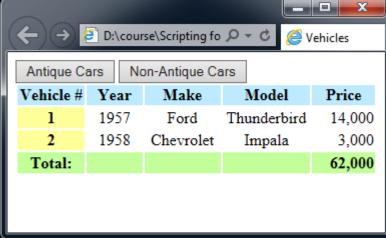
Styles for header and footer

```
thead th {
    background-color: #BDEAFF;
    width: 100px;
}
tbody th { background-color: #FFFF99; }
tfoot th { background-color: #C2FE9A; }
tfoot th:last-of-type { text-align: right; }
td { text-align: center; }
td:last-of-type { text-align: right; }
```

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Г	Vehicle #	Year	Make	Model	Price	
П	1	1957	Ford	Thunderbird	14,000	
П	2	1958	Chevrolet	Impala	3,000	
	Total:				17,000	

- You can have many within a
 - Group rows to apply styles
- Example of hiding or displaying Antique Cars and Non-Antique Cars



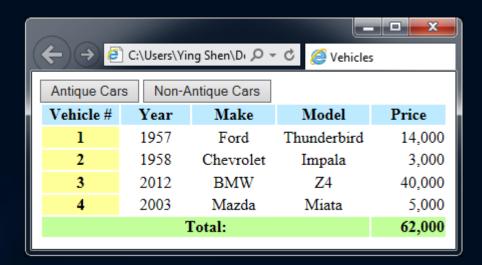


D:\course\Scripting fo $P \cdot Q$					
Antique Cars Non-Antique Cars					
Vehicle #	Year	Make	Model	Price	
3	2012	BMW	Z 4	40,000	
4	2003	Mazda	Miata	5,000	
Total:				62,000	

Creating irregular tables

Tables may contain different number of cells in each row

Example



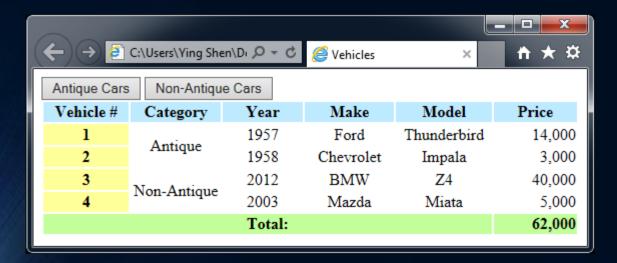
```
            Total:

        >62,000

            >62,000
```

Creating irregular tables

Add a column with n cells



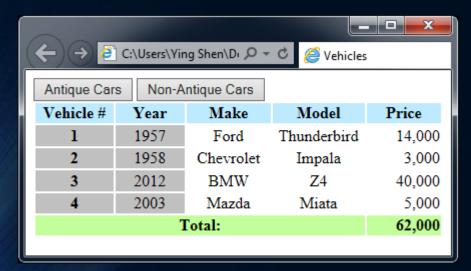
```
1
/th>
Antique
/td>
/tr>
```

Adding a caption to a table

- Use <caption > to define and associate a caption with a table
- <caption> must be the first element within
- The default style of the caption is centered and located above the able
 - You can use text-align and caption-side properties to override the default style

Styling columns

- Use <colgroup> and <col> to style columns
- <colgroup> is placed inside to define columns that can be styled



```
<colgroup>
     <col span="2" class="verticalHeader" />
</colgroup>

.verticalHeader {
        background-color: #C0C0C0;
}
```