

# 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

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- **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

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- URL can be a local file
  - Example: ``
  - 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:

```

```

# Size Attributes

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- `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 an image is not your own, you should give credit to its source/owner. Examples:
  - "Photo courtesy of *<photographer's or company's name with appropriate link>*"
  - "Credit: *<photographer's or company's name with appropriate link>*"
- You can find high-quality free images without worrying about copyright infringement from
  - [Unsplash](#)
  - [Pixabay](#)
  - [Pexels](#)
- Be sure to check the user agreement or terms of service of any website before using their images.

## 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 having to specify the name of that page.
- This **home page** is also known as the **index page**
  - It is indexed and saved by search engines.
  - The common convention for naming the index page is "index.html", but it can also be named "default.html" or "home.html".
  - We will always use "index.html".

