# Lecture 7



HTML Forms - Part 2

# **Topics**

- HTML Tables

  - o
  - >
  - <thead>
  - < <tbody>
  - <tfooter>
  - o <caption>

# **HTML Tables**

## Define a HTML Table

The tag defines an HTML table.

Each table row is defined with a tag. Each table header is defined with a tag. Each table data/cell is defined with a tag. Each table

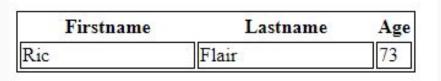
By default, the text in elements are bold and centered.

By default, the text in elements are regular and left-aligned.

```
Firstname
Lastname
Age

Age

Karrent Company of the c
```



The **HTML element** represents tabular data — that is, information presented in a two-dimensional table comprised of rows and columns of cells containing data.

HTML tables allow web developers to arrange data into rows and columns.

## Simple table with header

First name	Last name
John	Doe
Jane	Doe

Countries	Capitals	Population	Language
USA	Washington, D.C.	309 million	English
Sweden	Stockholm	9 million	Swedish

### Table Row Element

```
Player
  Position
  Team
  Wayne Gretzky
  Forward
  2857
  Jaromir Jagr
  Forward
  1921
```

The **HTML element** defines a row of cells in a table. The row's cells can then be established using a mix of (data cell) and (header cell) elements.

Player	Position	Team
Wayne Gretzky	Forward	2857
Jaromir Jagr	Forward	1921

```
(tr>
  Player
  Position
  Team
Wayne Gretzky
  Forward
  2857
(tr>
  Jaromir Jagr
  Forward
  1921
```

The **HTML element** defines a cell of a table that contains data. It participates in the *table model*.

Player	Position	Team
Wayne Gretzky	Forward	2857
Jaromir Jagr	Forward	1921

```
<caption>Alien football stars</caption>
 (tr)
   Player
   Position
   Points
 (tr>
   Wayne Gretzky
   F
   2387
 (tr)
   Steve Yzerman
   F
   1755
```

The **HTML element** defines a cell as header of a group of table cells. The exact nature of this group is defined by the scope and headers attributes.

#### scope

This enumerated attribute defines the cells that the header (defined in the ) element relates to. It may have the following values:

- row: The header relates to all cells of the row it belongs to.
- col: The header relates to all cells of the column it belongs to.
- rowgroup: The header belongs to a rowgroup and relates to all of its cells. These cells can be placed to the right or the left of the header, depending on the value of the dir attribute in the element.
- colgroup: The header belongs to a colgroup and relates to all of its cells.
- auto (default)

## <thead> Table Element

The **HTML** <thead> element defines a set of rows defining the head of the columns of the table.

```
<thead>
   (tr>
    Player
    Team
   </thead>
 (tr>
    Gordie Howe
    Red Wings
   (tr>
    Bobby Orr
    Boston Bruins
```

Player	Team
Gordie Howe	Red Wings
Bobby Orr	Boston Bruins

```
<thead>
  (tr>
    Wrestlers
    Territory
  </thead>
 (tr>
    Ric Flair
    NWA
  (tr>
    Randy Savage
    ICW
```

The **HTML Table Body element** () encapsulates a set of table rows (**>** elements), indicating that they comprise the body of the table ().

Wrestlers	Territory
Ric Flair	NWA
Randy Savage	ICW

```
<thead>
 (tr>
   Wrestler
   World Titles
 </thead>
(tr>
   Ric Flair
   21
 (tr>
   John Cena
   16
 <tfoot>
 (tr>
   Totals
   37k/td>
 </tfoot>
```

The **HTML** <tfoot> **element** defines a set of rows summarizing the columns of the table.

Wrestler	World Titles
Ric Flair	21
John Cena	16
Totals	37

# <tfooter> Table Element

```
<caption>He-Man and Skeletor facts/caption>
 (tr)

   He-Man
   Skeletor
 (tr>
   Role
   Hero
   Villain
 (tr>
   Weapon
   Power Sword
   Havoc Staff
```

The **HTML <caption> element** specifies the caption (or title) of a table.

	HE- Man	Skeletor
Role	Hero	Villain
Weapon	Power Sword	Havoc Staff

He-Man and Skeletor facts

# <caption> Table Element

# <colspan> Attribute

To make a cell span more than one column, use the colspan attribute:

```
(tr>
 Name
 Telephone
Bill Gates
 55577854
 55577855
```

Name	Telephone	
Bill Gates	55577854	55577855

# <rowspan> Attribute

To make a cell span more than one row, use the rowspan attribute:

```
(tr>
 Name:
 Bill Gates
Telephone:
 55577854
55577855
```

Name:	Bill Gates	
Telephone:	55577854	
	55577855	

# **Table Styling**

To add a border to a table, use the CSS border property:

```
table, th, td {
  border: 1px solid black;
}
```

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

To align content in a table, use the CSS text-align property:

```
th {
  text-align: center;
}
```

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80