



Front-end Development

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HTML Table

| Column 1 | Column 2 | Column 3 | Column 4 |
|----------|----------|----------|----------|
| Data | Data | Data | Data |
| Data | Data | Data | Data |
| Data | Data | Data | Data |
| Data | Data | Data | Data |

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```
<body>
  <div id="searchOutput">Middle</div>
  <table>
    <tbody>
      <tr>
        <td>First</td>
      </tr>
      <tr>
        <td>Last</td>
      </tr>
    </tbody>
  </table>
  <script>...</script>
</body>
```

| First Name | Last Name | Job Title | Twitter |
|------------|-----------|----------------------|------------|
| James | Matman | Chief Sandwich Eater | @james |
| Andor | Nagy | Designer | @andornagy |
| Tamas | Biro | Game Tester | @tamas |
| Zoli | Mastah | Developer | @zoli |
| Szabi | Nagy | Chief Sandwich Eater | @szabi |

1. HTML Table

HTML Table

- Table **represents tabular data**
 - A table consists of one or several rows
 - Each row has one or more columns
- Table is comprised of several **core tags**:
 - **<table></table>**: begin/end table definition
 - **<tr></tr>**: create a table row
 - **<td></td>**: create tabular data (cell)
- Table should **not be used for layout**
Use CSS floats or flex and positioning styles instead

Simple HTML Table

Example

```
<table cellpadding="5" cellspacing="0">
  <tr>
    <td></td>
    <td><a href="lecture1.pptx">Lecture 1</a></td>
  </tr>
  <tr>
    <td></td>
    <td><a href="lecture2.pptx">Lecture 2</a></td>
  </tr>
</table>
```

Data Cell and Header Cell

- Two kinds of cells in HTML table
 - **Data** cell – `<td></td>` – containing the table data
 - **Header** cell – `<th></th>` – used for the column names or some more important cells
- Why two kinds of cells?

Used to **semantically** separate the cells

```
<table cellpadding="5" cellspacing="0">
  <tr>
    <th>Full Name</th>
    <th>Mark</th>
  </tr>
  <tr>
    <td>Doncho Minkov</td>
    <td>Very good (5)</td>
  </tr>
</table>
```



Complete HTML Table

Tags, Attributes and Elements

Complete HTML Table

Table rows split into 3 semantic sections: **header**, **body** and **footer**

- **<thead>** denotes table header and contains **<th>** elements, instead of **<td>** elements
- **<tbody>** denotes collection of table rows that contain the very data
- **<tfoot>** denotes table footer but comes **BEFORE** the **<tbody>** tag
- **<colgroup>** and **<col>** define columns (used to set column widths)

Complete HTML Table

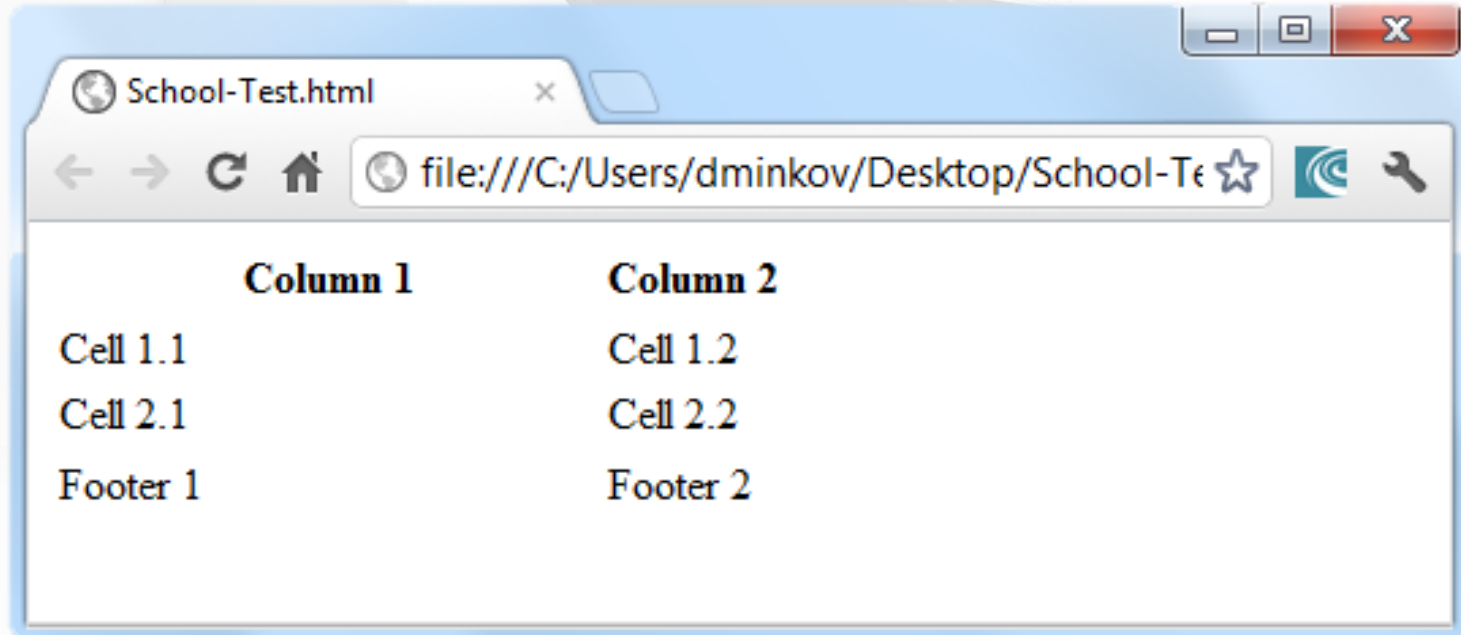
Example

```
<table cellspacing="0" cellpadding="5">
  <colgroup>
    <col style="width: 100px;" />
    <col>
  </colgroup>
  <thead>
    <tr>
      <th>Column 1</th>
      <th>Column 2</th>
    </tr>
  </thead>
  <tfoot>
    <tr>
      <td>Footer 1</td>
      <td>Footer 2</td>
    </tr>
  </tfoot>
  <tbody>
    <tr>
      <td>Cell 1.1</td>
      <td>Cell 1.2</td>
    </tr>
  </tbody>
</table>
```

Complete HTML Table

Example

Although the footer is before the data in the code, it is displayed last





Complete HTML Table

Example

12


Complete HTML Table

- The **<caption>** tag defines a table caption and must be **inserted immediately after the <table>** tag.
- By default, a table caption will be **center-aligned above a table**.
However, the CSS properties **text-align** and **caption-side** can be used to align and place the caption.

Complete HTML Table

Example

```
<table border="1">
  <caption><b>My savings</b></caption>
  <colgroup>
    <col style="width: 100px;">
    <col style="width: 100px;">
  </colgroup>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
</table>
```



| Month | Savings |
|--------------|----------------|
| January | \$100 |



https://www.website.com

[pager stuff]

| <input type="checkbox"/> | Name | Logo | Yearly Income | Ow |
|--------------------------|-----------|-----------------|---------------|----|
| <input type="checkbox"/> | McDonalds | 2 golden arches | \$\$\$\$\$ | |
| <input type="checkbox"/> | Taco Bell | A bell | \$\$\$\$\$ | |
| <input type="checkbox"/> | Subway | The name | \$\$\$\$\$ | |

| Address | City | State | Zip | Phone |
|---------------------|---------|-------|-------|---------|
| 1 Main St. | Seattle | WA | 12345 | (999)1. |
| 42 Hitchhiker's Way | Atlanta | GA | 67890 | (207)9. |

| | | | | |
|--------------------------|-------|---------|------|--|
| <input type="checkbox"/> | Arbys | No clue | \$\$ | |
|--------------------------|-------|---------|------|--|

[pager stuff]

2. Nested Table

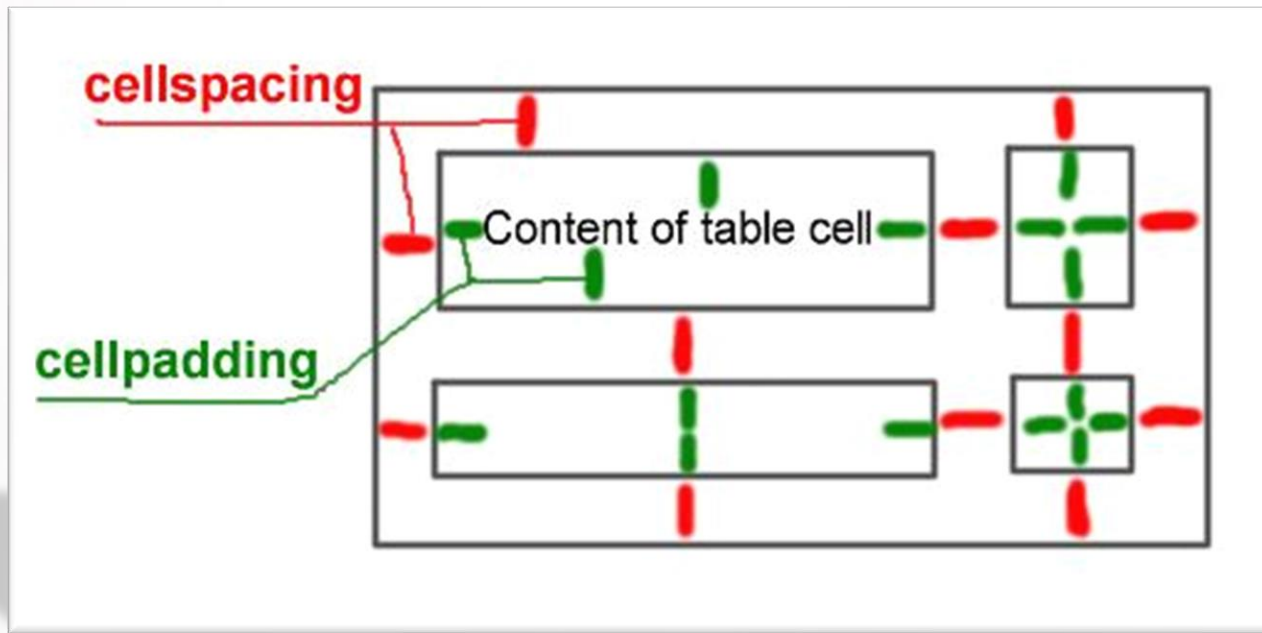
Tables in Tables in Tables in Tables...

Nested Table

Table **cells** (<td>) can contain **nested** tables (tables within tables):

```
<table>
  <tr>
    <td>Contact:</td>

    <td>
      <table>
        <tr>
          <td>First Name</td>
          <td>Last Name</td>
        </tr>
      </table>
    </td>
  </tr>
</table>
```

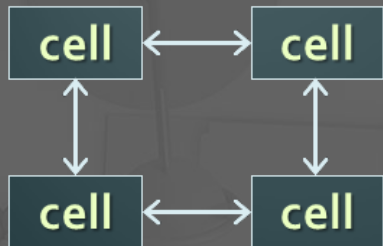



3. Complex Table

With Padding, Spacing and Stuff

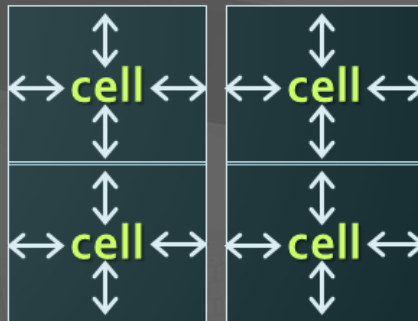
Cell Spacing and Padding

Cell spacing



Defines the
empty space
between cells

Cell padding



Defines the empty
space around the cell
content

Cell Spacing and Padding

Example

```
<html>
  <head><title>Table Cells</title></head>
  <body>
    <table cellspacing="15" cellpadding="0">
      <tr>
        <td>First</td>
        <td>Second</td>
      </tr>
    </table>
    <br/>
    <table cellspacing="0" cellpadding="10">
      <tr>
        <td>First</td>
        <td>Second</td>
      </tr>
    </table>
  </body>
</html>
```

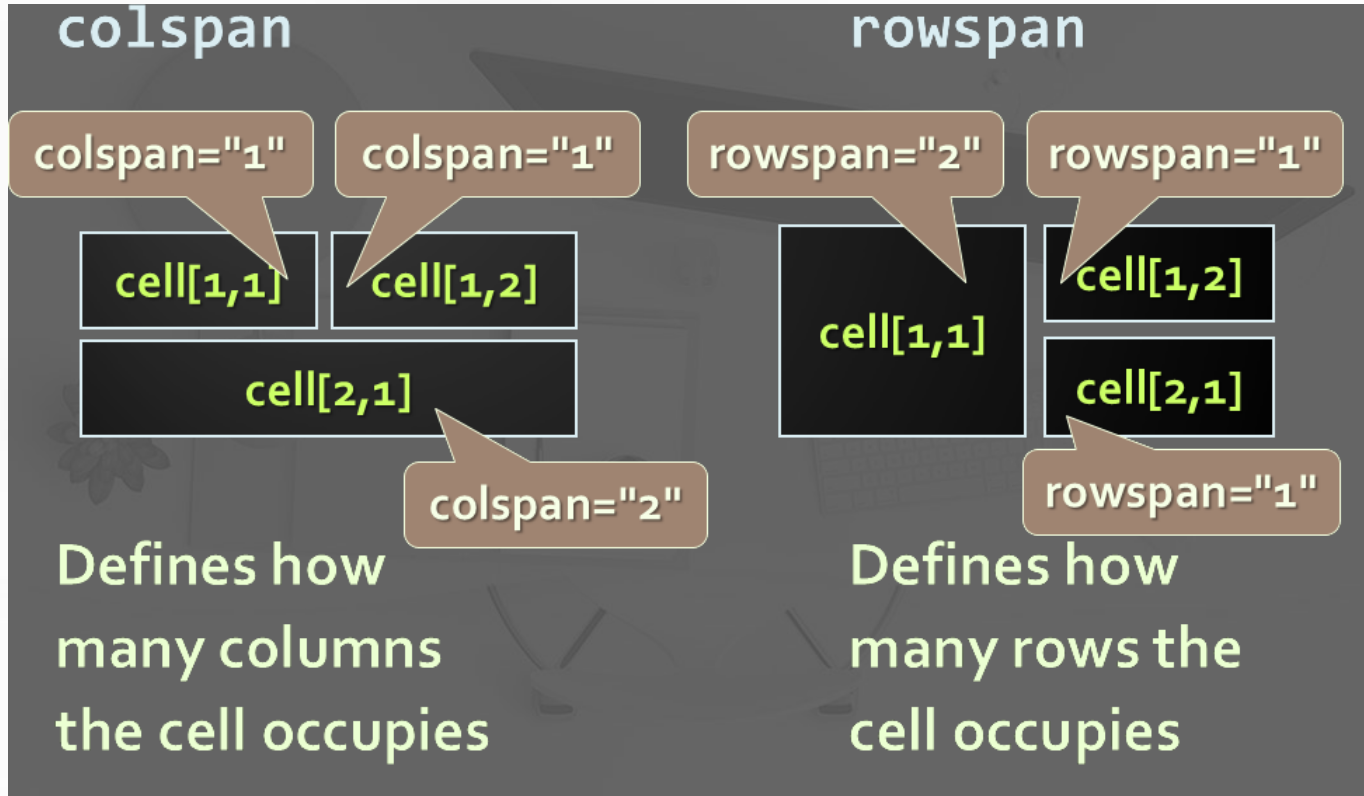


| <i>Title</i> | <i>Title</i> | <i>Title</i> |
|--------------|--------------|--------------|
| <i>Data</i> | | |
| | | |
| | <i>Data</i> | |

Row and Column Spans

How to Make a Two-Cells Column or Row?

Column and Row Span



Column and Row Span

Example

```
<table cellpadding="5">
  <tr class="Row1">
    <td>Cell [1, 1]</td>
    <td colspan="2">Cell [2, 1]</td>
  </tr>
  <tr class="Row2">
    <td>Cell [1, 2]</td>
    <td rowspan="2">Cell [2, 2]</td>
    <td>Cell [3, 2]</td>
  </tr>
  <tr class="Row3">
    <td>Cell [1, 2]</td>
    <td>Cell [2, 3]</td>
  </tr>
</table>
```

Column and Row Span

Example

| | | |
|-----------|-----------|-----------|
| Cell[1,1] | Cell[2,1] | |
| Cell[1,2] | Cell[2,2] | Cell[3,2] |
| Cell[1,3] | | Cell[2,3] |



Summary

Exercise

Write the HTML tags for the following table

| STT | Ngày Đặt | Khách Hàng | Điện Thoại | Địa Chỉ | Ghi Chú | Tình Trạng |
|-----|---------------------|------------|------------|----------------|---------|------------|
| 1 | 2022-03-05 12:44:52 | kirito | 0394826477 | 40HV,PC,TDM,BD | Ok | Đã xử lý |


Mã đơn hàng: DCP-20220305124452

Hủy

Đã xử lý

Chờ kiểm tra kho

THÔNG TIN CHI TIẾT

| STT | HÌNH | TÊN SP | LOẠI GIÁ | SỐ LƯỢNG | ĐƠN GIÁ | THÀNH TIỀN |
|-----------|-----------------------------------------------------------------------------------|--------------------------------|----------|----------|---------|------------|
| 1 |  | XE Ô TÔ BEN ĐIỆN TRẺ EM NEL909 | | 1 | 0 VNĐ | 0 VNĐ |
| Tổng cộng | | | | | | 0 VNĐ |

| | | | | | | |
|---|---------------------|--------------|------------|------------|--|----------|
| 2 | 2021-12-10 16:24:15 | Đ | 0344 | Xxz | | Mới |
| 3 | 2021-12-10 09:28:06 | TRANMANHHOAI | 0344238347 | BINH DUONG | | Đã hủy |
| 4 | 2021-12-10 09:28:00 | TRANMANHHOAI | 0344238347 | BINH DUONG | | Đã xử lý |
| 5 | 2021-12-10 09:18:16 | TRANMANHHOAI | 0344238347 | BINH DUONG | | Đã hủy |



Q&A