OIM3690 - Web Technologies

Working with Images

Types of Image Files

- Images typically are one of the following types:
    - *.jpg* or *.jpeg* (Joint Photographic Expert Group image)
    - *.png* (Portable Network Graphics)
    - *.svg* (Scalable Vector Graphics)
    - *.gif* (Graphics Interchange Format)
    - *.webp* (Web Picture format)
- Avoid using these image files
    - *.bmp* (Bitmap)

HTML `<img>` Tag

- Syntax

```
<img src="URL" alt="some text" title="some text" />
```

- **Attributes** for a HTML tag

  - `src`, `alt`, and `title` are attributes

  - The text you provide for each attribute is the attribute's value.

  - The value is always in straight quotes.

  - The attribute-value pair is separated by a blank space.

`src` Attribute

```
<img src="URL" … />
```

- URL can be a local file
  - Example: `<img src="picture.jpg" alt="picture of me"/>`
  - This image file, `picture.jpg`, must be in the same folder as the webpage file that is displaying it
- URL can be an external file
  - Example:
```
<img src="https://upload.wikimedia.org/wikipedia/commons/2/27/Stephen_Curry_Shooting_%28cropped%29.jpg"
alt="Steph Curry"/>
```

Size Attributes

```
<img src="URL" alt="some text" title="some text" width="300" height="200" />
```

- `width` and `height` are in *pixels*
- If one is provided, the other is adjusted based on the proportion of the original image.
- Example:
  - If the original image is 2" by 3", the proportion is 2/3 or 3/2. So, if width is specified as `"200"`, height is automatically computed as `"300"`.

Providing Credit for Images

- If image is not your own, you should give credit to its source/owner.

- Credit may be provided

  - on page where image is used

  - on a separate "credits" page with link from page where image is used

- Examples

  Photo courtesy of [photographer's or company's name, linking to their website or email address as appropriate]

  Credit: [photographer's or company's name, linking to their website or email address as appropriate]`

Exercise: extending *ex01.html*

- Add an image to the file just above the first paragraph.

- Add an external link to the bottom, at the very end, by finding an image related to your hobby.

- Save the file and test it.

- If all is well, make a copy of the file and rename this copy as *index.html*.

Why *index.html*?

- When you visit a website, the first page opens automatically, without you having to specify the name of the page.

- This **home page** is called the **index page**
  - it is the one that is indexed and saved by search engines.

- If we name a page *index.html/index.htm*, it will always be the page that opens first.
  - Other names include *default.html/default.htm*, *home.html/home.htm*, but we will always use *index.html*.