HTML: Part 2

Roadmap

- > Tables
- > Forms
- > CSS

Tables

- Tables are defined with the tag
- Tables are useful for displaying large row/column data sets
- Tables are drawn by rows
- A row is created with element
 - Inside row: element is used for table header
 - is used for table data
 - A data cell can contain text, images, lists, paragraphs, forms, horizontal rules, tables, etc.
- NOTE: tables are sometimes used for web page layout, but this is not proper semantic HTML and should be avoided

Table example

Heading 1	Heading 2
row 1, cell 1	row 1, cell 2
row 2, cell 1	row 2, cell 2

Table with border-collapse

Heading 1	Heading 2
row 1, cell 1	row 1, cell 2
row 2, cell 1	row 2, cell 2

- If you do not specify a border for the table, it will be displayed without borders
- By default, the overall table has a separate border from each cell inside
- The border-collapse property merges these borders into one
 - You can define this as an attribute as

> All standard CSS styles can be applied to a table, row, or cell

Table headers and Captions

This is the header of the table

Column 1	Column 2
Row 1, Column 1	Row 1, Column 2
Row 2, Column 1	Row 2, Column 2

- th cells in a row are considered as headers; by default, they appear bold
- A caption at the start of the table labels its meaning

Table Spans and Paddings

- A cell can span more than one row or column
 - To make a cell span more than one column, use the colspan attribute within th or td
 - E.g., Telephone means this particular cell will span two columns
 - To make a cell span more than one row, use the rowspan attribute within th or td
 - E.g., Telephone means this particular cell will span two rows
- Cellpadding specifies the space between the cell content and its borders

```
padding-top: 10px;
padding-bottom: 20px;
padding-left: 30px;
padding-right: 40px;
```

```
<!DOCTYPE html>
                  Table Spans -
<html>
<head>
                  Example
<style>
table, th, td {
 border: 1px solid black;
 border-collapse: collapse;
</style>
</head>
<body>
<h2>Cell that spans two columns</h2>
To make a cell span more than one column,
  use the colspan attribute.
Name
  Age
 Jill
  Smith
  43
 Eve
  Jackson
  57
 </body>
</html>
```

Cell that spans two columns

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

Name		Age
Jill	Smith	43
Eve	Jackson	57

```
<!DOCTYPE html>
                       Table Spans -
<html>
                       Example
<head>
<style>
table, th, td {
 border: 1px solid black;
 border-collapse: collapse;
</style>
</head>
<body>
<h2>Cell that spans two rows</h2>
To make a cell span more than one row,
  use the rowspan attribute.
</body>
</html>
```

Cell that spans two rows

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

Name	Jill
Phone	555-1234
	555-8745

```
<!DOCTYPE html>
                  Table Spans -
<html>
                  Example
<head>
<style>
table, th, td {
 border: 1px solid black;
 border-collapse: collapse;
</style>
</head>
<body>
<h2>Cell that spans two rows</h2>
To make a cell span more than one row,
  use the rowspan attribute.
Name
  Jill
 Phone
  555-1234
 555-8745
 </body>
</html>
```

Cell that spans two rows

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

Name	Jill
Phone	555-1234
	555-8745

https://www.w3schools.com/html/default.asp

HTML Form

- > An HTML form is used to collect user input
- The user input is most often sent to a server for processing
- To create an HTML form:

```
<form>...</form>
```

➤ The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

HTML Form

- > Text input
 - Single and multi-line texts
 - Masked characters (password)
- Choices
 - Radio buttons
 - Select one (of multiple options)
 - Checkboxes
 - Select one or more options
 - Drop-down list

HTML Form – Text input

User Name	e: myadmin
Password:	*******

HTML Form – Text input

Description of your online business ideas Submit

HTML Form - Radio buttons

- Radio button
 - let a user select ONLY ONE of a limited number of choices
 - name attribute: sent to server with value of selected option. Same name for all options
 - value: option value
 - checked: indicate which value should be selected when the page load

```
RedWhiteNavy
```

HTML Form – Checkboxes

- Checkboxes
 - <input type="checkbox"> defines a checkbox
 - Let a user select one or more options of a limited number of choices

```
I have a bike
I have a car
I have a boat
```

```
<form>
    <input type="checkbox" name="vehicle1" value="Bike">
        I have a bike<br>
        <input type="checkbox" name="vehicle2" value="Car">
        I have a car<br>
        <input type="checkbox" name="vehicle3" value="Boat">
        I have a boat<br/>
        I have a boat<br/>
        /form>
```

HTML Form – Drop down lists

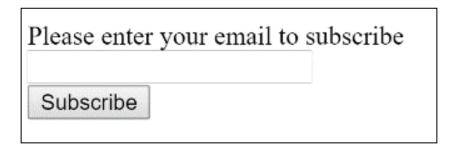
- Drop down list box
 - <select> is used to create drop down list box
 - <option> specify options user
 can select from
 - Value attribute is sent to server along with name
- If the list is short, and user needs to see all options quickly, go for radio buttons
- If the list of options is long, go for drop down list



Form – Submit

> Submit

- Input type="submit"
- Send form to server
- Value: display text to appear on a button (e.g. subscribe, send, submit, etc.)
- If you omit the submit button's value attribute, the button will get a default text



```
<form action="subscribe.php" method="post">
    Please enter your email to subscribe<br>
    <input type= "text" name= "email" ></input><br>
    <input type="submit" value="Subscribe">
    </form>
```

HTML Form - The Action Attribute

- Form elements require action attribute
- Value of action is a URL for a page on the server which receive the form information when it is submitted
- If the action attribute is omitted, the action is set to the current page
- E.g.

```
<form action="booking.php" method="get">
```

HTML Form - The Method Attribute

- ➤ The method attribute specifies the HTTP method to be used when submitting the form data.
 - ✓ The form-data can be sent as URL variables (with method="get")
 - ✓ or as HTTP post transaction (with method="post").
- The default HTTP method when submitting form data is GET.

```
<form action="/action_page.php" method="get">
```

HTML Form - The Method Attribute

GET method:

- Appends the form data to the URL, in name/value pairs
- www.test.com/demo.php?name1=value1&name2=value2
- NEVER use GET to send sensitive data! (the submitted form data is visible in the URL!)
- The length of a URL is limited (2048 characters)
- GET is good for non-secure data, like query strings in Google

POST method:

- Appends the form data inside the body of the HTTP request (the submitted form data is not shown in the URL)
- POST has no size limitations, and can be used to send large amounts of data

https://www.w3schools.com/html/default.asp