Listing, Image, Hyperlink, Table

Web application with HTML and CSS

Lesson Objectives

- Listing

- Image

- Hyperlink

- Table

Section 1

LISTING

Listing

➢ **HTML Lists:** Are used to present list of information in well formed and semantic way.

➢ There are three different types of list in HTML and each one has a specific purpose and meaning.

- ▪ **Unordered list** — Used to create a list of related items, in no particular order.

- ▪ **Ordered list** — Used to create a list of related items, in a specific order.

- ▪ **Description list** — Used to create a list of terms and their descriptions.

Unordered list

➢ **Unordered list**

Example	Try this code »

```html
1  <ul>
2      <li>Chocolate Cake</li>
3      <li>Black Forest Cake</li>
4      <li>Pineapple Cake</li>
5  </ul>
```

Output

- Chocolate Cake
- Black Forest Cake
- Pineapple Cake

Order list

➢ **Order list**

Example	Try this code »

```
1   <ol>
2       <li>Fasten your seatbelt</li>
3       <li>Starts the car's engine</li>
4       <li>Look around and go</li>
5   </ol>
```

Output

1. Fasten your seatbelt
2. Starts the car's engine
3. Look around and go

Description list

➤ **Description list**

```
1  <dl>
2      <dt>Bread</dt>
3      <dd>A baked food made of flour.</dd>
4      <dt>Coffee</dt>
5      <dd>A drink made from roasted coffee beans.</dd>
6  </dl>
```

Example   Try this code »

Output

Bread
    A baked food made of flour.
Coffee
    A drink made from roasted coffee beans.

Nesting list

➢ **Nesting list:** List can be nested (lists inside lists):

```
1   <ol>
2     <li>Remove the skin from the garlic, and chop coarsely.</li>
3     <li>Remove all the seeds and stalk from the pepper, and chop coarsely.</li>
4     <li>Add all the ingredients into a food processor.</li>
5     <li>Process all the ingredients into a paste.
6       <ul>
7         <li>If you want a coarse "chunky" hummus, process it for a short time.</li>
8         <li>If you want a smooth hummus, process it for a longer time.</li>
9       </ul>
10    </li>
11  </ol>
```
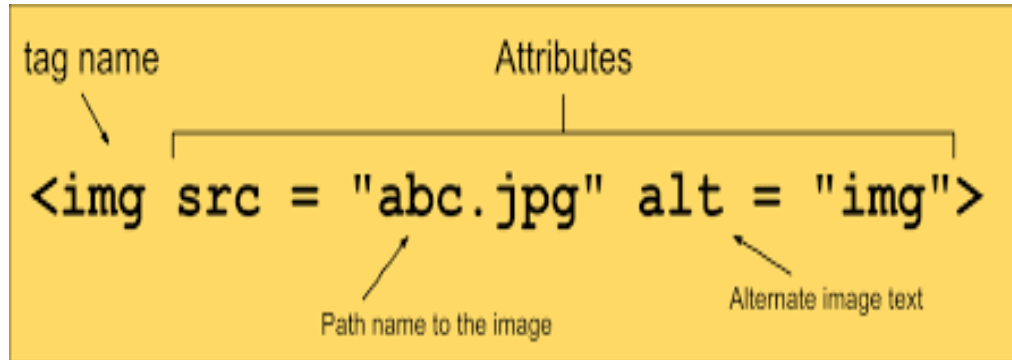
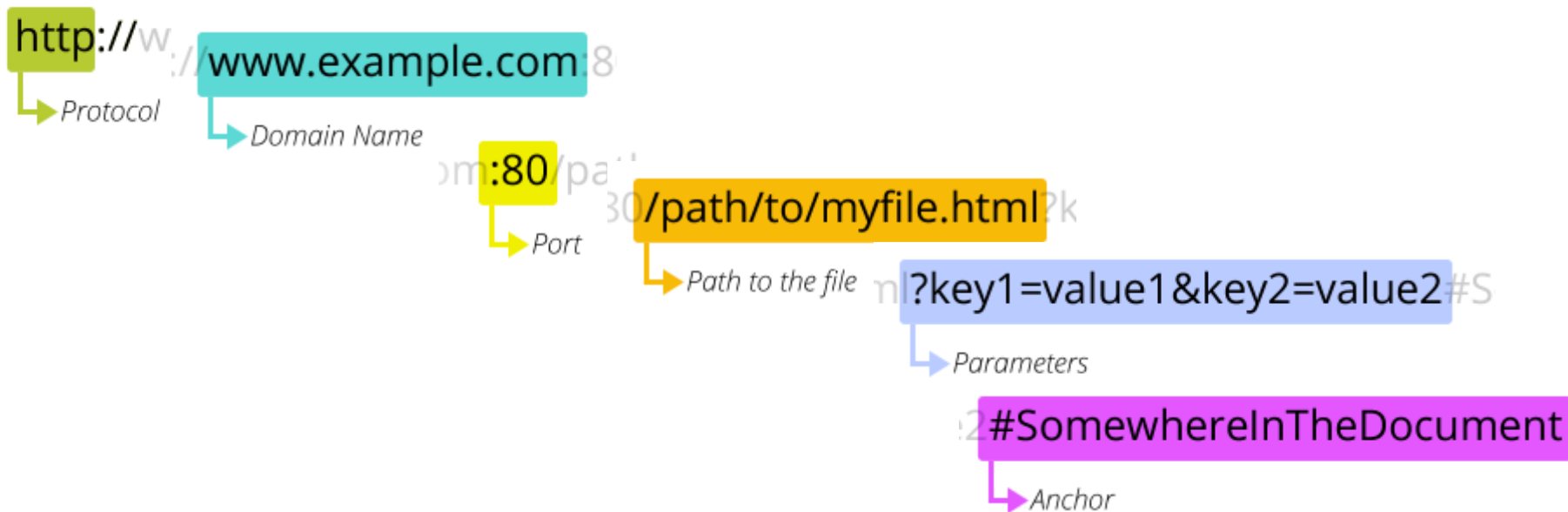Practice

CREATE LIST PRODUCTS

Section 2

IMAGE, HYPERLINK

Image

- ➢ **Image:** *<img>* element used to embed a simple image in a webpage.
- ➢ **Attributes**
  - ▪ *src*: Specifies the URL of an image
  - ▪ *alt:* Specifies an alternate text for an image

URL & Path

➢ **URL (Uniform Resource Locator):** A string of text that defines where something is located on the Web.

➢ **Path**: URLs use paths to find files. Paths specify where in the filesystem the file you need is located.

URL & Path

```
1 │ http://www.example.com:80/path/to/myfile.html?key1=value1&key2=value2#SomewhereInTheDocument
```

http:// → Protocol

www.example.com → Domain Name

:80 → Port

/path/to/myfile.html → Path to the file

?key1=value1&key2=value2 → Parameters
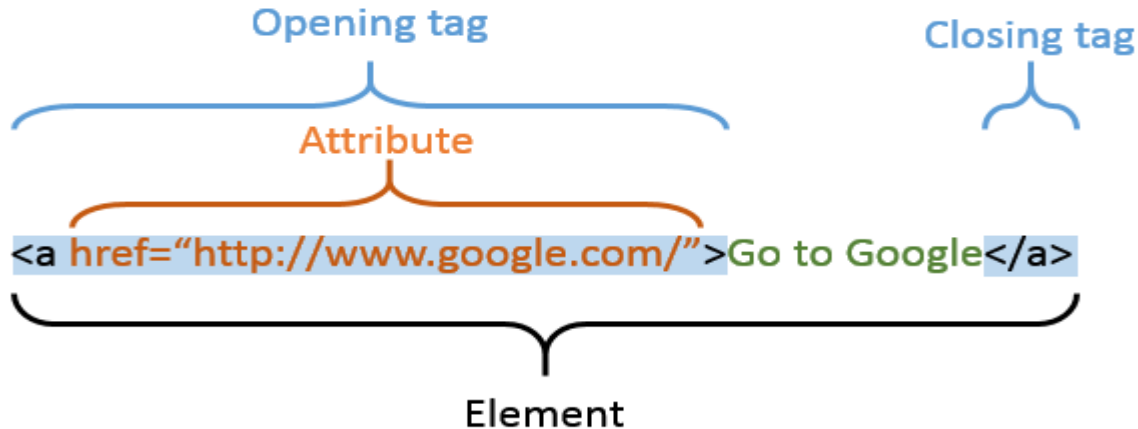
#SomewhereInTheDocument → Anchor

URL & Path

➢ **Absolute URL:** Points to a location defined by its absolute location on the web,
including protocol and domain name.
An absolute URL will always point to the same location, no matter where it is used.

➢ **Relative URL:** Points to a location that is *relative* to the file you are linking from.
A relative URL will point to different places depending on the actual location of the file you refer from

Folder and Subfolders

Hyperlink

➢ The <a> tag defines a hyperlink, which is used to link from one page to another.

Title and Image

➤ **The title attribute:** Specifies extra information about an element. The information is most often shown as a tooltip text when the mouse moves over the element.

➤ **Block level link:** A link can wrap any content, even block level elements, like that

```
1   <a href="https://www.mozilla.org/en-US/">
2     <img src="mozilla-image.png" alt="mozilla logo that links to the mozilla homepage">
3   </a>
```

Link to part of HTML

- ➢ **Link to part of HTML:**
  - ▪ Add an id attribute to your anchor element to give a name to the section of the page.

```html
<a id="anchor-name">The section name here where you want to jump</a>
```
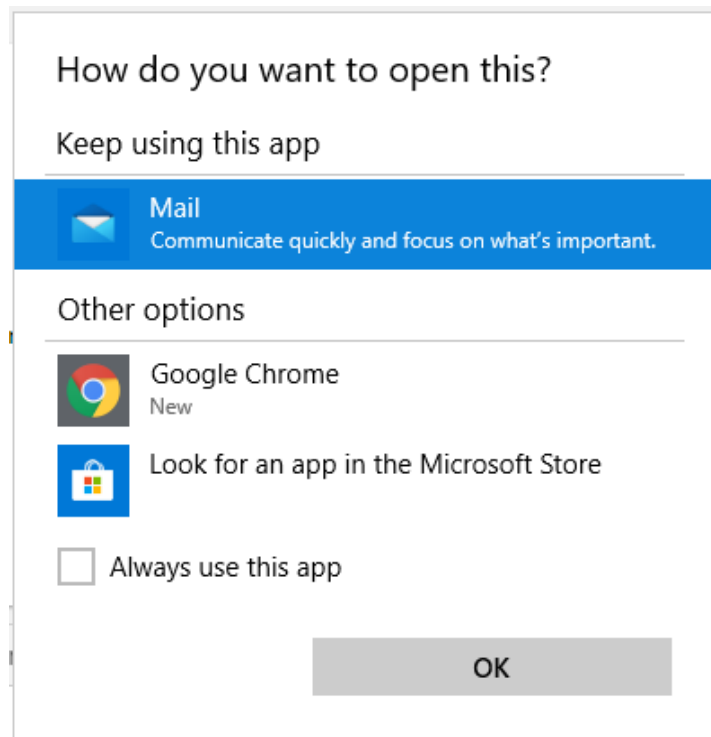
  - ▪ Create a hyperlink using the id of the link target, preceded by #.

```html
<a id="anchor-name">The section name here where you want to jump</a>
```

E-mail links

➢ **Email link:** Open a new outgoing email message instead of linking to a resource or page.

```
1 | <a href="mailto:nowhere@mozilla.org">Send email to nowhere</a>
```

How do you want to open this?

Keep using this app

📧 **Mail**
Communicate quickly and focus on what's important.

Other options

🌐 Google Chrome
New

🏪 Look for an app in the Microsoft Store

☐ Always use this app

OK

E-mail links

➢ **Email link:** Open a new outgoing email message instead of linking to a resource or page.

```
<h1>Tony Stark</h1>
<p>Mechanic at Stark Industry</p>
<p>Mail: <a href="mailto:tony@stark.com">tony@stark.com</a></p>
<p>Phone: <a href="tel:212-970-4133">Dial 212-970-4133 now!</a></p>
```
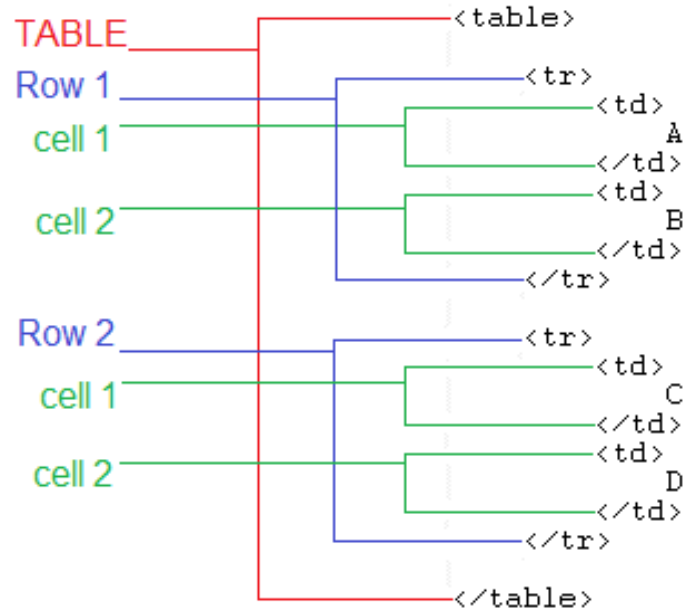
Practice

LINK IN MENU

Section 3

TABLE

➢ **Table:** A structured set of data made up of rows and columns (**tabular data**).
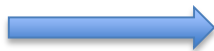
HTML Table

- The <table> tag defines an HTML table.

- Each table row is defined with a <tr> tag.

- Each table header is defined with a <th> tag.

- Each table data/cell is defined with a <td> tag.

- By default, the text in <th> elements are bold and centered.

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

HMTL Table

➤ **Attributes:**

- **Align:** This enumerated attribute indicates how the table must be aligned inside the containing document. It may have the following values: *(letf, center, right)*
- **Bgcolor:** Specifies the background color of the table.
- **Border:** This integer attribute defines, in pixels, the size of the frame surrounding the table. If set to 0, the frame attribute is set to void.

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

Firstname	Lastname
Peter	Griffin
Lois	Griffin

HMTL Table

> **Attributes:**
> - **border-collapse:** Sets whether the table borders should be collapsed into a single border

```
table {
    border-collapse: collapse;
}
```

Firstname	Lastname
Peter	Griffin
Lois	Griffin

> - **padding:** Control the space between the border and the content in a table

Table Caption

```html
<table>
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$50</td>
  </tr>
</table>
```

Monthly savings

Month	Savings
January	$100
February	$50

Cell that Spans Many Columns

```html
<table style="width:100%">
  <tr>
    <th>Name</th>
    <th colspan="2">Telephone</th>
  </tr>
  <tr>
    <td>Bill Gates</td>
    <td>55577854</td>
    <td>55577855</td>
  </tr>
</table>
```

Cell that spans two columns

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

Name	Telephone	
Bill Gates	55577854	55577855

Cell that Spans Many Rows

```html
<table style="width:100%">
  <tr>
    <th>Name:</th>
    <td>Bill Gates</td>
  </tr>
  <tr>
    <th rowspan="2">Telephone:</th>
    <td>55577854</td>
  </tr>
  <tr>
    <td>55577855</td>
  </tr>
</table>
```

Cell that spans two rows

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

Name:	Bill Gates
Telephone:	55577854
	55577855

HTML Table Tags

Tag	Description
<table>	Defines a table
<th>	Defines a header cell in a table
<tr>	Defines a row in a table
<td>	Defines a cell in a table
<caption>	Defines a table caption
<colgroup>	Specifies a group of one or more columns in a table for formatting
<col>	Specifies column properties for each column within a <colgroup> element
<thead>	Groups the header content in a table
<tbody>	Groups the body content in a table
<tfoot>	Groups the footer content in a table

Practice

CREATE TABLE

Create table

Account	Email	GPA	Quizzes				Assignments		Exam
			Quiz 1	Quiz 2	Quiz 3	Quiz 4	Asm 1	Asm 2	
LuongPD2	LuongPD2@fsoft.com.vn	0							
DucLH19	DucLH19@fsoft.com.vn	2.625	17	18	17	18			
HaiTX3 (*)	HaiTX3@fsoft.com.vn	2.55	19	16	18	15			
HaiTD9	HaiTD9@fsoft.com.vn	2.1	16	12	14	14			
KhanhPV6	KhanhPV6@fsoft.com.vn	0							
SonPT35	SonPT35@fsoft.com.vn	2.5125	17	17	17	16			
LuanNK2	LuanNK2@fsoft.com.vn	2.475	20	17	15	14			
TrangVM	TrangVM@fsoft.com.vn	2.5875	17	16	20	16			
SonD2	SonD2@fsoft.com.vn	2.775	20	17	19	18			
HaoLQ	haolq.jackie@gmail.com	2.3625	17	15	16	15			
Nam	teobeo2009@gmail.com	1.65	18		11	15			
Hải Anh		0.6				16			

Lesson Summary

Thank you