

# MIS3690 - 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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- The first time we see **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 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]

## In-Class exercise: extending *ex01.html*

- Add an image to the file just above the first paragraph and below the contact information.
- 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*.

