Front End Development

Images, Audio & Video

What you will learn today?

Images in Webpage

Audio & Video in Webpage

HTML Tables

Sample(Several) Exercises

HTML – Images

- The <img> Element

    Images are added to a site using the <img> element, which must carry at least two attributes: the src attribute, indicating the source of the image, and an alt attribute, which provides a description of the image.
Lets see an example..

- The <alt> Element

    The alt attribute should appear on every <img> element and its value should be a text description of the image. Often referred to as alt text, the value of this attribute should describe the image because of the following:
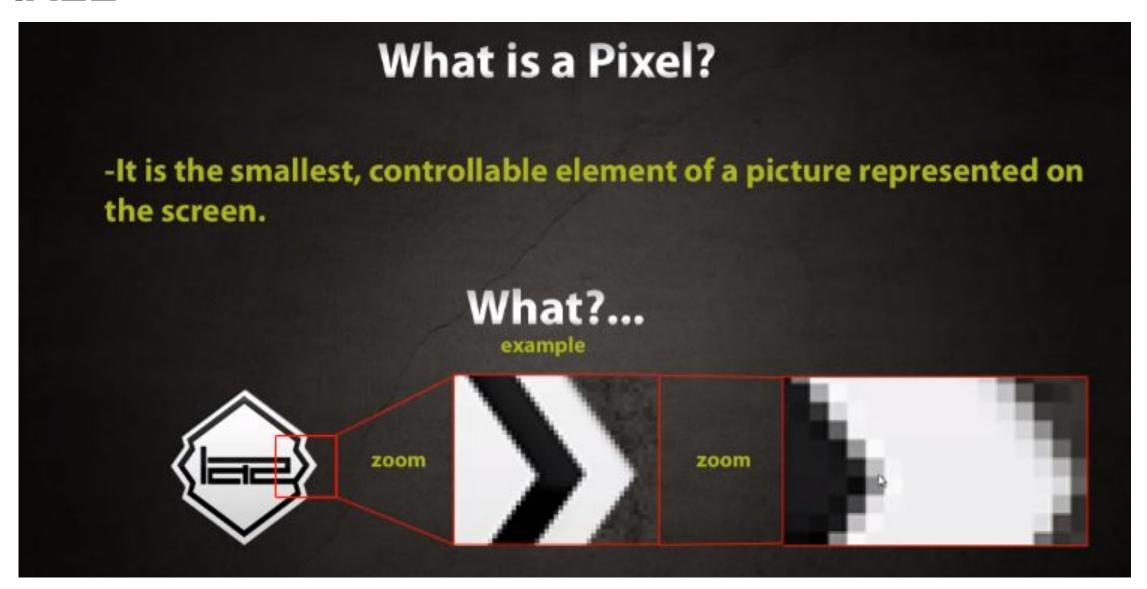
❏ If the browser cannot display the image, this text alternative is shown instead.
❏ Web users with visual impairments often use software called a screen reader to read a page to them, in which case the alt text describes the image they cannot see.
❏ Although search engines are clever, they cannot yet describe or index the contents of an image therefore, providing a text alternative helps search engines index your pages and helps visitors find your site.
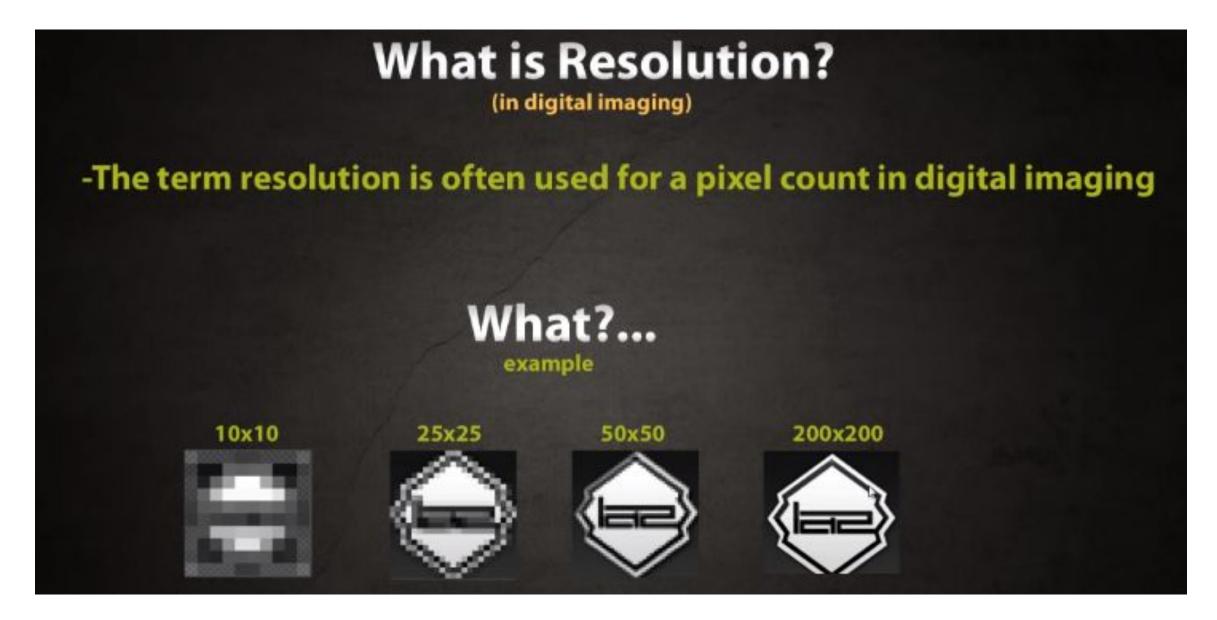
HTML – Images(Height & Width)

■ Height & Width Attributes

       The height and width attributes specify the height and width of the image, and the values for these attributes are almost always shown in pixel. Specifying the size of the image is considered good practice, so you should try to use these attributes on any image that you put on your pages. It also helps a page to load faster and more smoothly because the browser knows how much space to allocate to the image, and it can correctly render the rest of the page while the image is still loading.

PIXEL

RESOLUTION

HTML – Images(Contd..)

▪ Using Image as Link

It's easy to turn an image into a link. Rather than putting text between the opening <a> tag and the closing tag (as you saw in the previous examples), you simply place an image inside these tags. Images are often used to create graphical buttons or links to other pages.

▪ Different Picture Formats

➤ **GIF:** Graphics Interchange Format (pronounced either "gif" or "jif")

➤ **JPEG:** Joint Photographic Experts Group (pronounced "jay-peg")

➤ **PNG:** Portable Network Graphics (pronounced "pee-en-gee" or "ping")

*Sample Exercise – 1

HTML – Flash, Audio & Video

- Adding YouTube Movies to your webpage

  By far, the most common way to host and share video is with Google's YouTube service. Whether you upload your own content or want to share content from another YouTube user, the method to embed the video is the same. YouTube has made it easy for users to embed the YouTube Player on their pages. This is done simply by copying and pasting a line of code from the YouTube site into any web page

- The <video> Element

  <video> is designed to work just like the <img> element you learned about earlier today. The most basic usage is a <video> element with src, height, and width attributes

  Autoplay loop muted

HTML – Flash, Audio & Video

■ Poster Attribute

The poster attribute defines an image used as a placeholder until the video plays. If there is no poster attribute defined, the first frame of the video is used as the poster

■ The <audio> Element

The <audio> element works the same way as the <video> element. An <audio> element and an src attribute are enough to get audio onto your pages.
Autoplay loop muted

*Sample Exercise – 1

Summary

Images in Webpage

Audio & Video in Webpage

HTML Tables

Sample(Several) Exercises