



# Web Programming

**Lecturer:** Ung Văn Giàu  
**Email:** [giau.ung@eiu.edu.vn](mailto:giau.ung@eiu.edu.vn)

# 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

# Contents

01

**HTML Table**

02

**Nested Table**

03

**Complex Table**



```
<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 cellspacing="0" cellpadding="5">
  <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

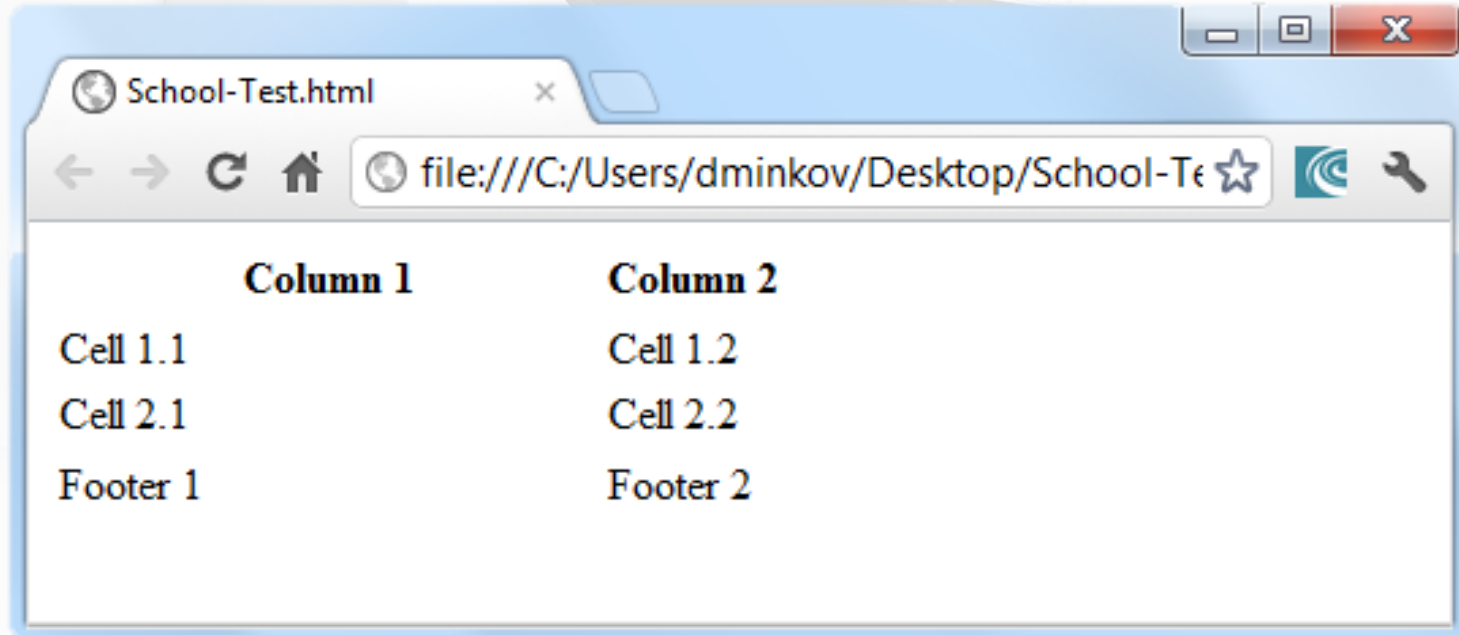
## Example

```
<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



Dashboard

Posts

All Posts

Add New

Categories

Tags

Media

Pages

Comments

Appearance

Plugins

Users

Tools

Settings

Custom Fields

Callbacks

Collapse menu

WordPress 6.0 is available! [Please update now.](#)

Screen Options

Help

Posts

Add New

All (66) | Mine (4) | Published (66) | Sticky (31)

Edit

Apply

All dates

All Categories

Filter

66 items

<

>

1

of 4

<

>

☐

Title

☐

Màn hình Viewsonic 32" VX3258-PC-MHD ( FHD Cong 165Hz ) — Sticky

☐

Màn hình Gigabyte G27EC ( FHD Cong 165Hz ) — Sticky

☐

Màn hình cong Samsung 27" LC27F397FHEOXV — Sticky

☐

Màn hình MSI PRO MP242 23.8 inch FHD IPS 75Hz — Sticky

☐

GHÉ GAMING E-DRA CITIZEN ( Đen )

☐

GHÉ Gaming E-Dra Citizen (Trắng/Hồng )

☐

Bàn chơi Z Gaming E-Dra Transformer ( Chấn Khuyết )

☐

Bàn chơi Z Gaming

☐

DELL N3567 (15.6" HD/13 7020U/4GB/128GB SSD/HD 620/WIN10/2.3 KG)

☐

DELL N3543 (15.6" HD/13 5005U/4GB/128GB SSD/HD 5500/WIN10/2.3 KG)

☐

DELL LATITUDE 3540 (15.6" HD/13 4030U/4GB/128GB SSD/HD 4400/WIN10/2.3 KG)

☐

ASUS X451 (14" HD/13 3217U/4GB/500GB HDD/HD 4000/WIN 7/2.0 KG)

☐

LENOVO 5410 (14" HD/15 4200U/4GB/128GB SSD/INTEL HD/WIN10/2.0 KG)

☐

DELL N5420 (14" HD/15 3210M/4GB/500GB HDD/HD 4000/WIN 7/2.2 KG)

☐

HP 1000 (14" HD/13 2370M/4GB/500GB HDD/HD 3000/WIN 7/2.2 KG)

☐

Asus X451 (14" HD/13 3217U/4GB/500GB HDD/HD 4000/WIN 7/2.0 KG)

☐

BỘ HIKVISION 4 CAMERA 2.0MP — Sticky

☐

BỘ HIKVISION 8 CAMERA 2.0MP — Sticky

☐

BỘ HIKVISION 4 CAMERA 1.0MP — Sticky

☐

BỘ HIKVISION 8 CAMERA 1.0MP — Sticky

☐

Title

Author

Categories

Tags

Date

Đức	Màn hình mới	—	Published	2021/04/08 at 2:52 pm
Đức	Màn hình mới	—	Published	2021/04/08 at 2:30 pm
Đức	Màn hình mới	—	Published	2021/04/08 at 12:04 pm
Đức	Màn hình mới	—	Published	2021/04/07 at 5:38 pm
Đức	Bàn ghế Gaming	—	Published	2021/03/24 at 11:10 am
Đức	Bàn ghế Gaming	—	Published	2021/03/24 at 11:06 am
Đức	Bàn ghế Gaming	—	Published	2021/03/24 at 10:50 am
Đức	Bàn ghế Gaming	—	Published	2021/03/24 at 10:40 am
Đức	Laptop cũ	—	Published	2021/03/24 at 10:13 am
Đức	Laptop cũ	—	Published	2021/03/24 at 10:06 am
Đức	Laptop cũ	—	Published	2021/03/24 at 9:59 am
Đức	Laptop cũ	—	Published	2021/03/24 at 9:50 am
Đức	Laptop cũ	—	Published	2021/03/24 at 9:46 am
Đức	Laptop cũ	—	Published	2021/02/25 at 2:53 pm
Đức	Laptop cũ	—	Published	2021/02/25 at 2:44 pm
Đức	Laptop cũ	—	Published	2021/02/25 at 2:25 pm
Đức	Camera	—	Published	2021/01/28 at 11:24 am
Đức	Camera	—	Published	2021/01/28 at 11:20 am
Đức	Camera	—	Published	2021/01/28 at 11:03 am
Đức	Camera	—	Published	2021/01/28 at 11:02 am

Bulk actions

Apply

66 items

<

>

1

of 4

<

>

# 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>
```



<b>Month</b>	<b>Savings</b>
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...

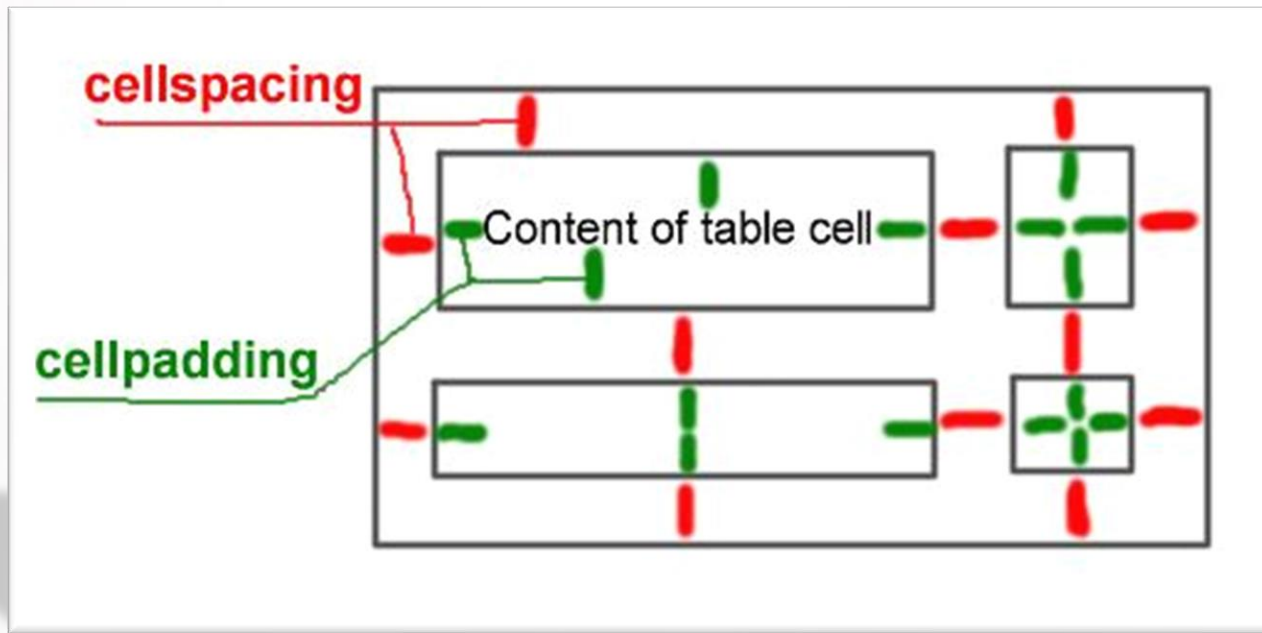
# Nested Table

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>
```



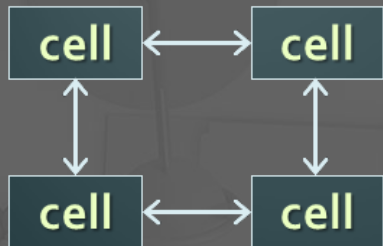


### 3. Complex Table

With Padding, Spacing and Stuff

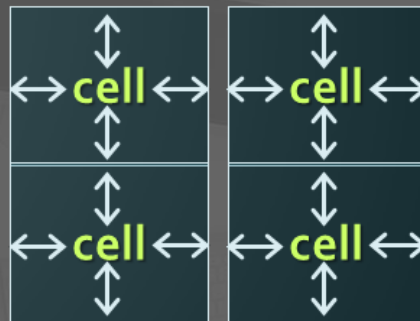
# Cell Spacing and Padding

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>
```

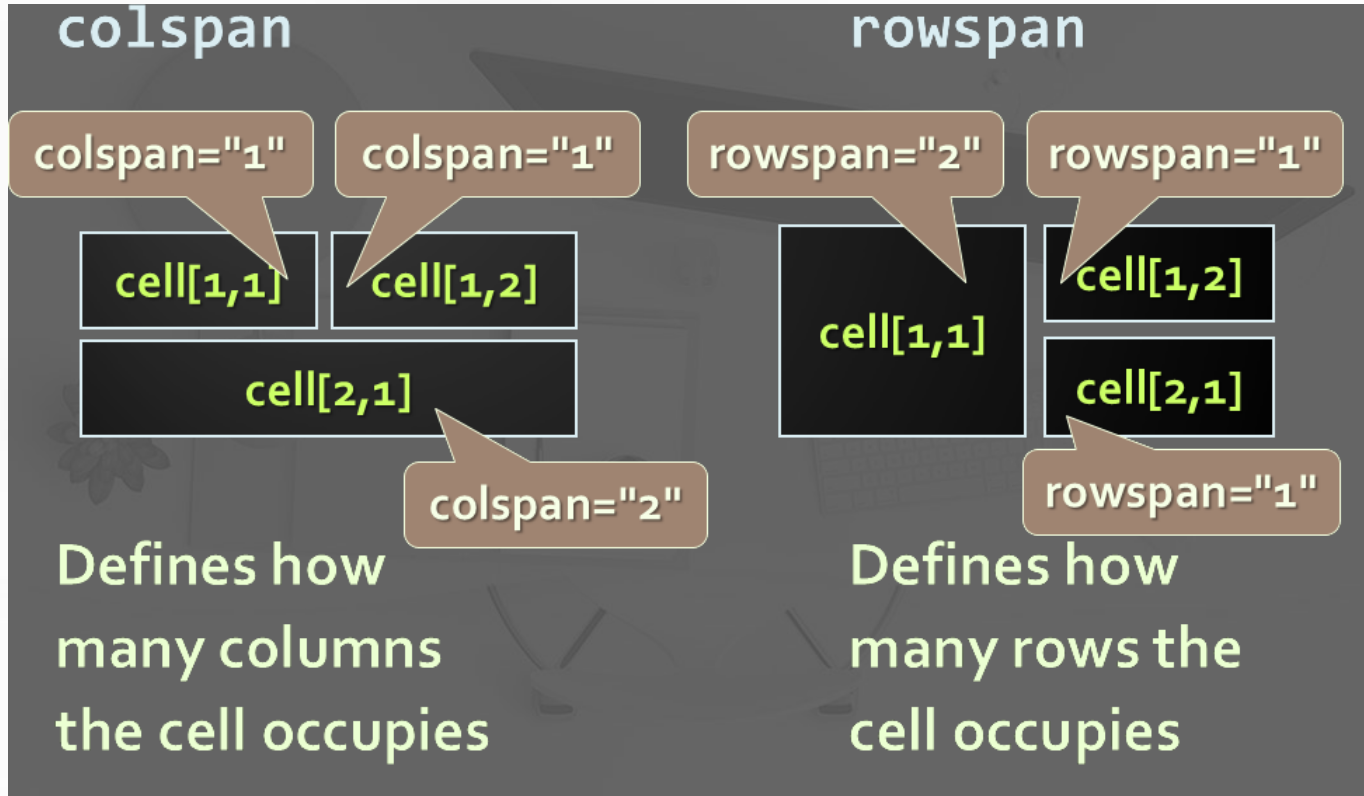


<i>Title</i>	<i>Title</i>	<i>Title</i>
<i>Data</i>		
	<i>Data</i>	

# 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**