HTML Tables

RWD I1

Today´s agenda

– Tables in HTML

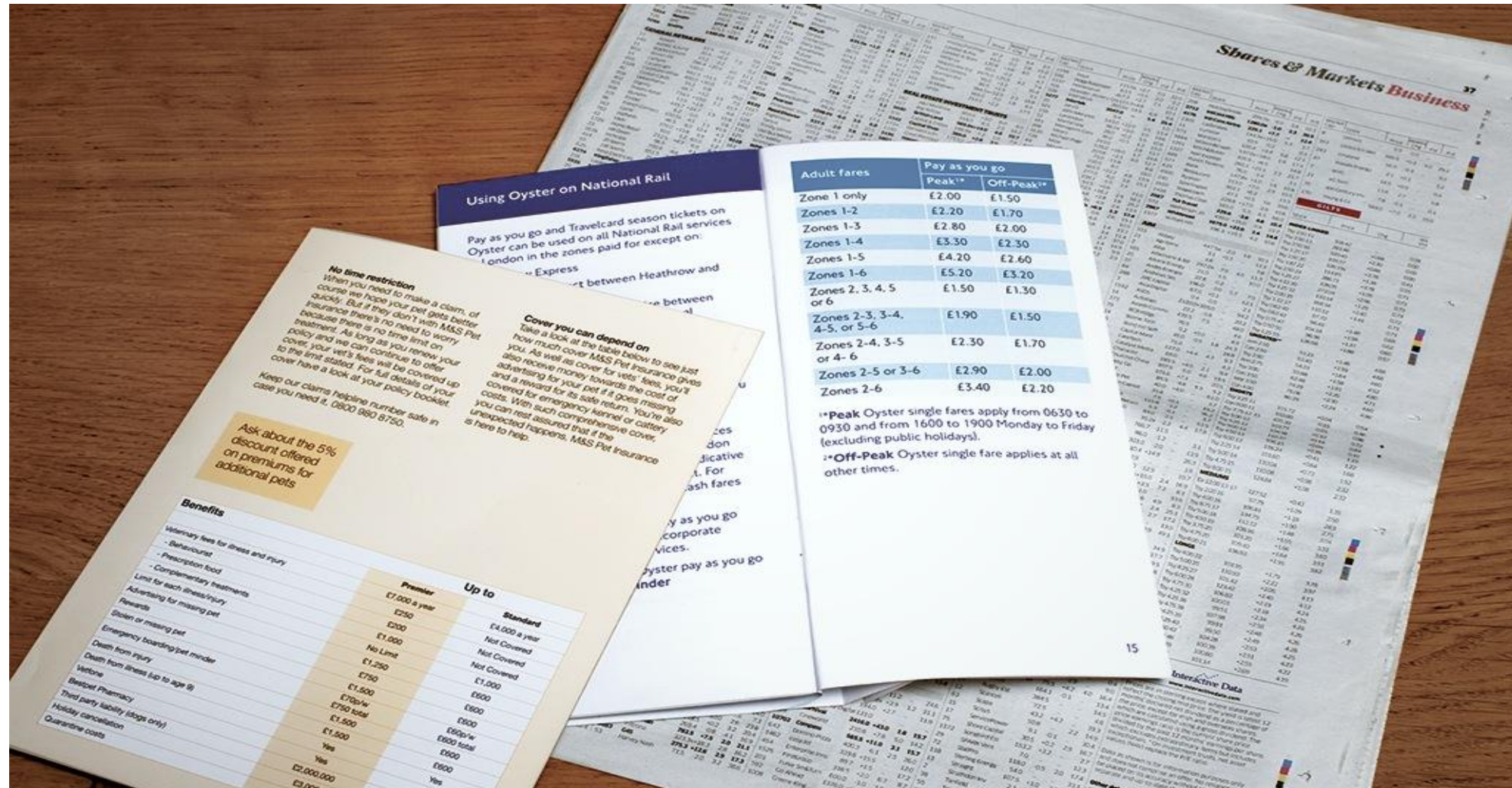– Table borders

– Styling children

– Long tables

– Exercise

Exercises from last time

Pop Quiz

What is a table?

Tables in HTML

- Arranges items in tables
- Can have borders
- ~~Can be used to make the structural layout the page~~ **Not recommended**

Qty	Unit	Item
2	liter	Milk
5	boxes	Cake
3	pcs	Washer

Table Tags

```
<table>
    <tr>

        <td>          </td> <td>          </td>

    </tr>
    <tr>

        <td>          </td> <td>          </td>

    </tr>
</table>
```

`<tr>`: Table row

`<td>`: Table data
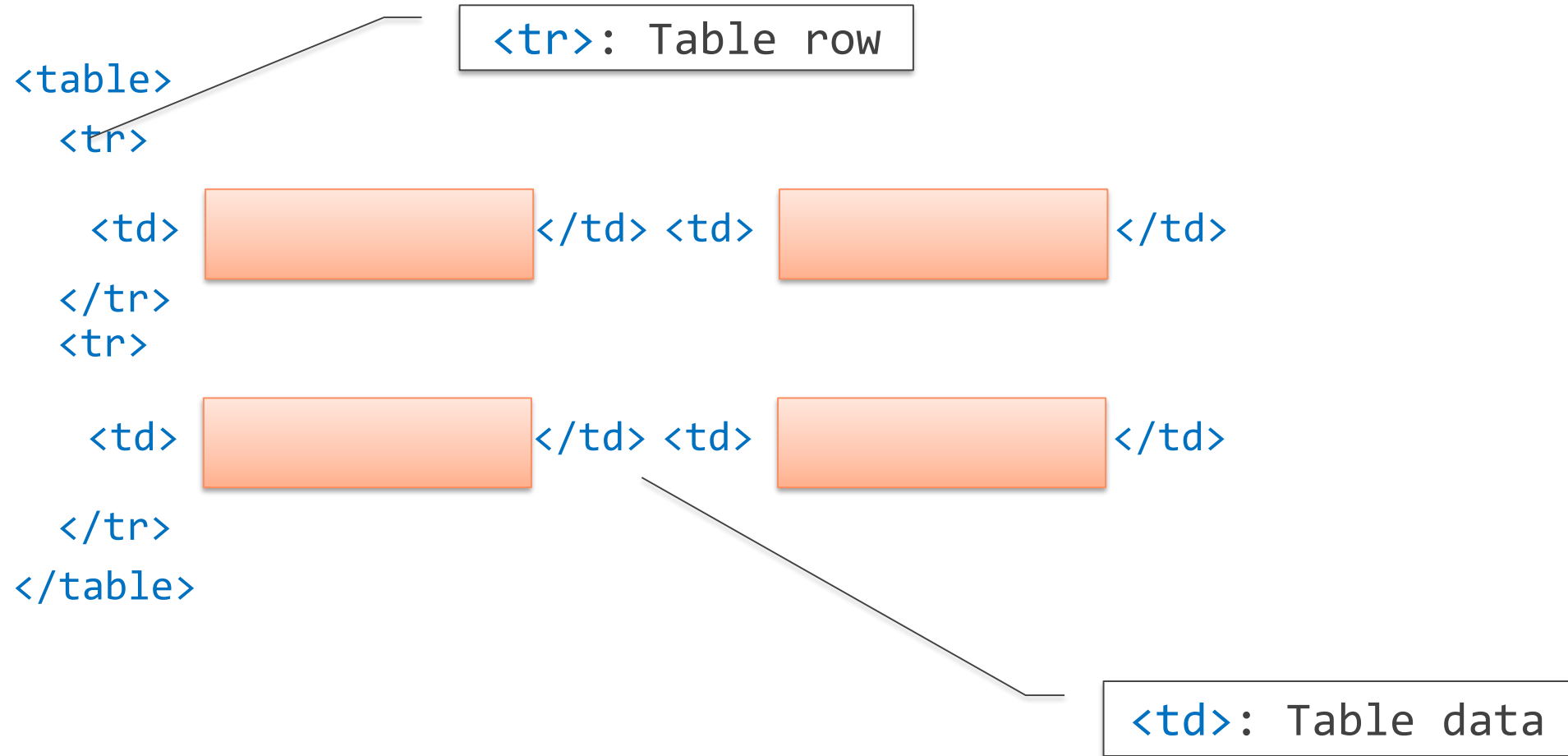
Table Tags - **colspan**

```
<table>
  <tr>
    <td>          </td> <td>          </td>
  </tr>
  <tr>
    <td colspan="2">          </td>
  </tr>
</table>
```

Table Tags – **rowspan**

```
<table>
  <tr>
    <td rowspan="2">          </td> <td>          </td>
  </tr>
  <tr>

                                    <td>          </td>
  </tr>
</table>
```

Table Tags – th

<th>: Table header

```
<table>
  <tr>
    <th>
```
Col 1 Header
```
    </th> <th>
```
Col 2 Header
```
    </th>
  </tr>
  <tr>
    <td>
```

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

```
    </td>
  </tr>
  <tr>
    <td>
```

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

```
    </td>
  </tr>
</table>
```

Table Tags – th

Col 1 Header | Col 2 Header
Row 1 Header | Content 1 | Content 2
| Content 3 | Content 4

```
<table>
  <tr>
    <th/>
    <th>  Col 1 Header  </th>

    <th>  Col 2 Header  </th>
  </tr>
  <tr>
    <th>  Row 1 Header  </th>
    <td>  Content 1  </td>

    <td>  Content 2  </td>

  </tr>
  <tr>…</tr>
</table>
```
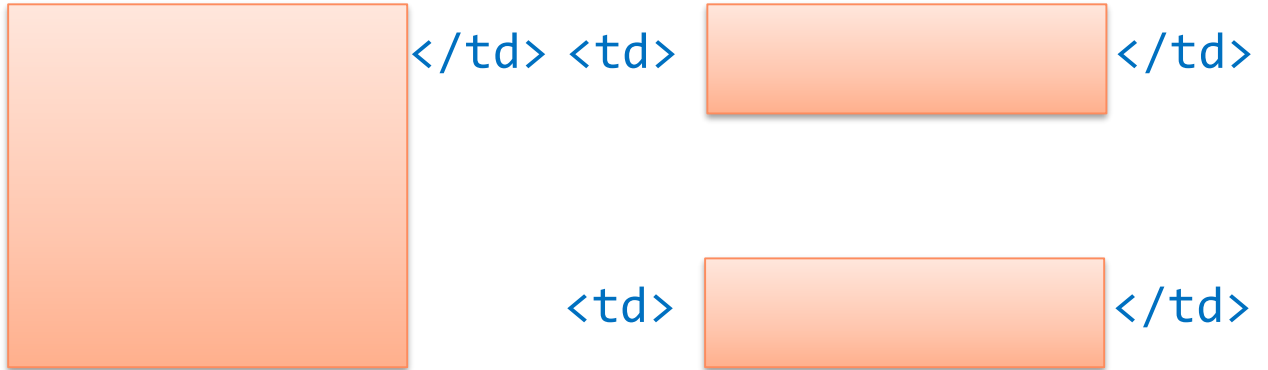
Table Example

```
<table>
  <tr>
    <th>Qty</th>
    <th>Unit</th>
    <th>Item</th>
  </tr>
  <tr>
    <td>2</td>
    <td>liter</td>
    <td>Milk</td>
  </tr>
  <tr>
    <td>5</td>
    <td>boxes</td>
    <td>Cake</td>
  </tr>
</table>
```

Qty	Unit	Item
2	liter	Milk
5	boxes	Cake

Adding Borders

```css
table,th,td {
    border-width: 2px;
    border-color: black;
    border-style: solid;
    border-collapse: collapse;
}
```

Qty	Unit	Item
2	liter	Milk
5	boxes	Cake

Qty	Unit	Item
2	liter	Milk
5	boxes	Cake

Removing Borders

```css
table,th,td {
        border-width: 0px;
        border-collapse: collapse;
        color: white;
}

th {

        font-style: italic;
        padding: 5px;
        background-color: #999999;

}

td {

        padding: 0px 5px 0px 5px;

}
```
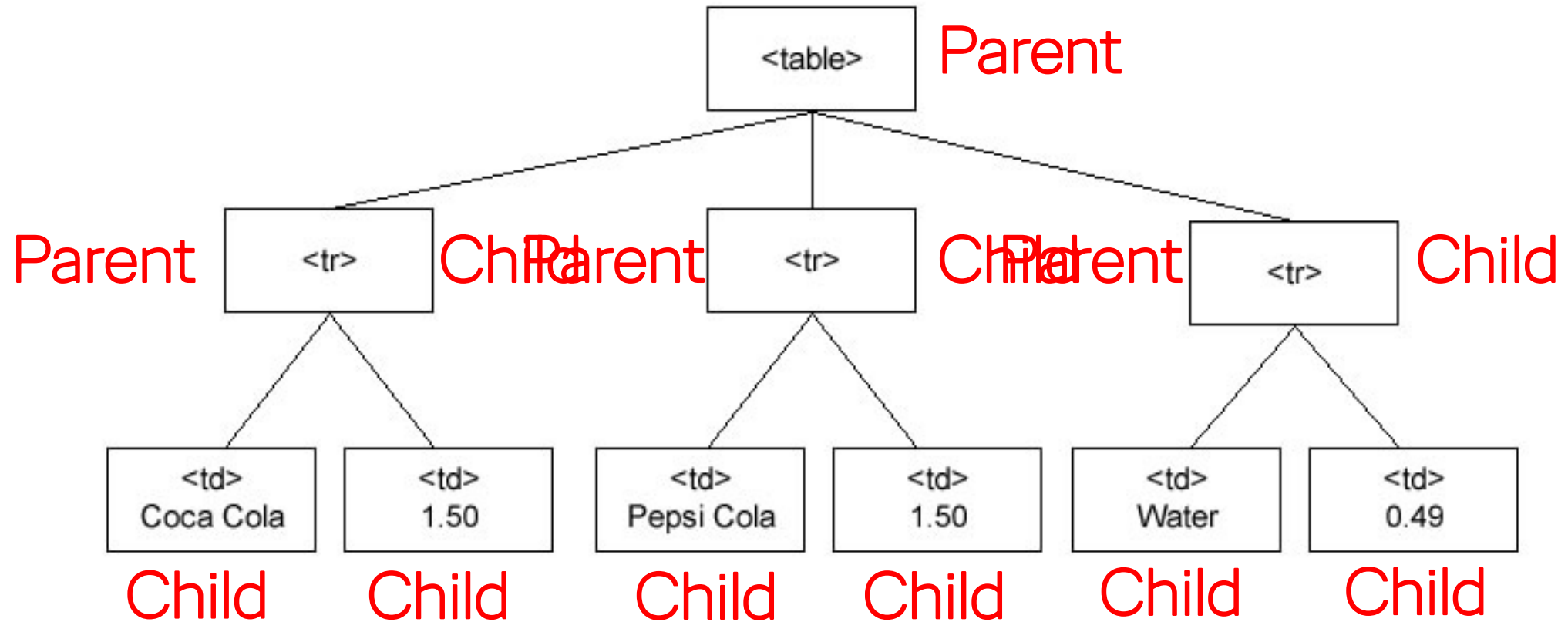
Additional CSS Magic

```css
tr:nth-child(even) {
    background-color: #BBBBBB;
}
tr:nth-child(odd) {
    background-color: #999999;
}

td:nth-child(1) {
    text-align: center;
}
```

nth-child()

nth-child()

```html
<table>  ←——— Parent
  <tr>  ←——— 1st tr child element of its parent element
    <th>Qty</th>
    <th>Unit</th>
    <th>Item</th>
  </tr>
  <tr>  ←——— 2nd tr child element of its parent element
    <td>2</td>
    <td>liter</td>
    <td>Milk</td>
  </tr>
  <tr>  ←——— 3rd tr child element of its parent element
    <td>5</td>
    <td>boxes</td>
    <td>Cake</td>
  </tr>
</table>
```

Select and style only those tr elements which are the n'th child of their parent element (n is given by the argument).

```css
(CSS)
tr:nth-child(even) {
        background-color: #BBBBBB;
}
tr:nth-child(odd) {
        background-color: #999999;
}
```

ICT-Engineering

nth-child()

```
<table>
  <tr>
    <th>Qty</th>
    <th>Unit</th>
    <th>Item</th>
  </tr>
  <tr>            ← Parent
    <td>2</td>       ← 1st td child element of its parent element
    <td>liter</td>
    <td>Milk</td>
  </tr>
  <tr>            ← Parent
    <td>5</td>       ← 1st td child element of its parent element
    <td>boxes</td>
    <td>Cake</td>
  </tr>
</table>
```

Select and style only those `td` elements which are the n'th child of their parent element (n is given by the argument).

```
td:nth-child(1) {
    text-align: center;
}
```

ICT-Engineering

"Long" Tables

```
<table>
  <thead>
    <tr><th>Date</th><th>Income</th><th>Expenditure</th></tr>
  </thead>
  <tbody>
    <tr><td>1st January</td><td>250</td><td>36</td></tr>
    <tr><td>2nd January</td><td>285</td><td>48</td></tr>
    ...
  </tbody>
  <tfoot>
    <tr><td>Total</td><td>7824</td><td>1241</td></tr>
  </tfoot>
</table>
```

Tables

For more info see:
http://www.w3schools.com/html/html_tables.asp
and
http://www.w3schools.com/css/css_table.asp

Exercises

-   Find the exercises on studienet (HTML and CSS file)

-   Arrange stuff in tables