

CSCI-1102: Introduction to Computing

HTML: Images, Links, Lists

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HTML Images

- ▶ Images can improve the design and the appearance of a web page.

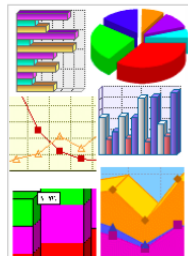
JPG Images



GIF Images



PNG Images



HTML Images Syntax

```
<img src = "pic_trulli.png" alt = "Italian">
```

- ▶ In HTML, images are defined with the `` tag.
- ▶ The `` tag **does not have a pair closing tag**.
- ▶ The `src` attribute specifies the URL (web address) of the image
- ▶ The `alt` attribute specifies an alternate text for an image, if the image cannot be displayed.

HTML Image Size - Width and Height

```
<img src = "pic_trulli.png" alt = "Italian" width = "400" height = "400">
```

- ▶ You can use the **width** and **height** attributes to specify the width and height of an image.
- ▶ The values are specified in **pixels**.

HTML Image in Another Folder

```
<img src = "images/cat.jpg" alt = "cat" width = "300" height = "300">
```

- ▶ If not specified, the browser expects to find the image in the same folder as the web page.
- ▶ However, it is common to store images in a **sub-folder**. You must then include the folder name in the src attribute.

HTML Image in Another Server

```

```

- ▶ Some web sites store their images on **image servers**.
- ▶ Actually, you can access images from any web address in the world.

HTML Animated Images

```

```

- ▶ HTML allows **animated GIFs**.

HTML Links - Hyperlinks

```
<a href = "https://www.google.com/">Google</a>
```

- ▶ HTML links are **hyperlinks**.
- ▶ You can click on a link and jump to another document.
- ▶ In HTML, links are defined with the **<a>** tag.
- ▶ The **href** attribute specifies the destination address of the link.
- ▶ The **link text** is the visible part.

HTML Links - absolute URL

- ▶ Here we use **absolute URL**(a full web address).

```
<a href = "https://www.google.com/">Google</a>
```

- ▶ In HTML, links are defined with the `<a>` tag.
- ▶ The **href** attribute specifies the destination address of the link.
- ▶ The **link text** is the visible part.

HTML Links - Local Links

- ▶ A **local link** (link to the same web site) is specified with a **relative URL** (without https://www....).

```
<a href="test2.html">Animated Images</a>
```

HTML Links - The target Attribute

- ▶ The **target** attribute specifies where to open the linked document:
 - ▶ **_blank** – Opens the linked document in a new window or tab.
 - ▶ **_self** – Opens the linked document in the same window/tab as it was clicked (this is default).

```
<a href = "https://www.google.com/" target="_blank">Google</a>
```

HTML Links - Image as Link

- ▶ It is common to use images as links.

```
<a href = "https://www.google.com/" target="_blank">  
  <img src = "images/cat.jpg" alt = "cat" width = "300" height = "300">  
</a>
```

HTML List

HTML List Example

An Unordered List:

- Item
- Item
- Item
- Item

An Ordered List:

1. First item
2. Second item
3. Third item
4. Fourth item

Unordered HTML List

- ▶ An unordered list starts with the `` tag.
- ▶ Each list item starts with the `` tag.
- ▶ The list items will be marked with **bullets** (small black circles) by default.

• Coffee	17	<code></code>
• Tea	18	<code> Coffee </code>
• Milk	19	<code> Tea </code>
	20	<code> Milk </code>
	21	<code></code>

Unordered HTML List - The Style Attribute

- ▶ The CSS **list-style-type** property is used to define the style of the list item marker:

Value	Description
disc	Sets the list item marker to a bullet (default)
circle	Sets the list item marker to a circle
square	Sets the list item marker to a square
none	The list items will not be marked

Unordered HTML List - list-style-type:disc

• Coffee	17	<code><ul style = "list-style-type:disc"></code>
• Tea	18	<code> Coffee </code>
• Milk	19	<code> Tea </code>
	20	<code> Milk </code>
	21	<code></code>

Unordered HTML List - list-style-type:circle

- Coffee
- Tea
- Milk

```
17 <ul style = "list-style-type:circle">
18   <li> Coffee </li>
19   <li> Tea </li>
20   <li> Milk </li>
21 </ul>
```

Unordered HTML List - list-style-type:square

- Coffee
- Tea
- Milk

```
17 <ul style = "list-style-type:square">
18   <li> Coffee </li>
19   <li> Tea </li>
20   <li> Milk </li>
21 </ul>
```

Unordered HTML List - list-style-type:none

Coffee	17	<code><ul style = "list-style-type:none"></code>
Tea	18	<code> Coffee </code>
Milk	19	<code> Tea </code>
	20	<code> Milk </code>
	21	<code></code>

Ordered HTML List

- ▶ An ordered list starts with the `` tag.
- ▶ Each list item starts with the `` tag.
- ▶ The list items will be marked with **numbers** by default.

1. Coffee	15	<code></code>
2. Tea	16	<code> Coffee </code>
3. Milk	17	<code> Tea </code>
	18	<code> Milk </code>
	19	<code></code>

Ordered HTML List - The Type Attribute

- ▶ The **type** attribute of the `` tag, defines the type of the list item marker:

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

Ordered HTML List - type="1" (Numbers)

1. Coffee
2. Tea
3. Milk

```
15 <ol type = "1">  
16   <li> Coffee </li>  
17   <li> Tea </li>  
18   <li> Milk </li>  
19 </ol>
```

Ordered HTML List - type="A" (Uppercase Letters)

A. Coffee
B. Tea
C. Milk

```
15 <ol type = "A">  
16   <li> Coffee </li>  
17   <li> Tea </li>  
18   <li> Milk </li>  
19 </ol>
```

Ordered HTML List - type="a" (Lowercase Letters)

- a. Coffee
- b. Tea
- c. Milk

```
15 <ol type = "a">  
16   <li> Coffee </li>  
17   <li> Tea </li>  
18   <li> Milk </li>  
19 </ol>
```


Ordered HTML List - type="I" (Uppercase Roman Numbers)

- I. Coffee
- II. Tea
- III. Milk

```
15 <ol type = "I">  
16   <li> Coffee </li>  
17   <li> Tea </li>  
18   <li> Milk </li>  
19 </ol>
```

Ordered HTML List - type="i" (Lowercase Roman Numbers)

- i. Coffee
- ii. Tea
- iii. Milk

```
15 <ol type = "i">  
16   <li> Coffee </li>  
17   <li> Tea </li>  
18   <li> Milk </li>  
19 </ol>
```

Nested HTML List

- Coffee
- Tea
 - Black tea
 - Green tea
- Milk

```
14
15 <ul>
16   <li>Coffee</li>
17   <li>Tea</li>
18     <ul>
19       <li>Black tea</li>
20       <li>Green tea</li>
21     </ul>
22   <li>Milk</li>
23 </ul>
24
```

Reference

`https://www.w3schools.com/`