

HTML Images and Objects

HTML Images

The Tag

The tag is used to embed images in an HTML document. This tag is self-closing and requires at least one attribute to specify the image source.

Attributes of the Tag:

- src (source): This attribute specifies the path to the image file. It can be a relative path, an absolute path, or a URL.
- alt (alternative text): This provides alternative text for the image if it cannot be displayed. It's also used by screen readers for accessibility.
- width and height: These attributes define the dimensions of the image in pixels.
- title: This attribute provides additional information about the image, usually displayed as a tooltip.
- loading: This attribute specifies the loading behavior of the image. The values can be lazy (loads the image when it is near the viewport) or eager (loads the image immediately).

Example:

```
<!DOCTYPE html>
<html>
<head>
  <title>Image Example</title>
</head>
<body>
  <h1>Welcome to My Website</h1>
  
</body>
</html>
```

HTML Objects

The <object> Tag

The <object> tag is a versatile tag used to embed various types of external resources, such as images, videos, audio files, PDFs, and even other HTML documents. This tag can also be used to embed Flash objects, though Flash is largely obsolete today.

Attributes of the <object> Tag:

- data: This attribute specifies the URL of the resource to be embedded.
- type: This attribute defines the MIME type of the resource being embedded.
- width and height: These attributes specify the dimensions of the embedded resource.
- name: This attribute assigns a name to the embedded object.
- form: This attribute specifies one or more forms the object belongs to.
- usemap: This attribute specifies the name of an image map to be used with the object.

Example:

```
<!DOCTYPE html>
<html>
<head>
  <title>Object Example</title>
</head>
<body>
  <h1>Embed PDF Example</h1>
  <object data="files/document.pdf" type="application/pdf" width="600" height="800">
    <p>Your browser does not support PDFs. <a href="files/document.pdf">Download the
PDF</a>.</p>
  </object>
</body>
</html>
```

Fallback Content

The <object> tag can include fallback content, which is displayed if the browser cannot display the embedded object. This can be an error message or a link to download the file.

Example with Fallback:

```
<!DOCTYPE html>
<html>
<head>
  <title>Object Fallback Example</title>
</head>
<body>
  <h1>Embed Video Example</h1>
  <object data="videos/movie.mp4" type="video/mp4" width="600" height="400">
    <p>Your browser does not support HTML5 video. Here is a <a
href="videos/movie.mp4">link to the video</a> instead.</p>
  </object>
</body>
```

</html>