

Write your name below and indicate your role,

Project Manager (PM), Recorder (R)

Name _____ Role _____

Name _____ Role _____

Media

Your Tasks

- ☐ Reference media
- ☐ Implement the *img* tag
- ☐ Have Ms. Pluska check off the above tasks
- ☐ Implement the *video* tag
- ☐ Receive credit for the group portion of this lab

☐ Reference media

So far, you've structured your content using paragraphs, headings, and lists. In this lesson you will how to add images and videos to make your content more interesting.

The images and videos you include with your page are separate files and will need to be referenced correctly to be displayed.

Images and videos are referenced using `src` attribute - short for source. This tells the tag the location of the image or video to load.

Consider the following file structure. *Media* is the name of the folder. And, inside the folder we have a file called *Index.html* and an image called *Frog.jpg*. The following code could be used to reference the *Frog.jpg* image from the *Index.html* page.

Media	
Index.html Frog.jpg	<code>src = "Frog.jpg"</code>

Now consider an example where the *Frog.jpg* we are trying to reference is stored in a directory that is different than *Index.html*. In the file structure below, we have created a directory called *Images* inside the *Media* folder and placed the *Frog.jpg* image inside of it. The following code could be used to reference the *Frog.jpg* image from the *Index.html* page.

Media	
Index.html	
Images	
Frog.jpg	<code>src = "Images/Frog.jpg"</code>

Now consider the situation below. *Media* and *Images* are both separate directories in the *MyWebsite* directory. Inside the *Media* directory we have an *Index.html* page and inside the *Images* directory we have our image *Frog.jpg* we want to reference. To do this, we must

first “backout” of the *Media* directory, then enter the Images directory. The “.” syntax is used to backout of a directory.

MyWebsite		src = “../Images/Frog.jpg”
Media	Images	
Index.html	Frog.jpg	

Write code that could be used to reference the Cat.png image from the Index.html page

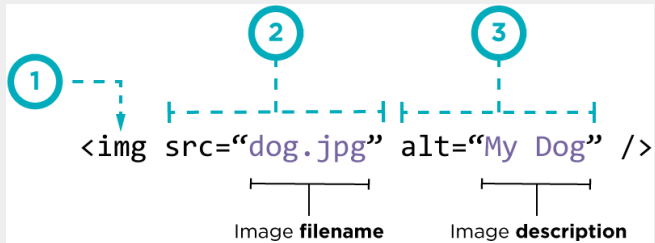

File Structure	Code									
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□ Implement the *img* tag

The *img* tag allows you to add images to your page. An like the *br* tag, the *img* tag doesn't require a closing tag. All of the information needed to display your image is contained within the tag itself.

To tell the browser the location and name of the file to use, you need to use the *src* attribute. The *src* attribute is added to the image tag inside the brackets. An additional attribute, called *alt*, provides backup text in case your image doesn't download properly or for visually impaired users.

How the *img* tag can be used to display an image on your webpage is illustrated below,

Media	
Index.html dog.jpg	 <pre></pre> <p>Image filename Image description</p>
<ol style="list-style-type: none"> 1. Creates an image tag using the abbreviation <i>img</i>. This is considered a self closing tag, since it doesn't need to wrap text as many other tags do. The /right before the ending > is optional, but helps remind us that this tag doesn't need a closing tag. 2. The <i>src</i> attribute is short for source. This tells the tag which image to load. In this case, the page will look for an image with the filename dog.jpg in the same directory as the page. Image file names include extensions that tell the computer which type of image they are working with. Common extensions are .jpg, .jpeg, .gif, .png. Make sure to put quotation marks around your image filename. 3. The <i>alt</i> attribute is short for alternative text. While you won't see this text on your web page, it provides a backup in case your image doesn't download properly or for visually impaired users. In this example, if your browser failed to load the image you would see  	

Write code that could be used to display the image on the Index.html page. Be sure to also include the *alt* attribute to indicate the alternative text.

File Structure	Code
<div> <div>MyWebsite</div> <div>Index.html Cat.png</div> </div>	
<div> <div>MyWebsite</div> <div>Index.html</div> <div>Media</div> <div> <div>Images Videos</div> <div>Cat.png Dog.mp4</div> </div> </div>	

MyWebsite	
AboutMe	Media
Index.html	
	Images
	Cat.png

□ Have Ms. Pluska check off the above tasks



Before you continue have Ms. Pluska check off the above tasks

Do not continue until you have Ms. Pluska's (or her designated TA's) signature _____

□ Implement the *video* tag

The *video* tag allows you to add videos to your webpage. The video tag includes several attributes which allow you to customize how your video displays. These are described below.

Media	
Index.html movie.mp4	<pre><video width="320" height="240" controls> <source src="movie.mp4" type="video/mp4"> <source src="movie.egg" type="video/ogg"> Your browser does not support the video tag. </video></pre>
	<ol style="list-style-type: none"> 1. The video tag is needed to tell the browser to load a video. Notice the video tag also requires a closing tag. 2. width and height are attributes define the size of the video. 3. Controls attribute adds controls like, play, stop, pause. If the word <i>controls</i> is replaced with <i>autoplay</i>, the video will play automatically when the page loads. 4. The <code><source></code> element allows you to specify alternative video files which the browser may choose from. The browser will use the first recognized format. 5. The <code>src</code> attribute indicates the location and name of the video file to be played. 6. The <code>type</code> attribute is the type of video format.

Write code that could be used to display the video on the Index.html page. For each video, indicate the controls attribute.

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❑ Receive Credit for the group portion of this lab



- Indicate the names of all group members.
- Have Ms. Pluska check your formatting text
- Submit your lab to the needs to be graded folder to receive credit for the group portion of this lab.
- Do not submit your lab until you have Ms. Pluska's (or her designated TA's) signature
